

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
 Data File : VN058780.D
 Acq On : 15 Oct 2019 14:26
 Operator : JC/SP
 Sample : VN1015WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:42:40 AM

Quant Time: Oct 16 05:03:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	391961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	640808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	288506	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
35) Dibromofluoromethane	7.57	113	208444	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	10.08	98	797412	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.40	95	293472	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	100820	20.653	ug/l	99
3) Chloromethane	2.04	50	119772	20.633	ug/l	98
4) Vinyl Chloride	2.17	62	120363	20.819	ug/l	99
5) Bromomethane	2.55	94	75813	21.556	ug/l	100
6) Chloroethane	2.69	64	76280	21.390	ug/l	99
7) Trichlorofluoromethane	3.00	101	141386	20.434	ug/l	99
8) Diethyl Ether	3.39	74	52433	20.509	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82837	20.997	ug/l	97
10) Methyl Iodide	3.93	142	104699	19.447	ug/l	98
11) Tert butyl alcohol	4.75	59	93845	105.599	ug/l	99
12) 1,1-Dichloroethene	3.72	96	79611	21.149	ug/l	93
13) Acrolein	3.59	56	55508	77.663	ug/l	99
14) Allyl chloride	4.30	41	154798	20.378	ug/l	99
15) Acrylonitrile	4.96	53	247228	110.313	ug/l	99
16) Acetone	3.79	43	244447	107.603	ug/l	100
17) Carbon Disulfide	4.03	76	240113	19.955	ug/l	99
18) Methyl Acetate	4.30	43	126730	21.992	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	284949	21.199	ug/l	98
20) Methylene Chloride	4.53	84	94793	19.965	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	86119	20.453	ug/l	99
22) Diisopropyl ether	5.93	45	311121	21.064	ug/l	97
23) Vinyl Acetate	5.87	43	1337629	112.236	ug/l	100
24) 1,1-Dichloroethane	5.82	63	180827	21.496	ug/l	99
25) 2-Butanone	6.81	43	352401	107.322	ug/l	98
26) 2,2-Dichloropropane	6.80	77	153321	19.967	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	100853	20.540	ug/l	99
28) Bromochloromethane	7.18	49	60204	20.572	ug/l	99
29) Tetrahydrofuran	7.19	42	230577	108.663	ug/l	100
30) Chloroform	7.35	83	175663	20.785	ug/l	98
31) Cyclohexane	7.63	56	158713	19.719	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	154898	21.491	ug/l	99
36) 1,1-Dichloropropene	7.77	75	129921	20.053	ug/l	99
37) Ethyl Acetate	6.91	43	145443	22.197	ug/l	97
38) Carbon Tetrachloride	7.76	117	132811	21.033	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	145299	19.326	ug/l	97
40) Benzene	8.02	78	384467	20.662	ug/l	100
41) Methacrylonitrile	7.16	41	55675m	18.152	ug/l	
42) 1,2-Dichloroethane	8.11	62	151571	21.202	ug/l	99
43) Isopropyl Acetate	8.15	43	228602	20.480	ug/l #	92
44) Trichloroethene	8.82	130	93489	20.232	ug/l	98
45) 1,2-Dichloropropane	9.11	63	105474	21.174	ug/l	99
46) Dibromomethane	9.20	93	66631	21.098	ug/l	98
47) Bromodichloromethane	9.39	83	137374	21.361	ug/l	98
48) Methyl methacrylate	9.19	41	103171	20.390	ug/l	98
49) 1,4-Dioxane	9.19	88	32732	418.152	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	720070	114.863	ug/l	99
52) Toluene	10.15	92	237222	20.844	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	150591	20.416	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	163649	20.896	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93816	20.140	ug/l	98
56) Ethyl methacrylate	10.43	69	139193	20.454	ug/l	98
57) 1,3-Dichloropropane	10.71	76	166641	20.994	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	339155	103.416	ug/l	100
59) 2-Hexanone	10.75	43	529953	109.389	ug/l	99
60) Dibromochloromethane	10.90	129	101745	21.174	ug/l	100
61) 1,2-Dibromoethane	11.00	107	96268	20.629	ug/l	100
64) Tetrachloroethene	10.63	164	83620	20.342	ug/l	98
65) Chlorobenzene	11.43	112	244632	20.508	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91990	20.855	ug/l	99
67) Ethyl Benzene	11.51	91	439904	20.688	ug/l	99
68) m/p-Xylenes	11.62	106	325698	40.815	ug/l	98
69) o-Xylene	11.95	106	156159	20.226	ug/l	100
70) Styrene	11.97	104	253402	20.025	ug/l	98
71) Bromoform	12.13	173	68074	21.055	ug/l #	99
73) Isopropylbenzene	12.25	105	427699	21.277	ug/l	100
74) N-amyl acetate	12.07	43	194342	21.526	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	143454	21.663	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	135773m	22.298	ug/l	
77) Bromobenzene	12.53	156	103487	21.166	ug/l	98
78) n-propylbenzene	12.59	91	501778	21.422	ug/l	99
79) 2-Chlorotoluene	12.68	91	301559	20.742	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	361728	21.078	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	46429	20.425	ug/l	97
82) 4-Chlorotoluene	12.78	91	307483	20.611	ug/l	99
83) tert-Butylbenzene	13.00	119	306536	20.850	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	360682	21.171	ug/l	100
85) sec-Butylbenzene	13.17	105	413725	21.357	ug/l	100
86) p-Isopropyltoluene	13.29	119	367897	20.896	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	182083	20.193	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	177200	19.329	ug/l	98
89) n-Butylbenzene	13.62	91	321786	19.766	ug/l	99
90) Hexachloroethane	13.88	117	67549	21.442	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	179939	20.475	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	31819	20.568	ug/l	93

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QLast Update : Sat Oct 12 00:00:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	98287	18.334	ug/l	99
94) Hexachlorobutadiene	15.01	225	54955	19.466	ug/l	99
95) Naphthalene	15.13	128	284698	18.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	98556	18.830	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

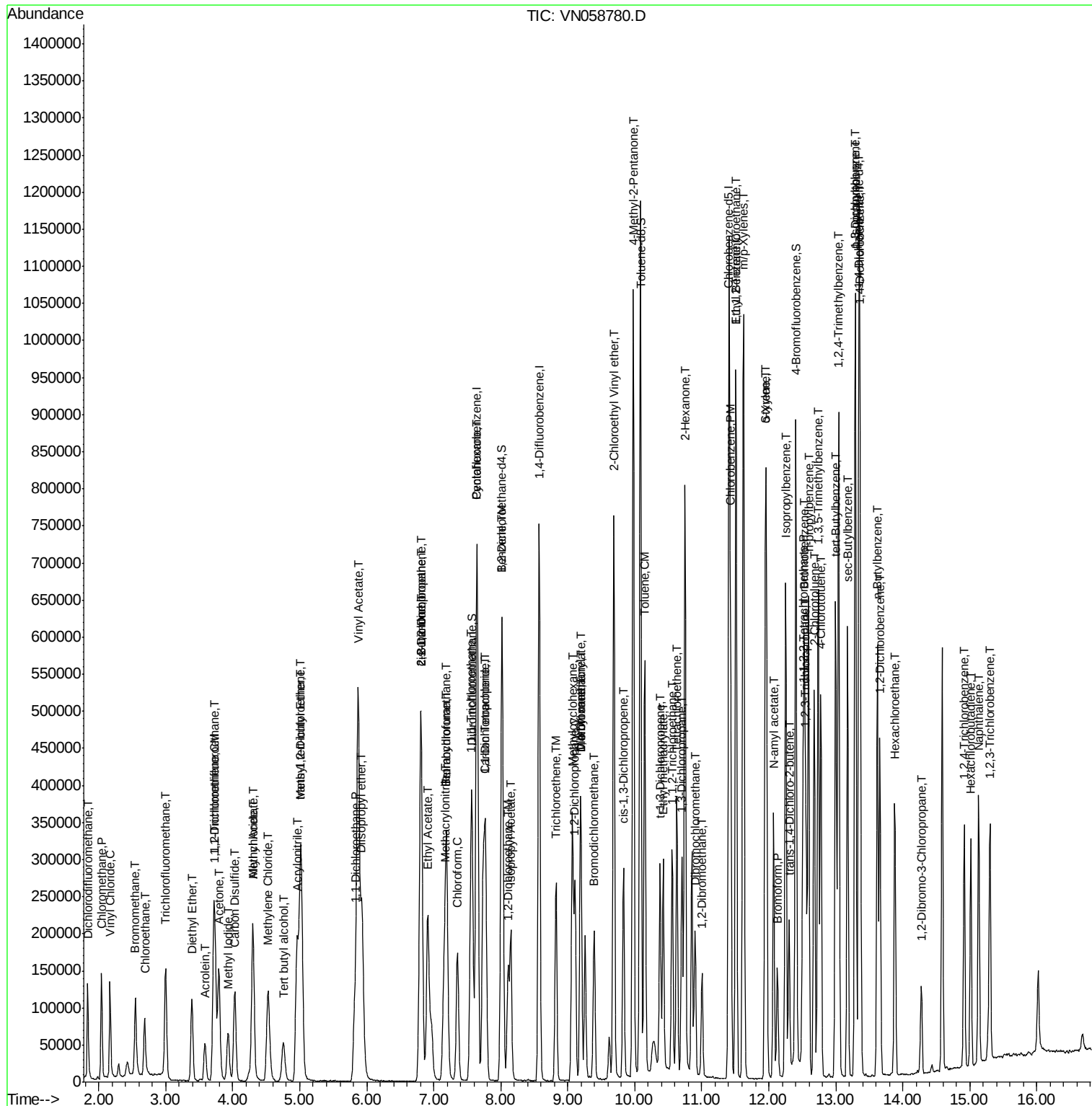
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
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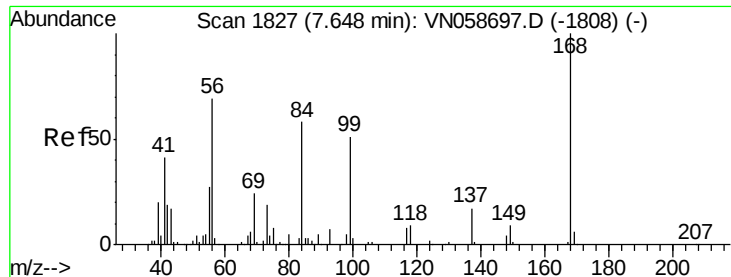
Instrument :
 MSVOA_N
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion:168 Resp: 391961

Ion Ratio Lower Upper

168 100

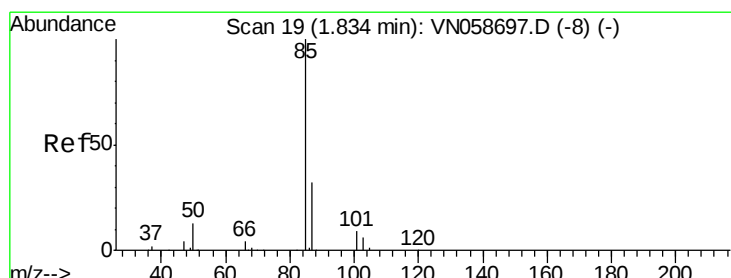
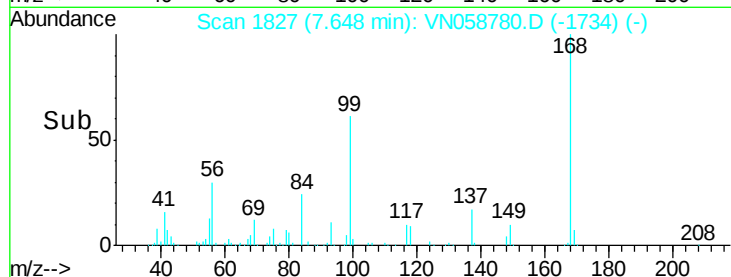
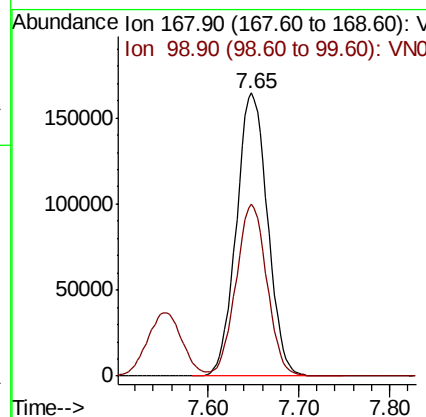
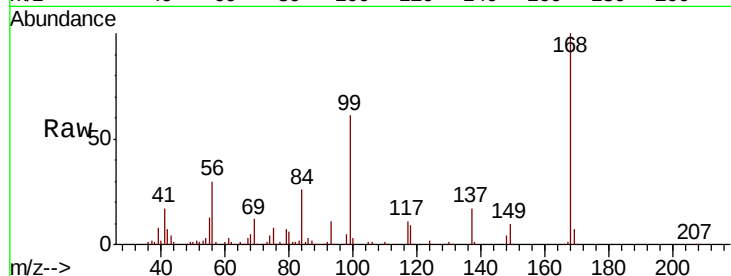
99 60.4 47.5 71.3

Manual Integrations

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10/18/2019 12:42:40 AM



#2

Dichlorodifluoromethane

Concen: 20.653 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058780.D

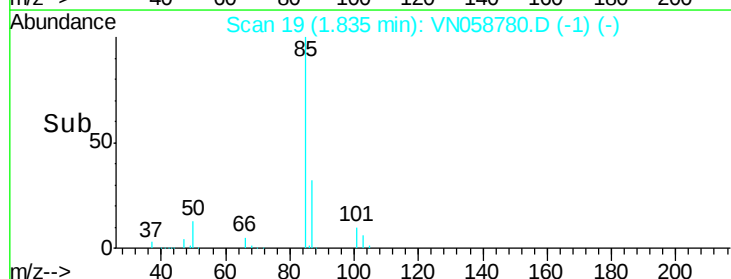
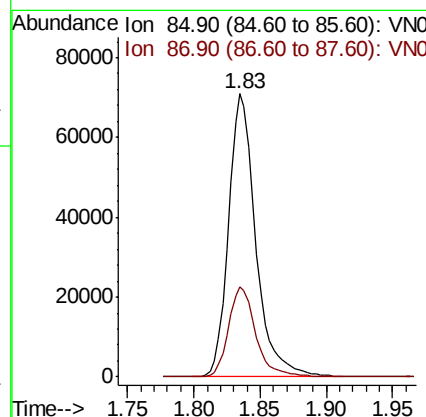
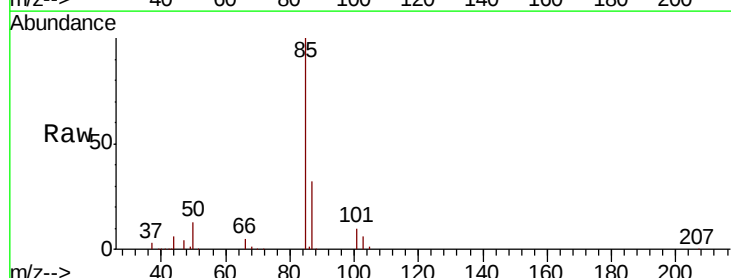
Acq: 15 Oct 2019 14:26

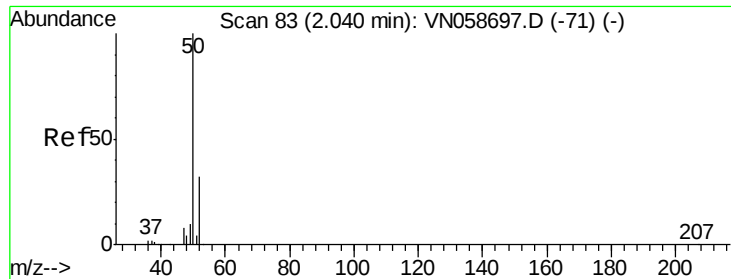
Tgt Ion: 85 Resp: 100820

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.6





#3

Chloromethane

Concen: 20.633 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion: 50 Resp: 119772

Ion Ratio Lower Upper

50 100

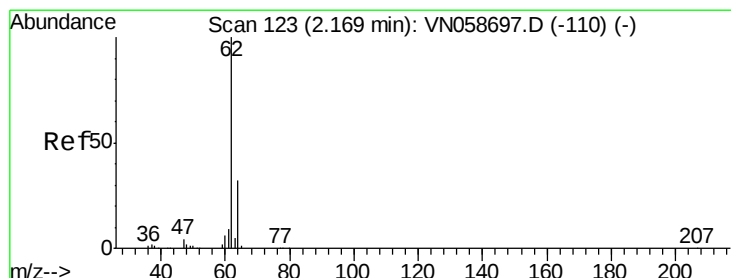
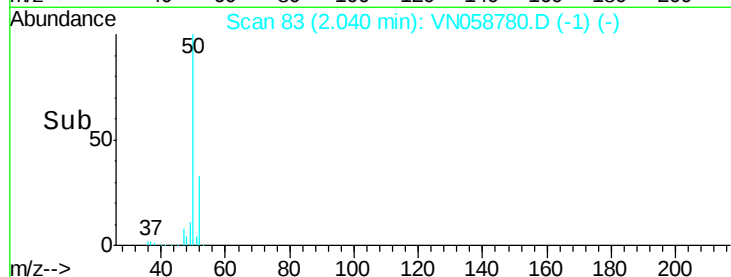
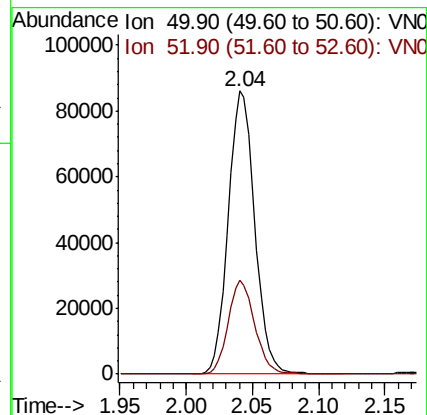
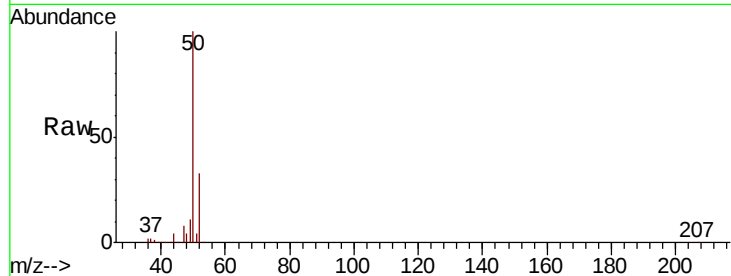
52 33.3 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.819 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058780.D

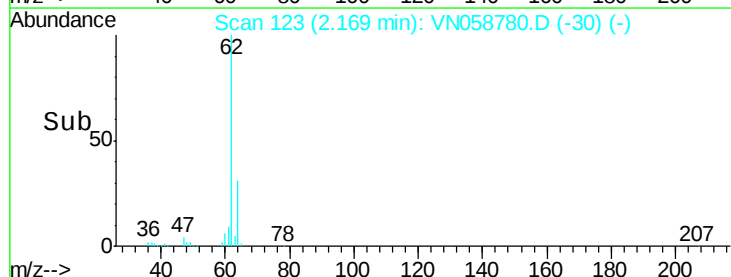
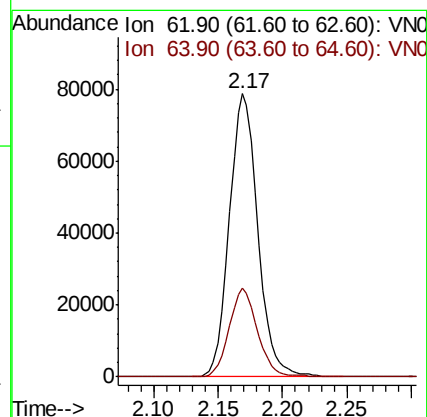
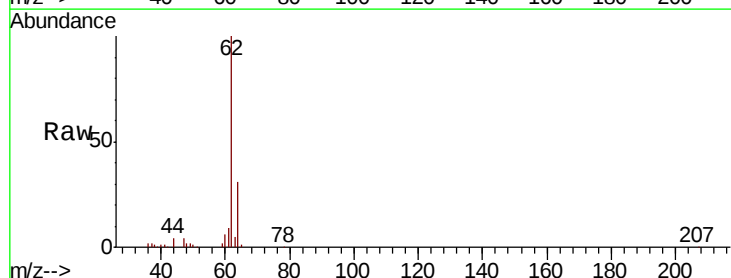
Acq: 15 Oct 2019 14:26

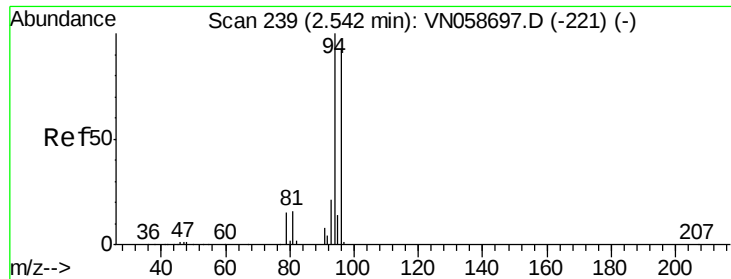
Tgt Ion: 62 Resp: 120363

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 21.556 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

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ClientSampleId :

VN1015WBSD01

Tot Ion: 94 Resp: 75813

Ion Ratio Lower Upper

94 100

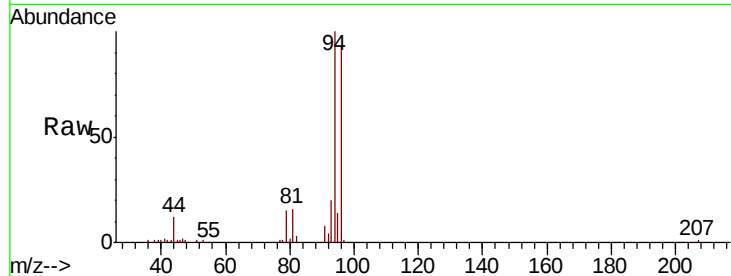
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Manual Integrations

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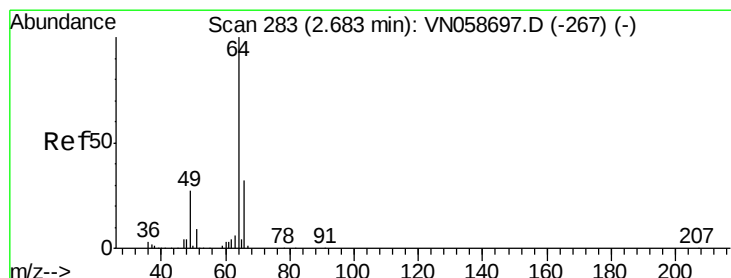
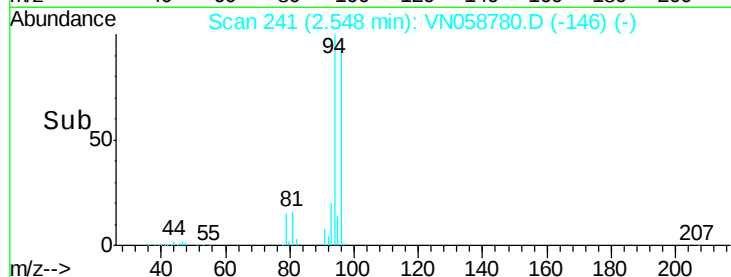
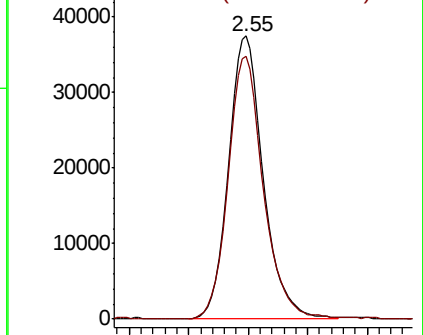
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 21.390 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058780.D

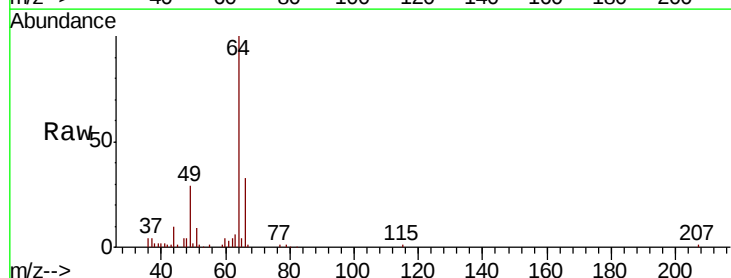
Acq: 15 Oct 2019 14:26

Tgt Ion: 64 Resp: 76280

Ion Ratio Lower Upper

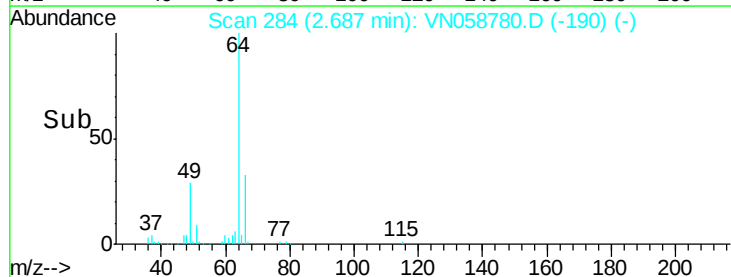
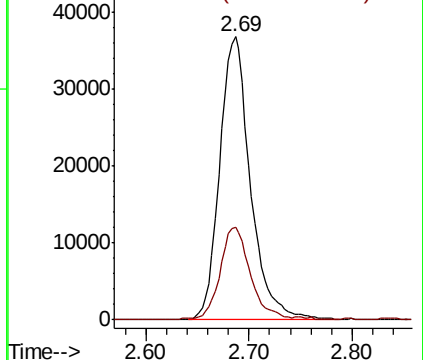
64 100

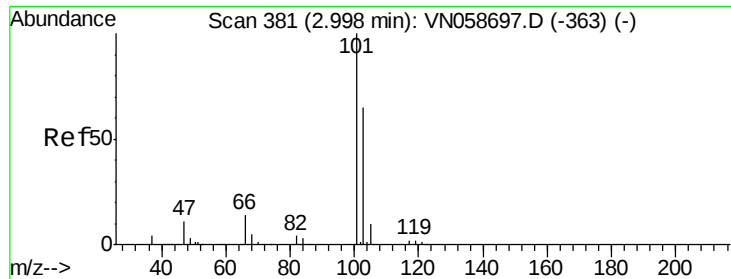
66 32.6 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

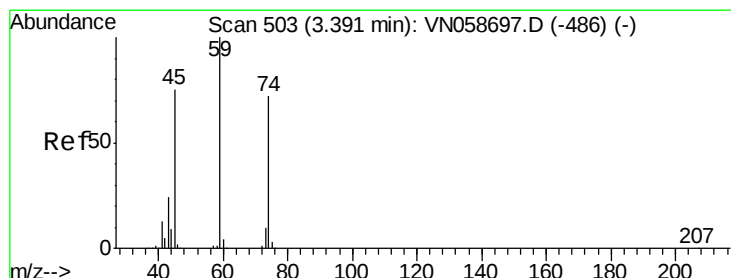
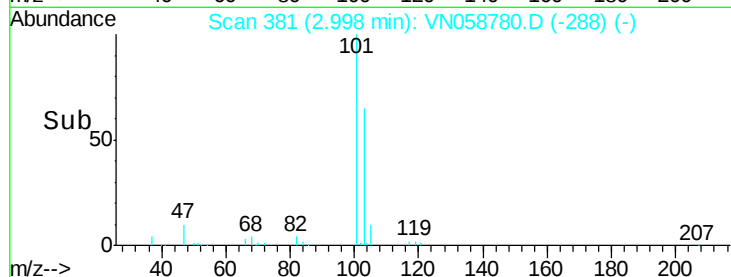
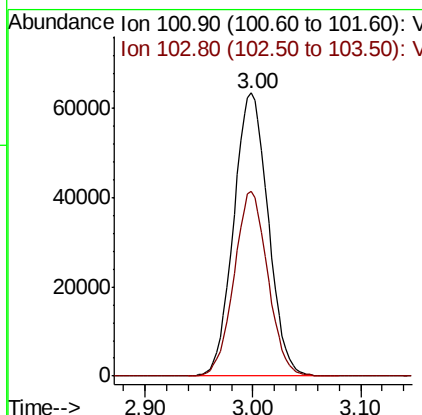
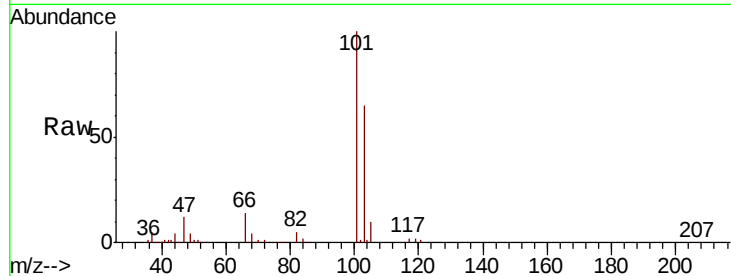
Trichlorofluoromethane
 Concen: 20.434 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.6

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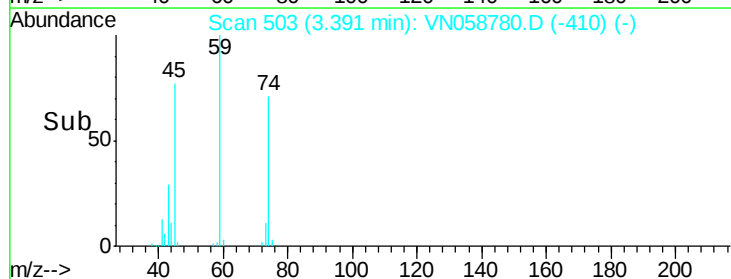
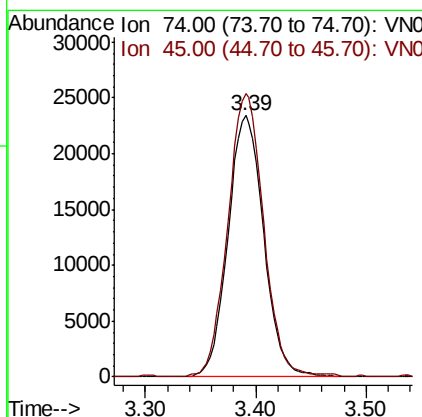
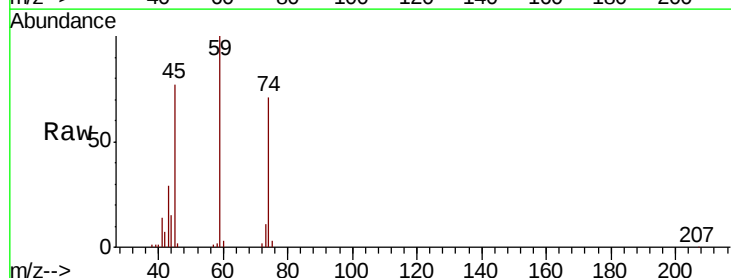
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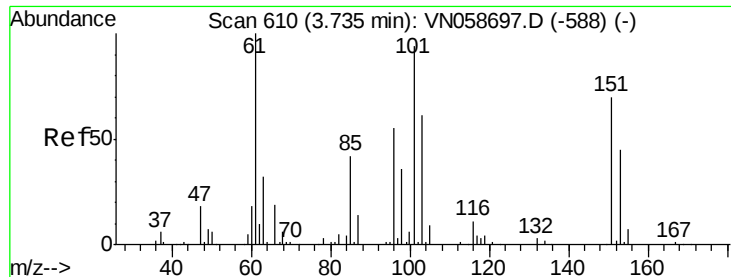


#8

Diethyl Ether
 Concen: 20.509 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.8	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.997 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

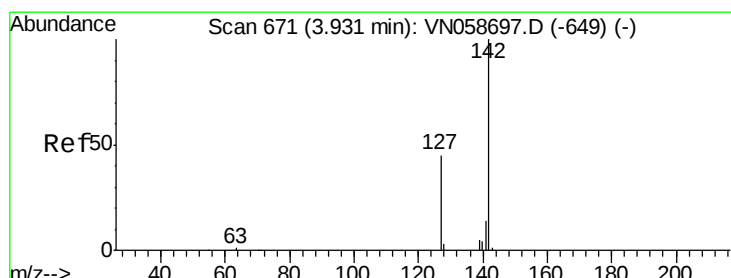
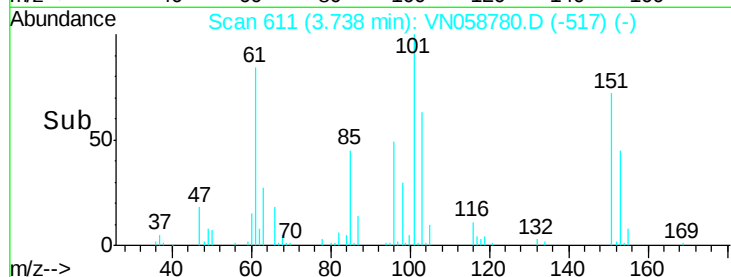
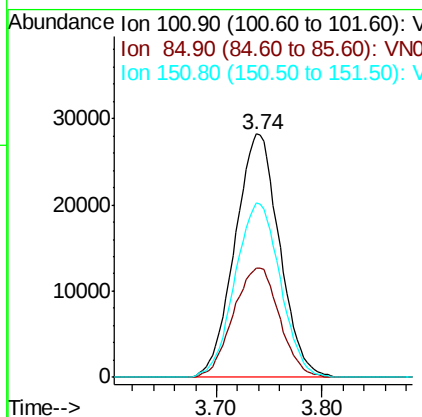
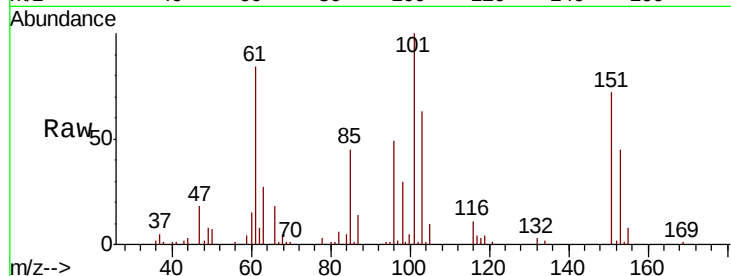
ClientSampleId :

VN1015WBSD01

Tot Ion:	101	Resp:	82837
Ion Ratio	Lower	Upper	
101	100		
85	46.6	37.0	55.6
151	72.8	61.8	92.6

Manual Integrations
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MMDadoda
10/18/2019 12:42:40 AM



#10

Methyl Iodide

Concen: 19.447 ug/l

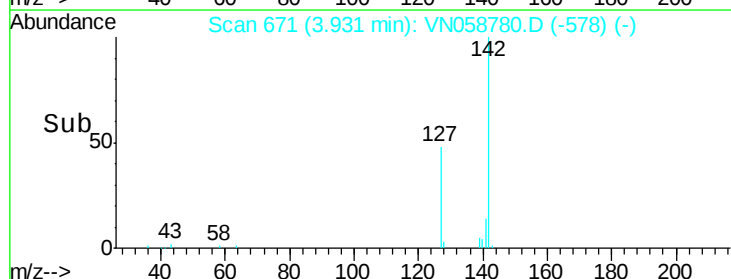
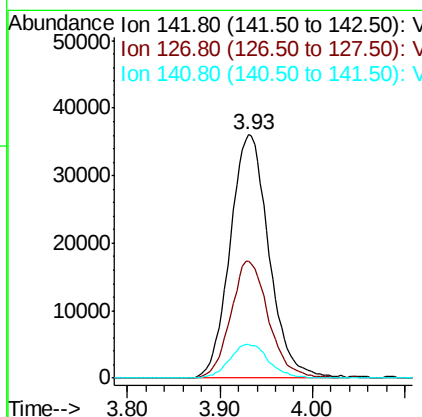
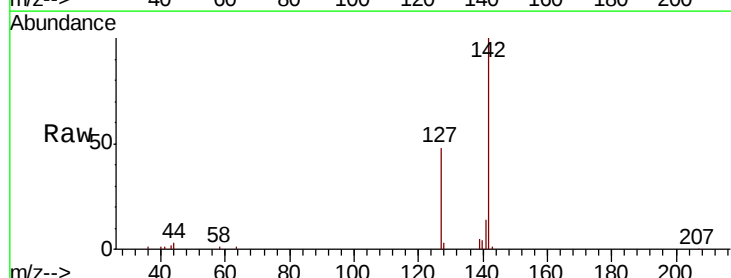
RT: 3.93 min Scan# 671

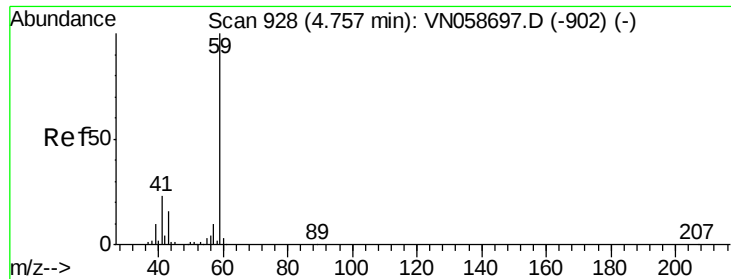
Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Tgt Ion:	142	Resp:	104699
Ion Ratio	Lower	Upper	
142	100		
127	46.8	36.4	54.6
141	14.0	11.1	16.7





#11

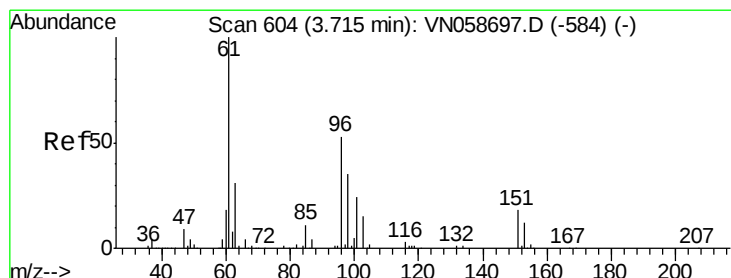
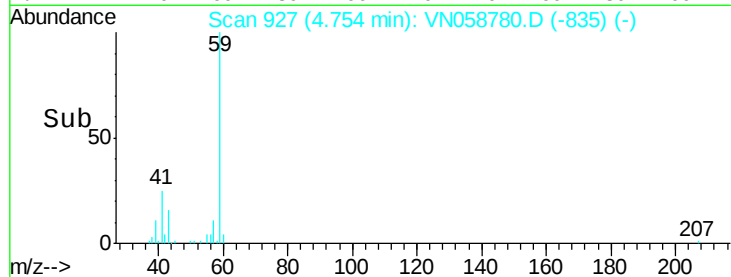
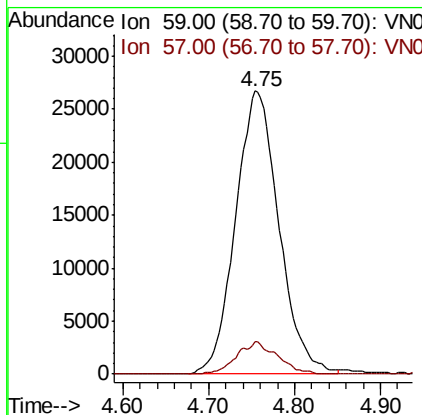
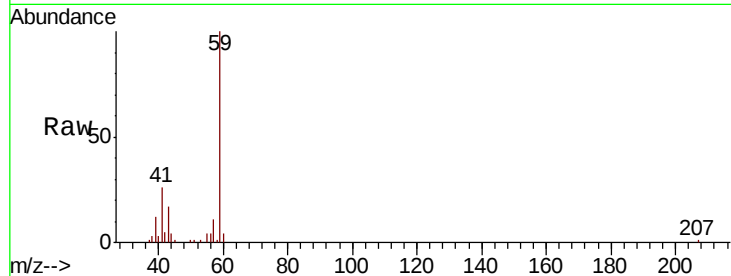
Tert butyl alcohol
 Concen: 105.599 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tot Ion	59	Resp	93845
Ion Ratio	100	Lower	Upper
57	10.7	8.4	12.6

Manual Integrations
 APPROVED

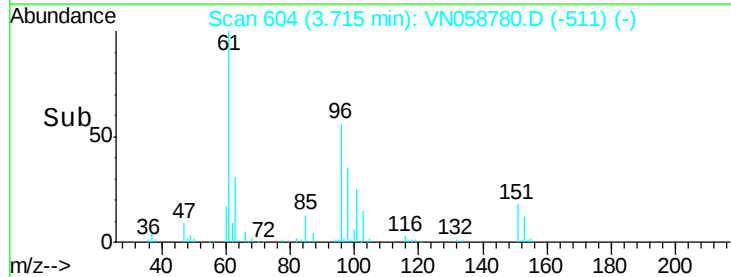
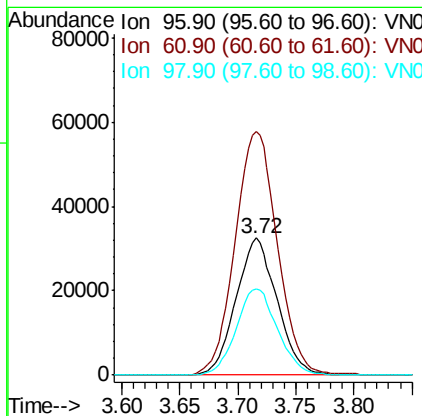
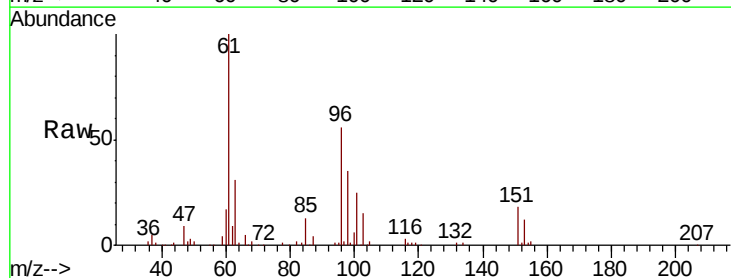
MMDadoda
 10/18/2019 12:42:40 AM

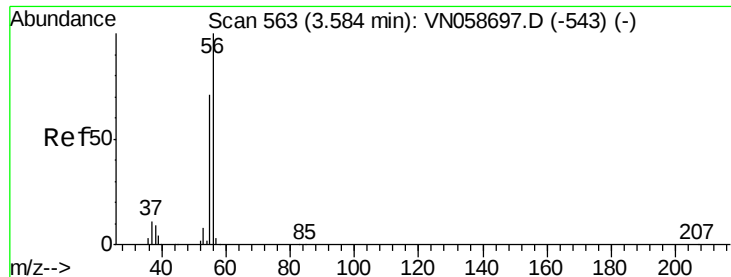


#12

1,1-Dichloroethene
 Concen: 21.149 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion	96	Resp	79611
Ion Ratio	100	Lower	Upper
61	177.8	151.3	226.9
98	63.0	52.6	78.8





#13

Acrolein

Concen: 77.663 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion: 56 Resp: 55508

Ion Ratio Lower Upper

56 100

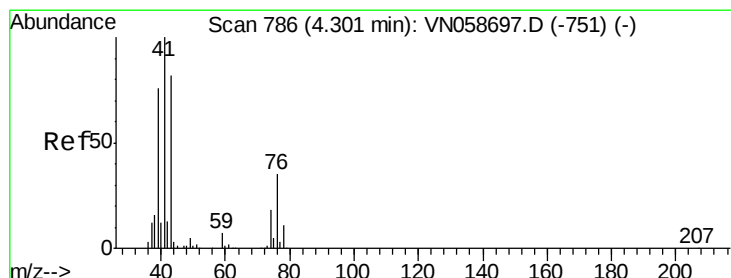
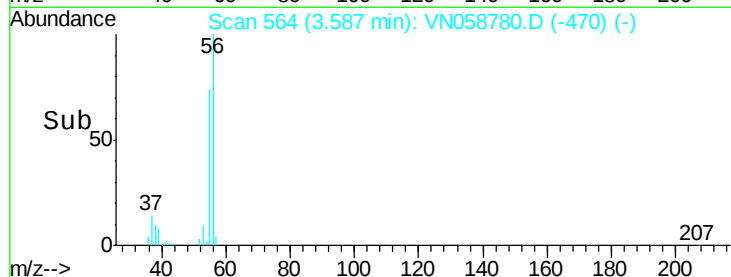
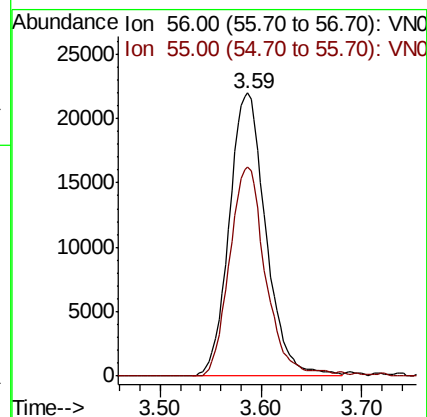
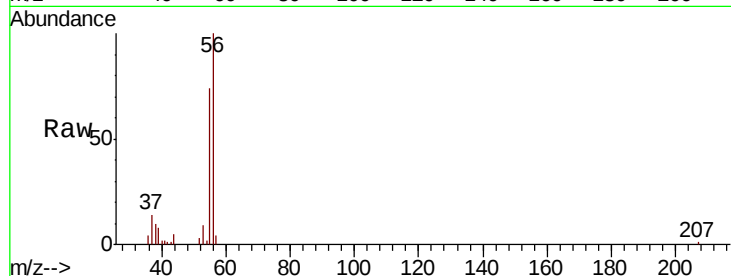
55 71.6 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:42:40 AM



#14

Allyl chloride

Concen: 20.378 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

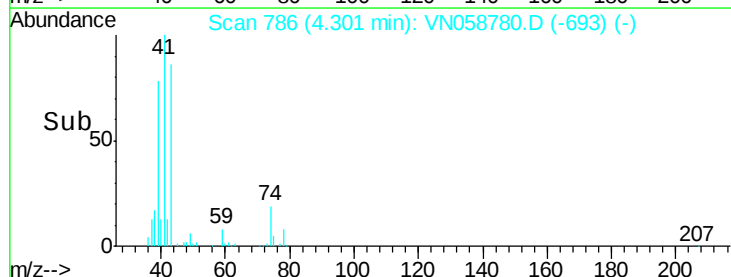
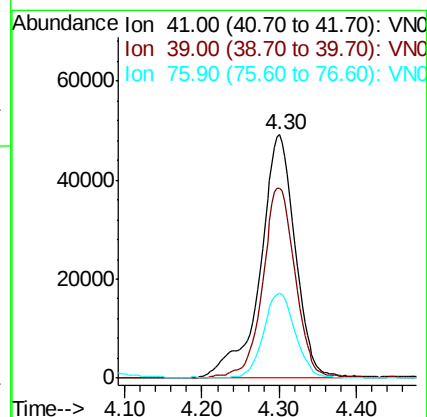
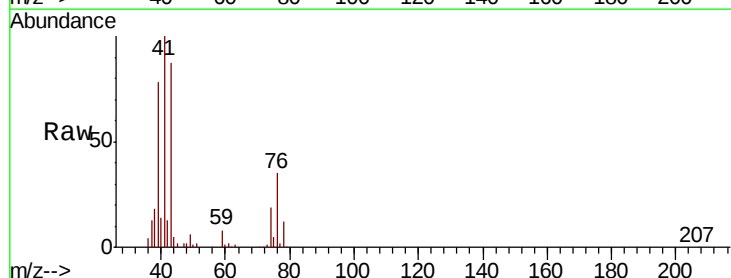
Tgt Ion: 41 Resp: 154798

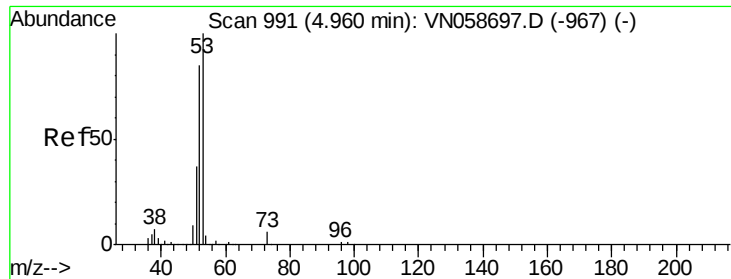
Ion Ratio Lower Upper

41 100

39 72.3 57.2 85.8

76 31.8 25.0 37.6





#15

Acrylonitrile

Concen: 110.313 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

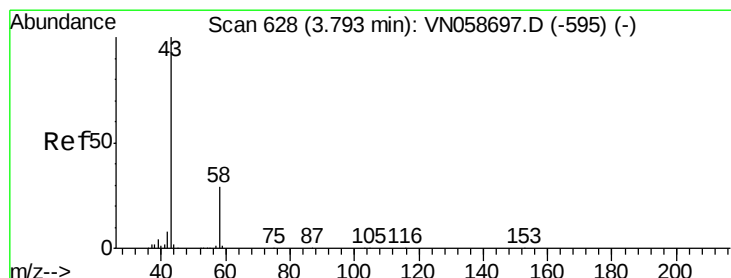
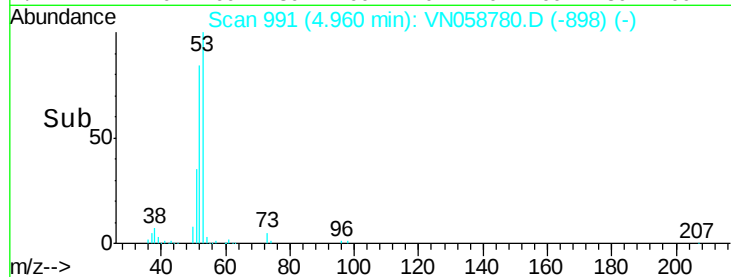
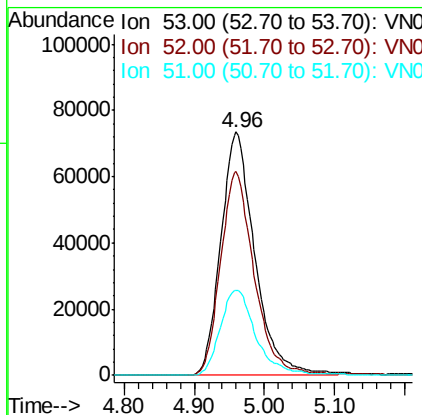
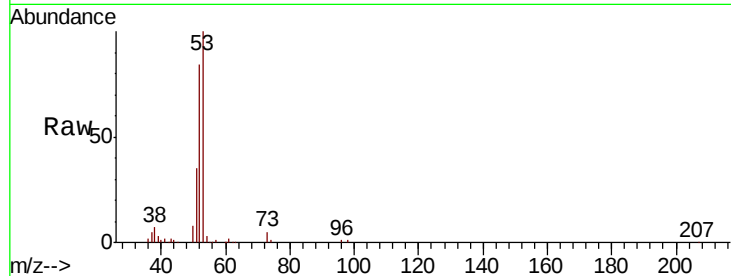
ClientSampleId :

VN1015WBSD01

Tot Ion:	53	Resp:	247228
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.2	99.2
51	36.7	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:42:40 AM



#16

Acetone

Concen: 107.603 ug/l

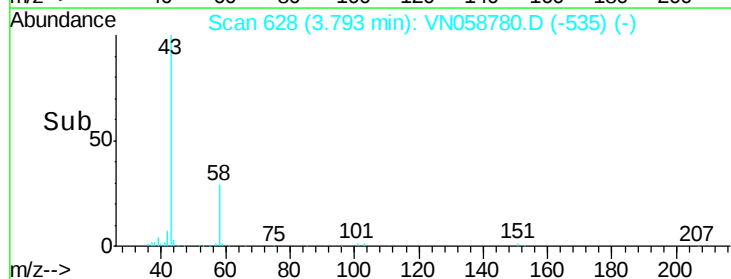
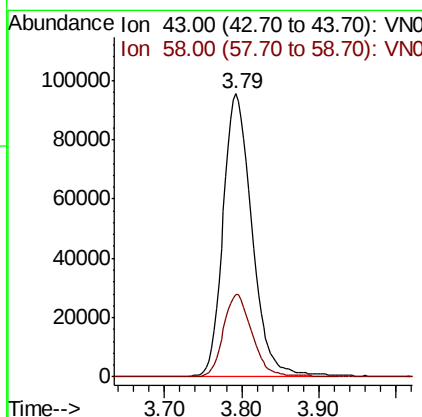
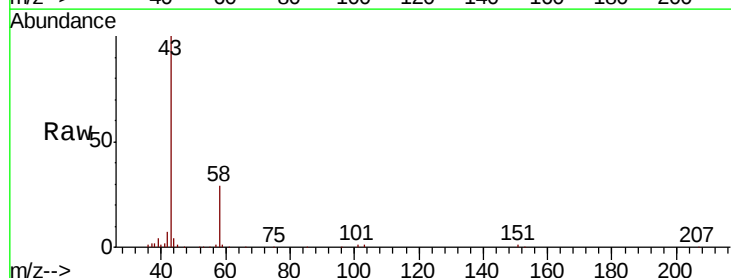
RT: 3.79 min Scan# 628

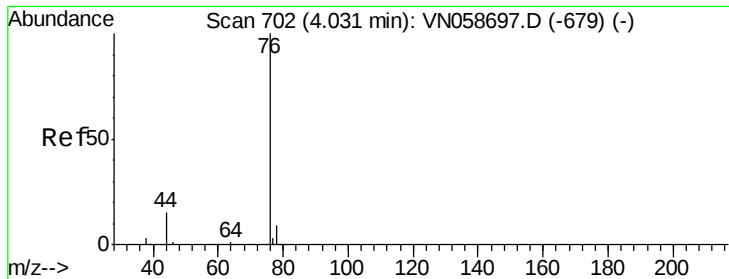
Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Tgt Ion:	43	Resp:	244447
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.3	34.9





#17

Carbon Disulfide

Concen: 19.955 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion: 76 Resp: 240113

Ion Ratio Lower Upper

76 100

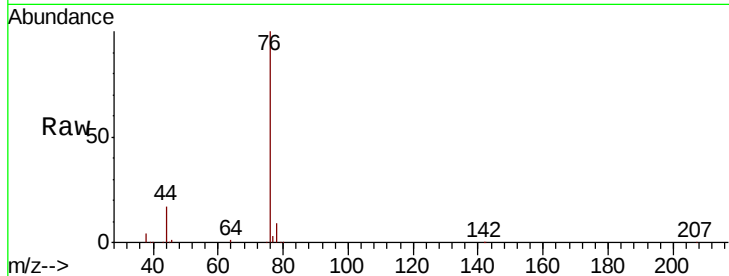
78 9.2 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:42:40 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

100000

80000

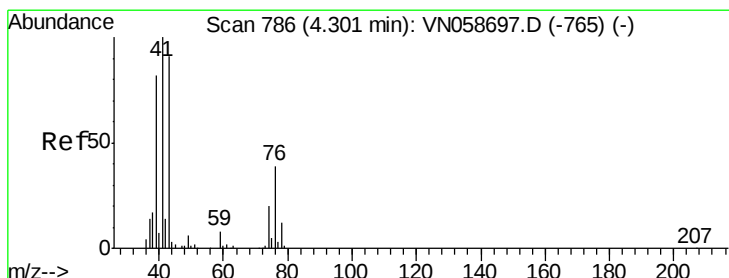
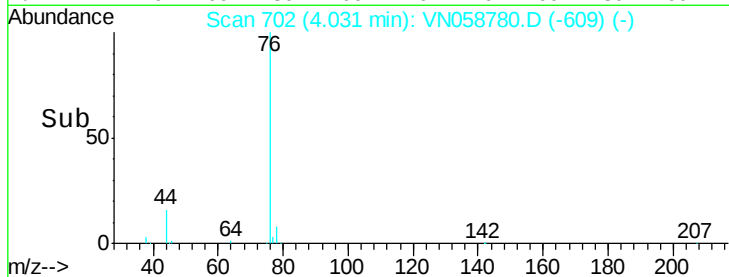
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.992 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058780.D

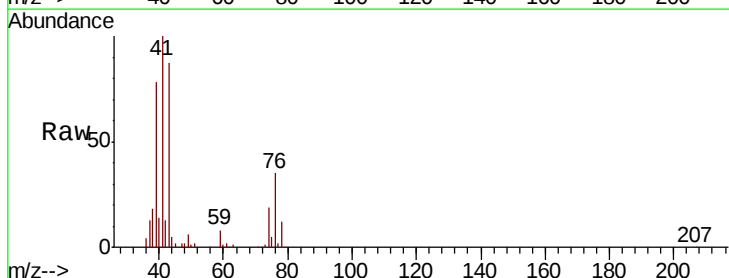
Acq: 15 Oct 2019 14:26

Tgt Ion: 43 Resp: 126730

Ion Ratio Lower Upper

43 100

74 21.6 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.30

50000

40000

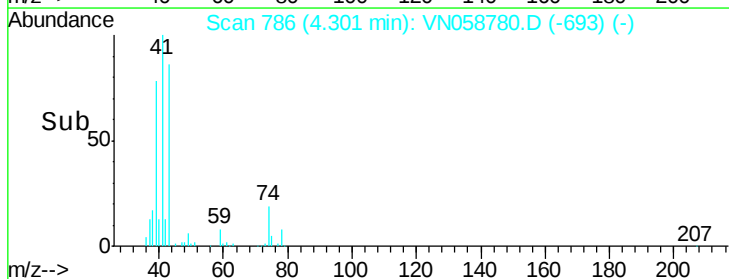
30000

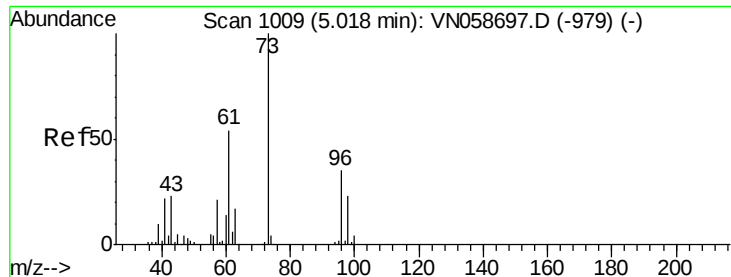
20000

10000

0

Time-->





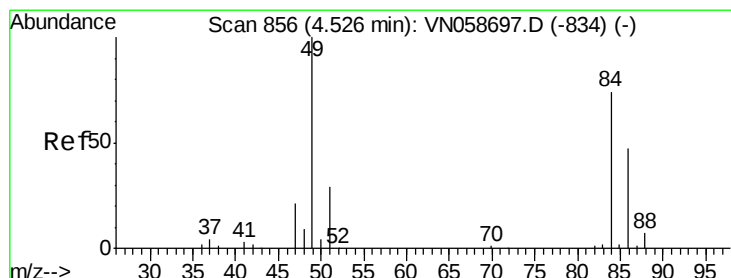
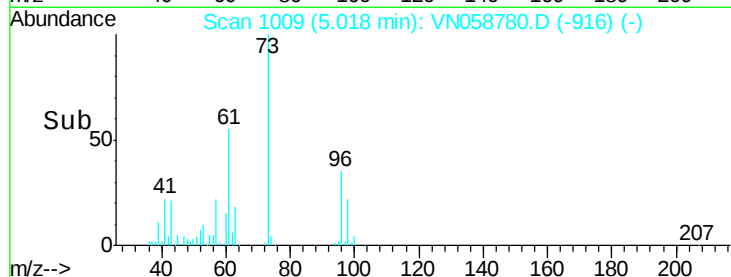
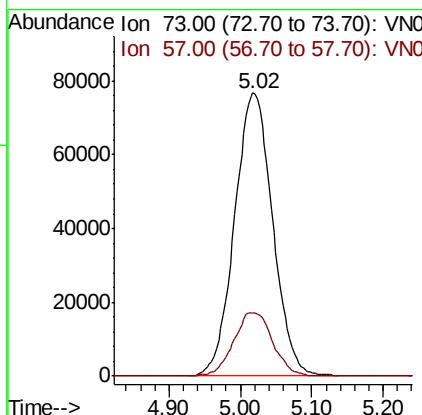
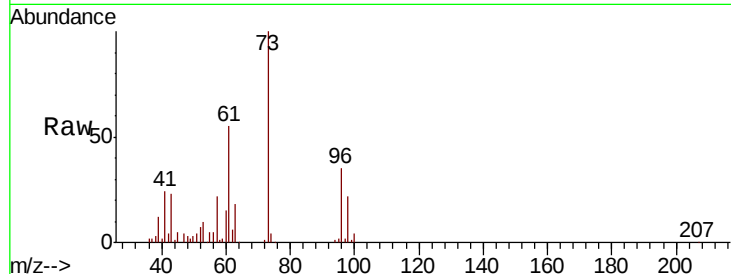
#19
Methvl tert-butvl Ether
Concen: 21.199 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion: 73 Resp: 284949
Ion Ratio Lower Upper
73 100
57 22.4 17.0 25.6

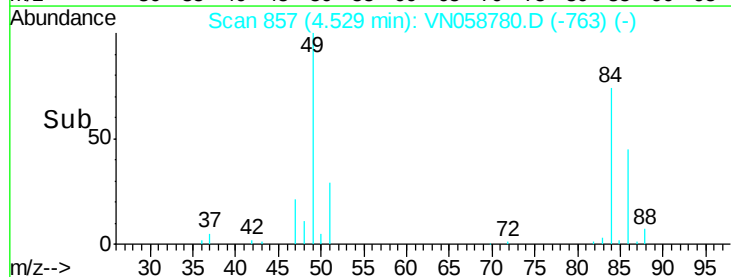
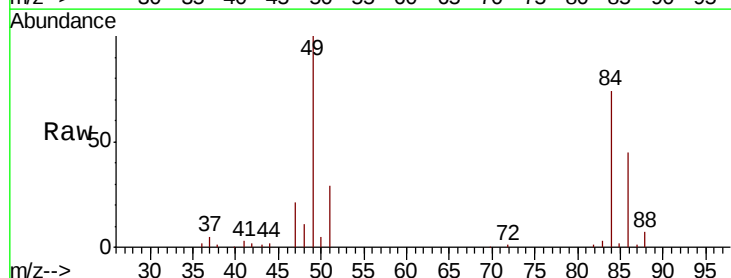
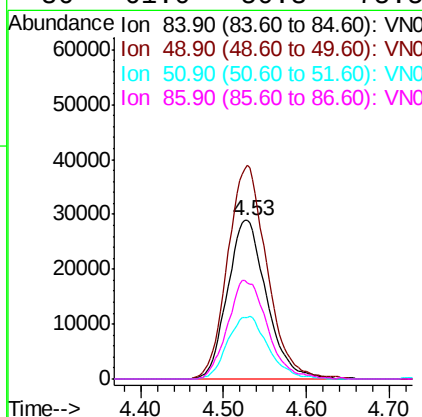
Manual Integrations
APPROVED

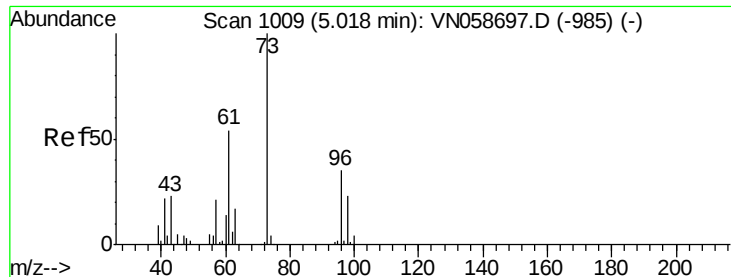
MMDadoda
10/18/2019 12:42:40 AM



#20
Methylene Chloride
Concen: 19.965 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion: 84 Resp: 94793
Ion Ratio Lower Upper
84 100
49 134.7 107.6 161.4
51 39.0 31.4 47.0
86 61.0 50.3 75.5





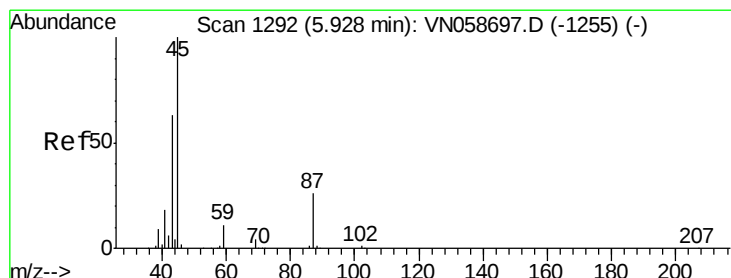
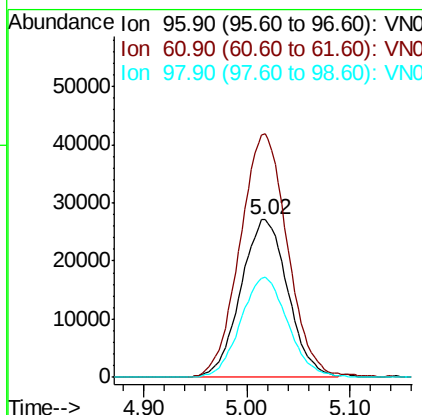
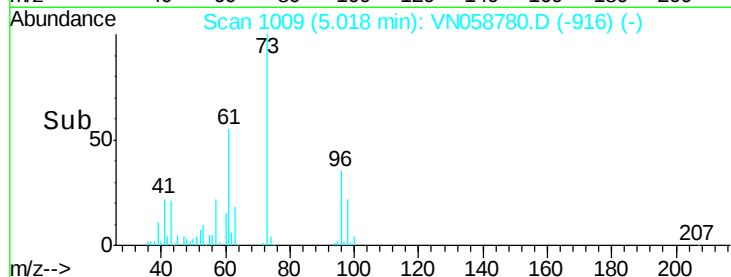
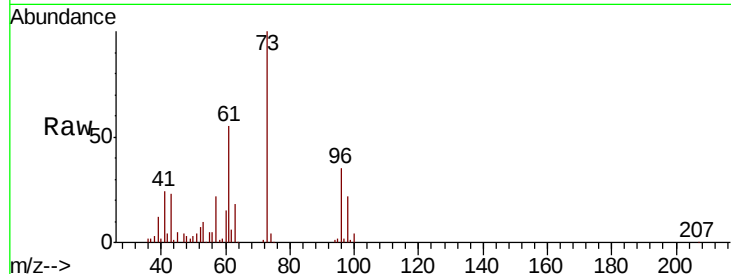
#21
trans-1,2-Dichloroethene
Concen: 20.453 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.5	123.6	185.4
98	63.3	52.1	78.1

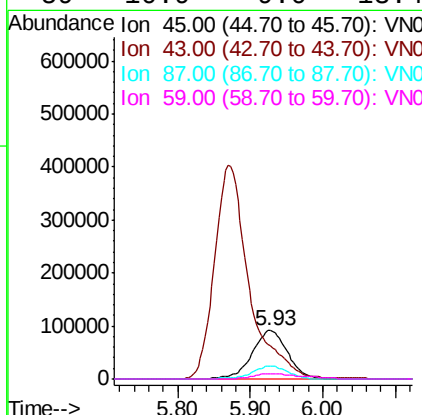
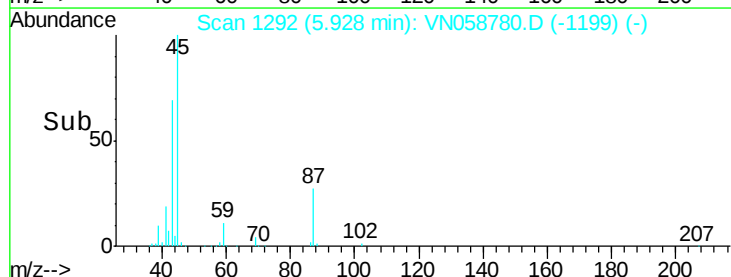
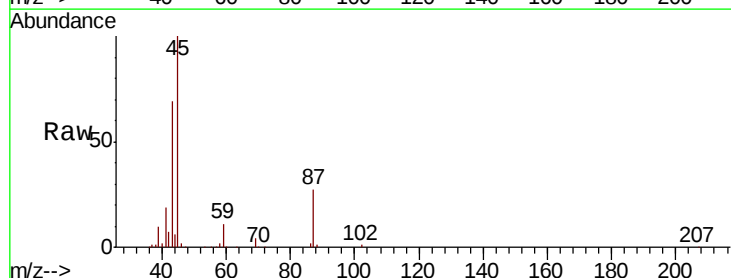
Manual Integrations
APPROVED

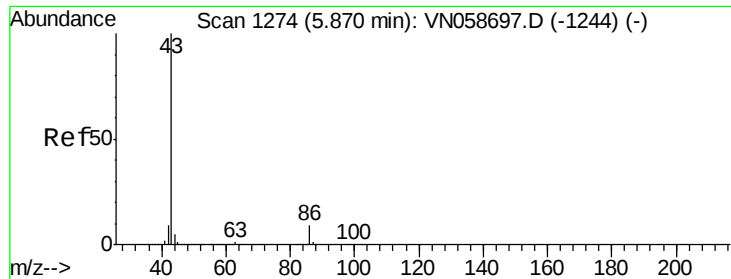
MMDadoda
10/18/2019 12:42:40 AM



#22
Diisopropyl ether
Concen: 21.064 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.8	50.6	75.8
87	26.8	21.1	31.7
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 112.236 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion: 43 Resp: 1337629

Ion Ratio Lower Upper

43 100

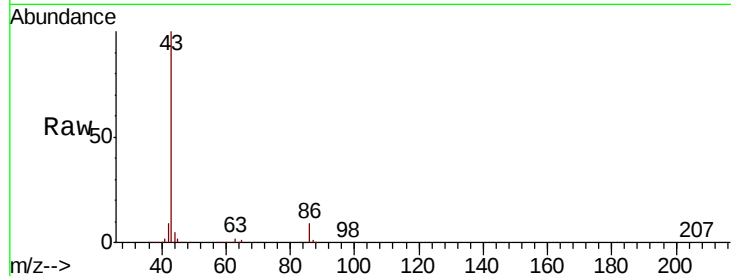
86 9.1 7.4 11.0

Manual Integrations

APPROVED

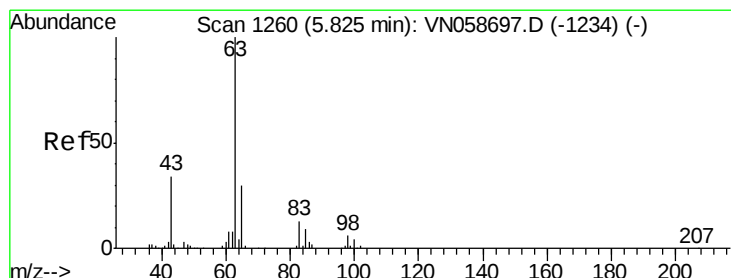
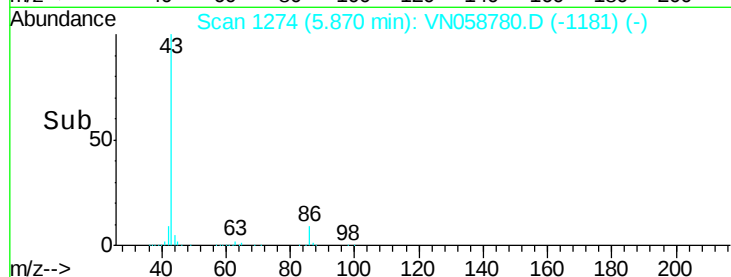
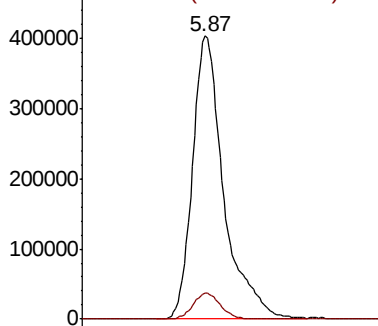
MMDadoda

10/18/2019 12:42:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.496 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

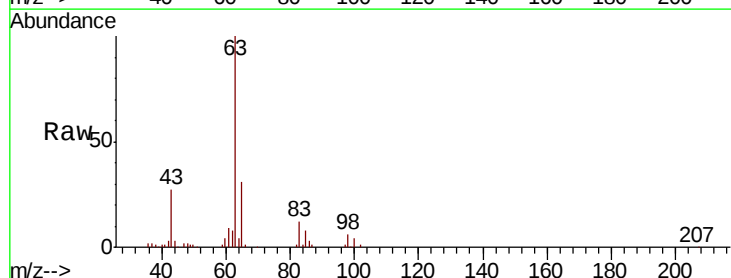
Tgt Ion: 63 Resp: 180827

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.6

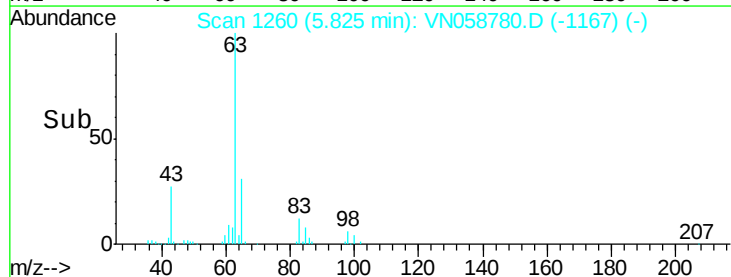
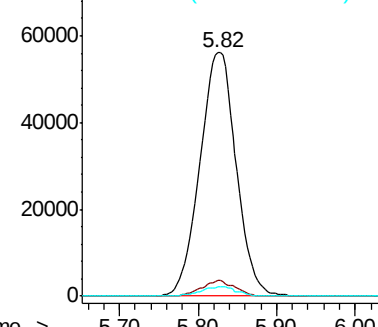
100 3.6 1.8 5.5

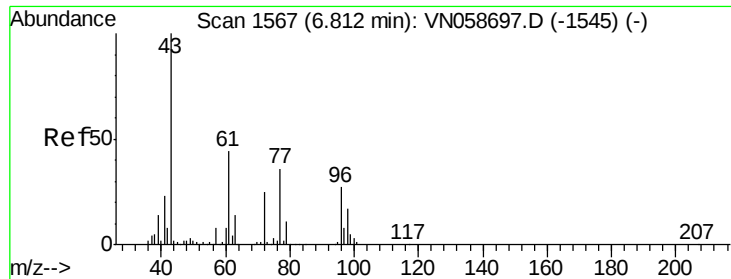


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 107.322 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion: 43 Resp: 352401

Ion Ratio Lower Upper

43 100

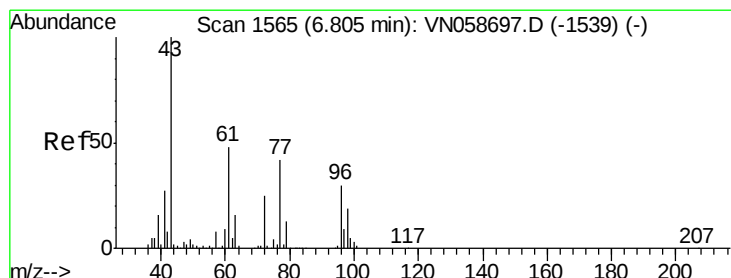
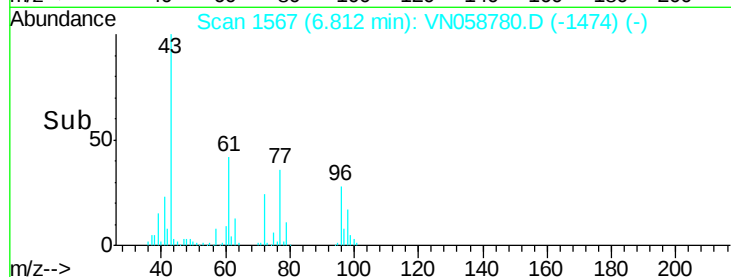
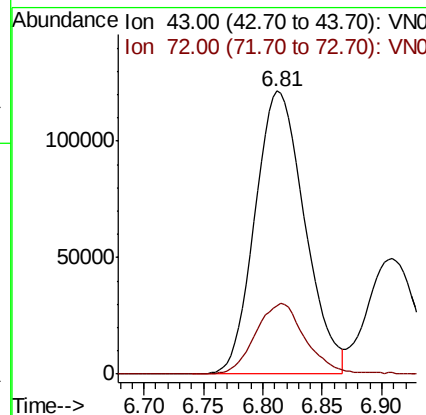
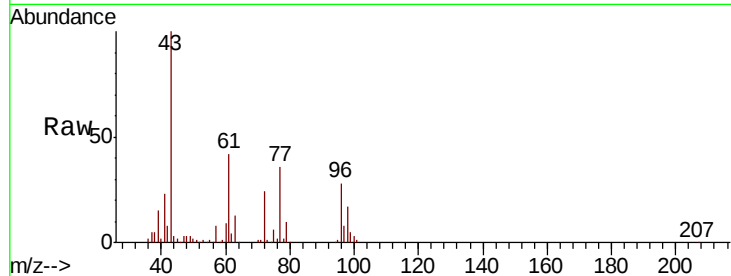
72 24.3 20.2 30.2

Manual Integrations

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MMDadoda

10/18/2019 12:42:40 AM



#26

2,2-Dichloropropane

Concen: 19.967 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058780.D

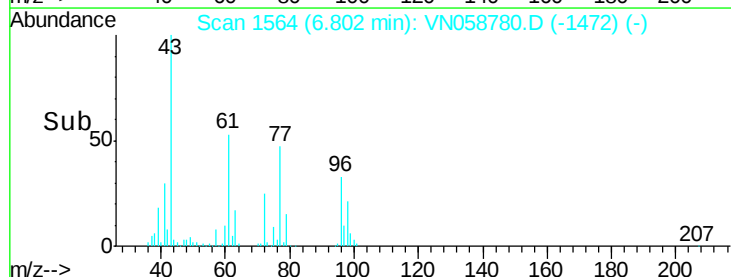
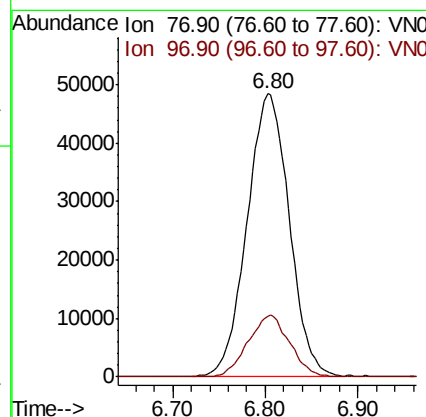
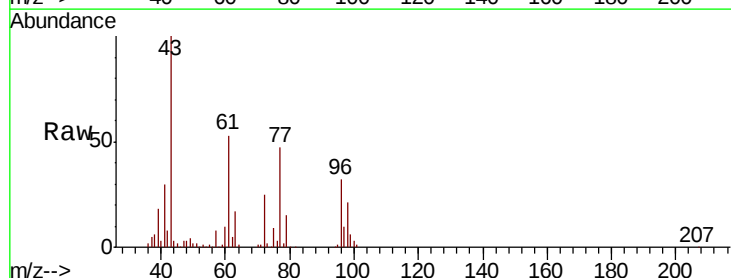
Acq: 15 Oct 2019 14:26

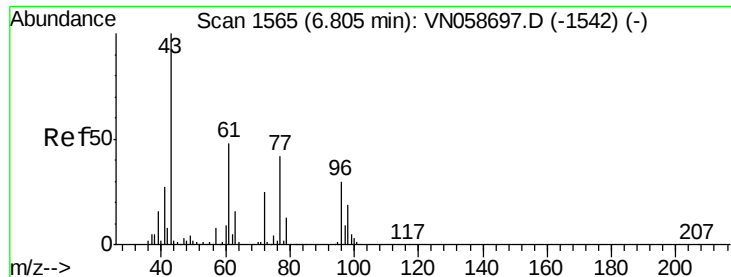
Tgt Ion: 77 Resp: 153321

Ion Ratio Lower Upper

77 100

97 21.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.540 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

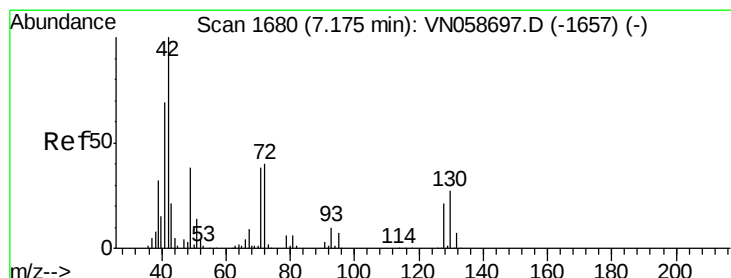
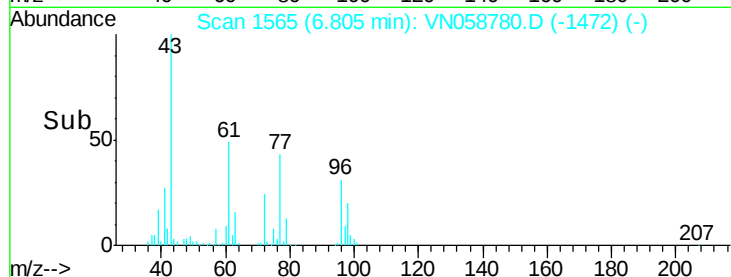
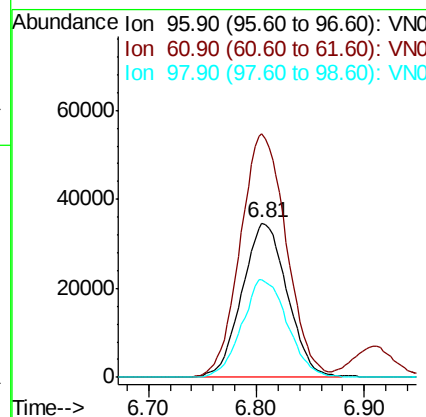
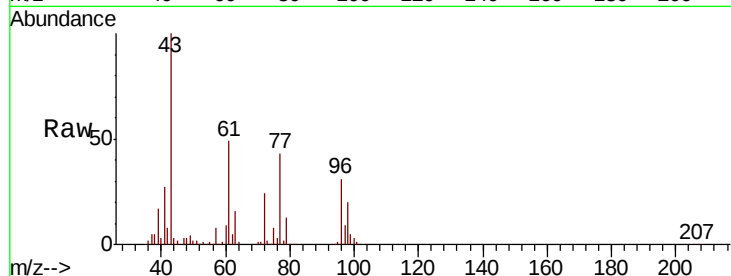
ClientSampleId :

VN1015WBSD01

Tot Ion:	96	Resp:	100853
Ion Ratio	Lower	Upper	
96	100		
61	160.9	0.0	324.8
98	63.9	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 20.572 ug/l

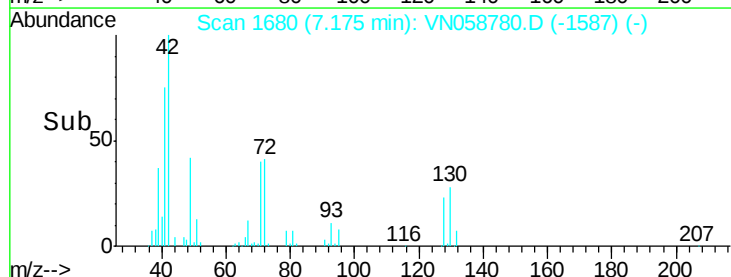
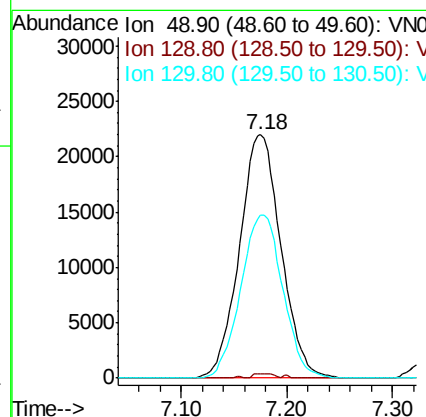
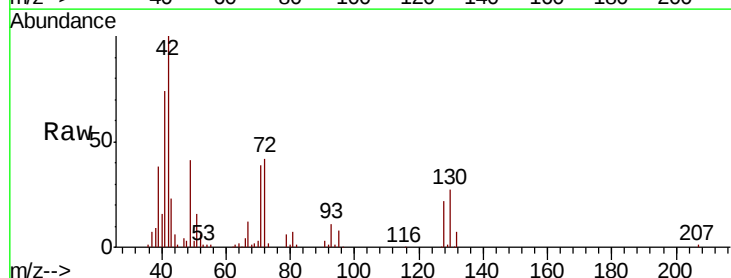
RT: 7.18 min Scan# 1680

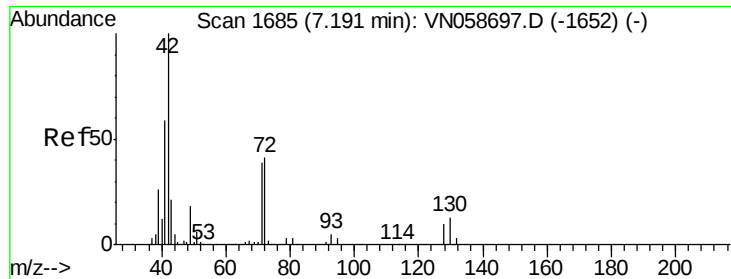
Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Tgt Ion:	49	Resp:	60204
Ion Ratio	Lower	Upper	
49	100		
129	0.9	0.0	3.6
130	67.8	55.0	82.4





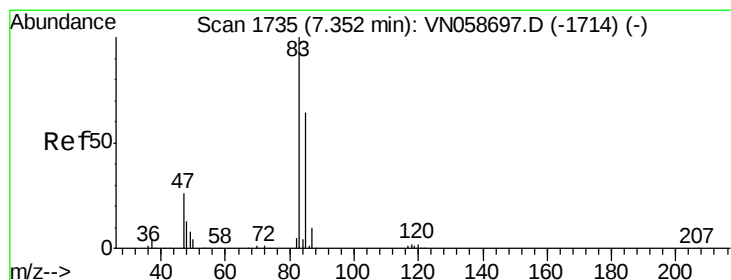
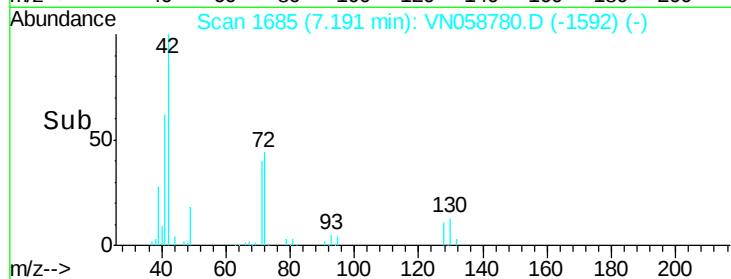
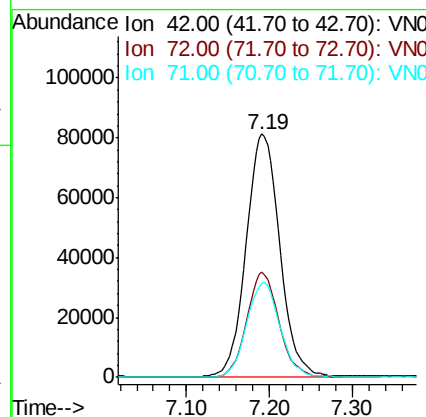
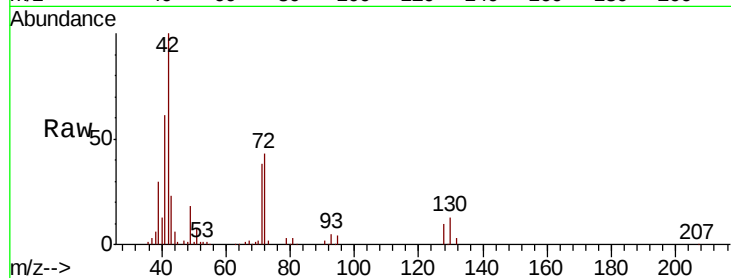
#29
Tetrahydrofuran
Concen: 108.663 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.8	49.2
71	38.4	31.1	46.7

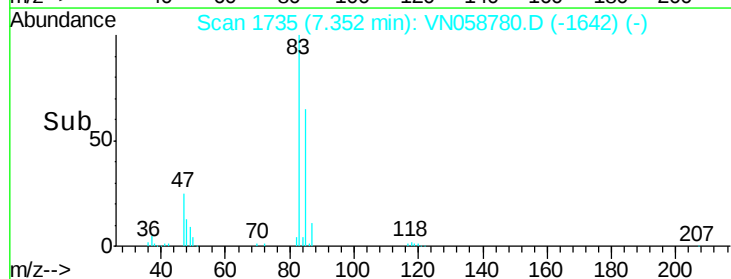
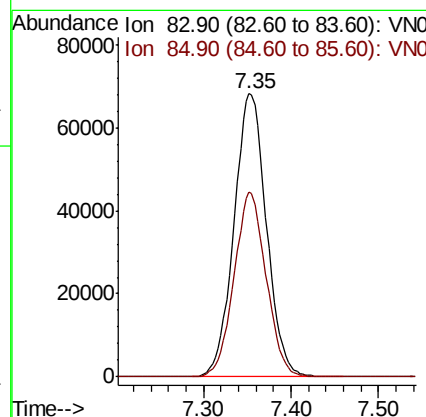
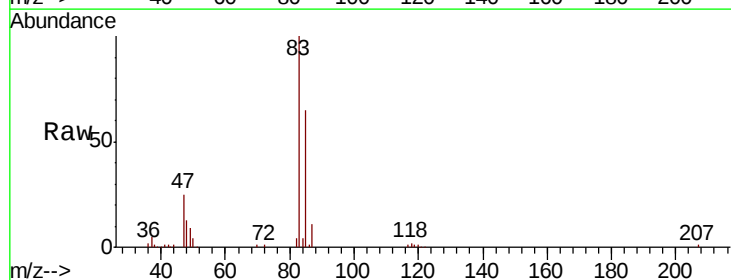
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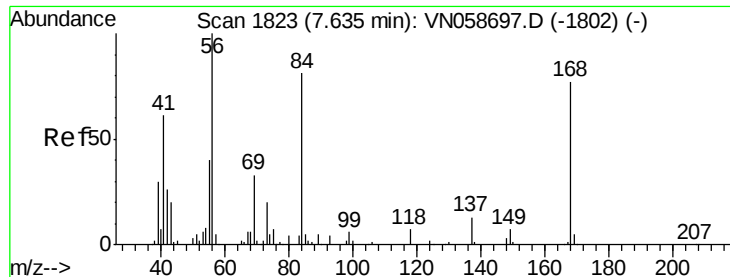
MMDadoda
10/18/2019 12:42:40 AM



#30
Chloroform
Concen: 20.785 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.0	76.6





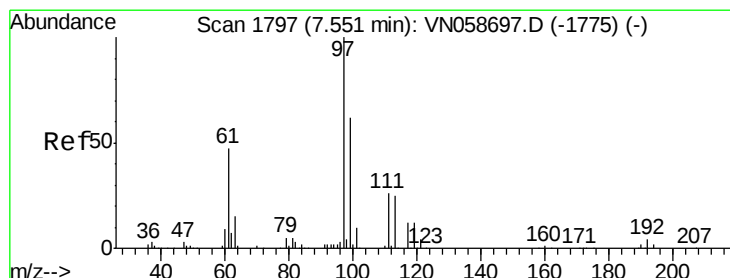
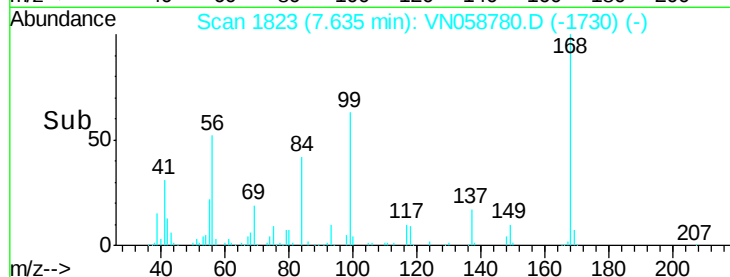
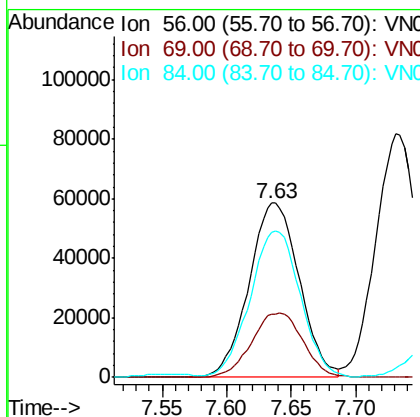
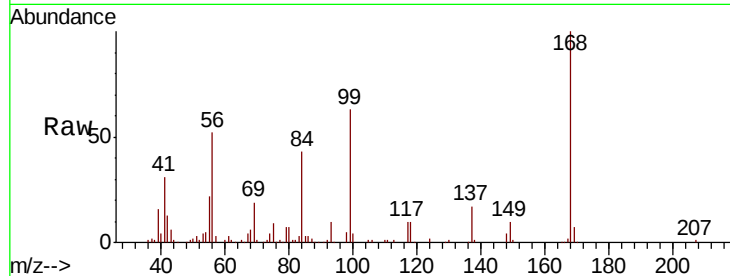
#31
Cyclohexane
Concen: 19.719 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	26.2	39.4
84	81.6	64.9	97.3

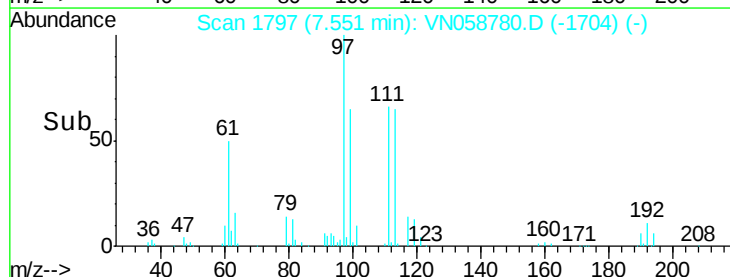
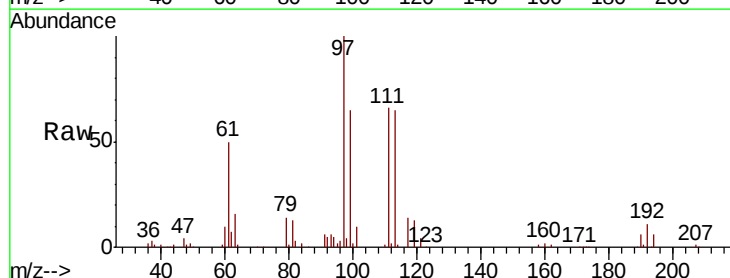
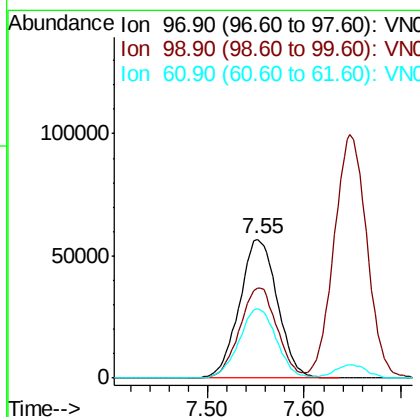
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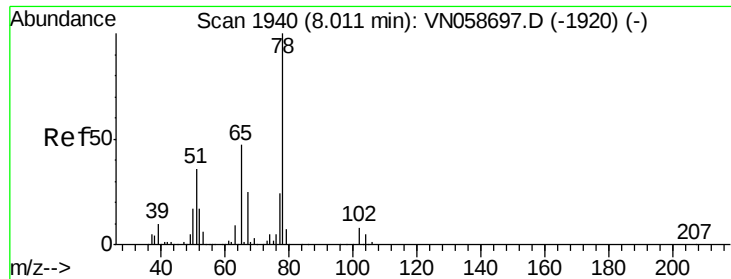
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#32
1,1,1-Trichloroethane
Concen: 21.491 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	49.1	38.1	57.1





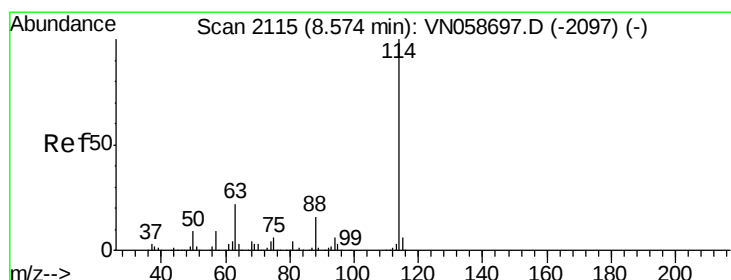
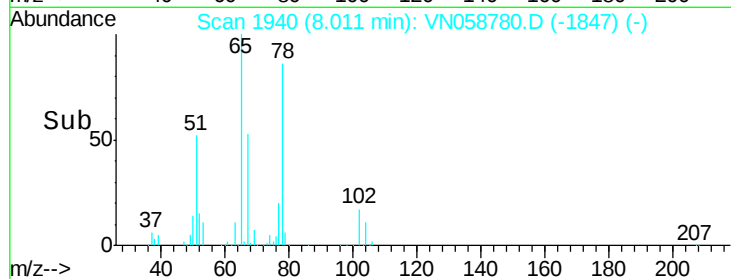
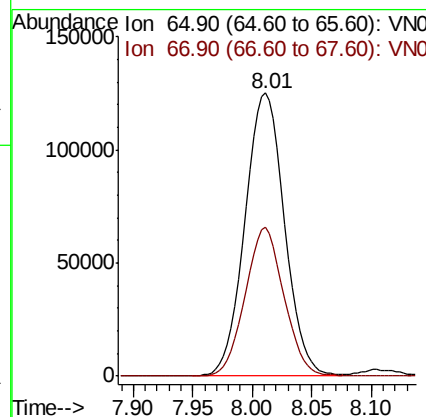
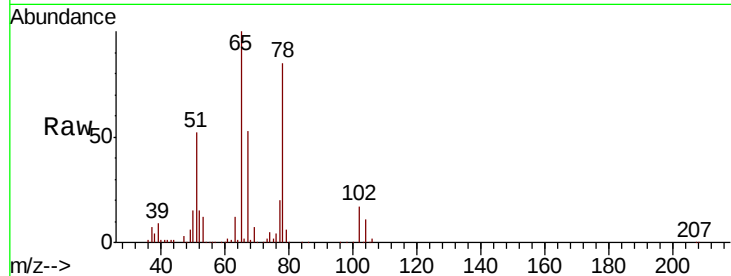
#33
 1,2-Dichloroethane-d4
 Concen: 52.576 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN1015WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	288506		
67	51.5	0.0	103.8	

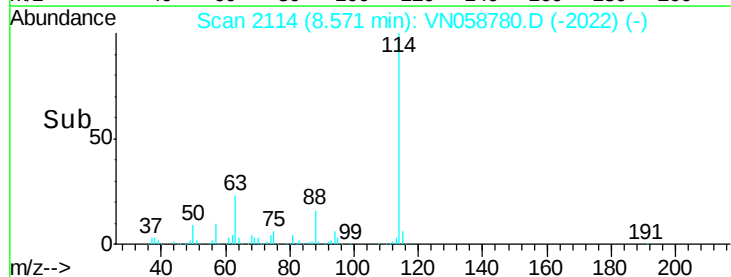
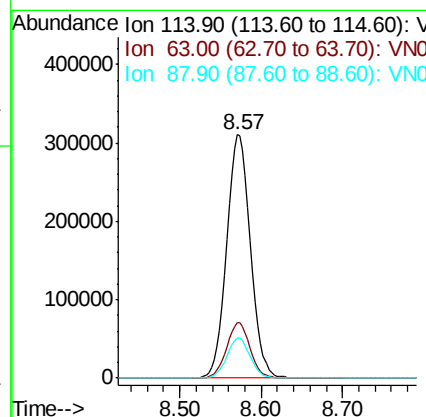
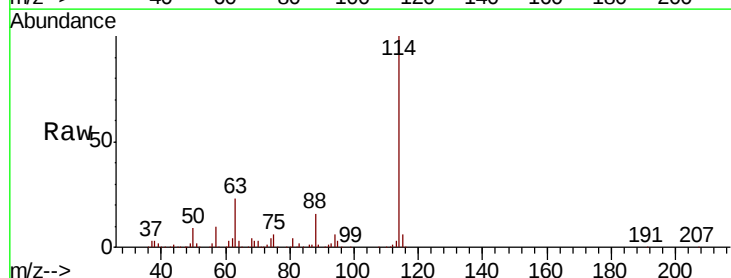
Manual Integrations
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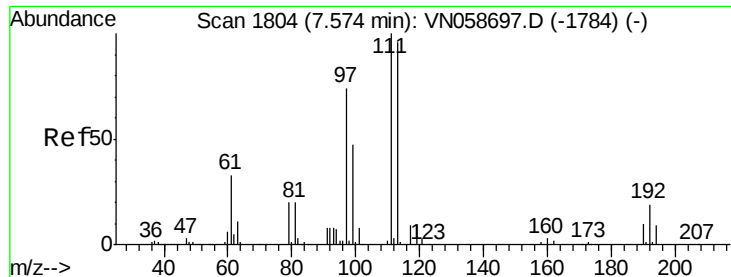
MMDadoda
 10/18/2019 12:42:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	640808		
63	22.6	0.0	43.8	
88	16.5	0.0	32.0	





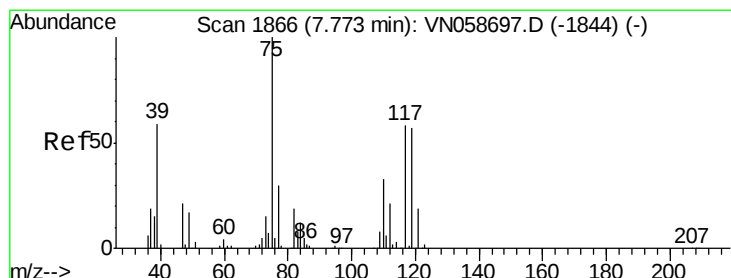
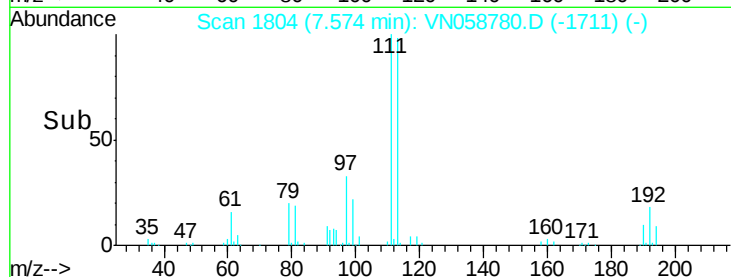
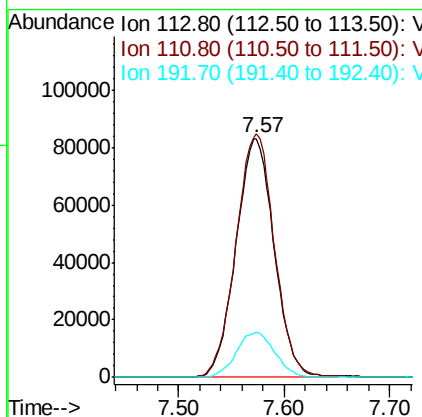
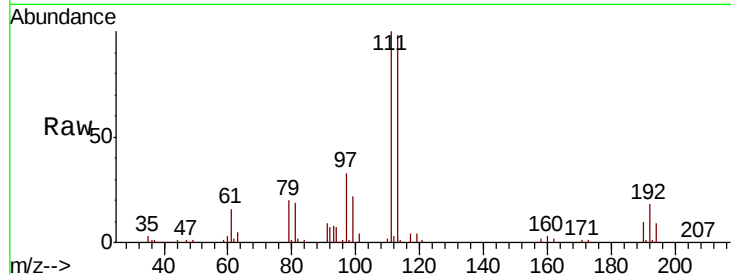
#35
Dibromofluoromethane
Concen: 52.662 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	208444		
111	102.6		82.3	123.5
192	19.1		15.0	22.6

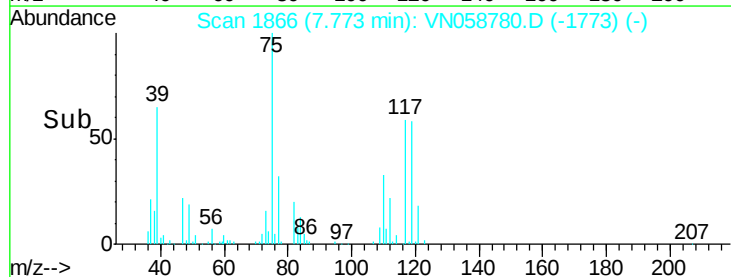
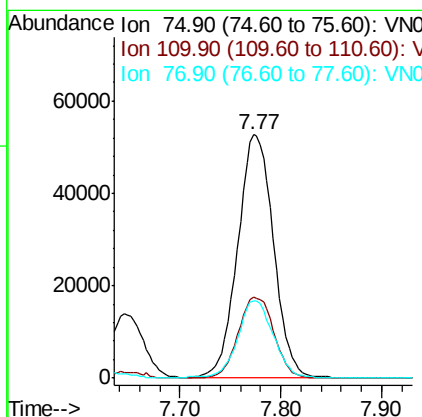
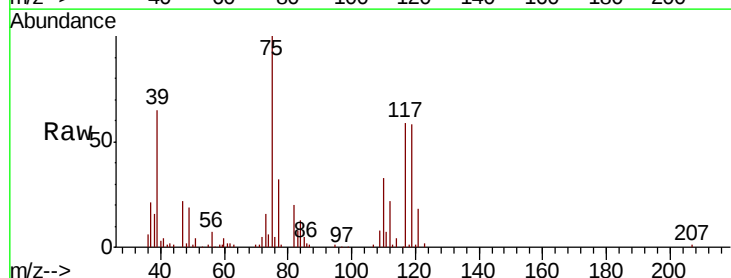
Manual Integrations
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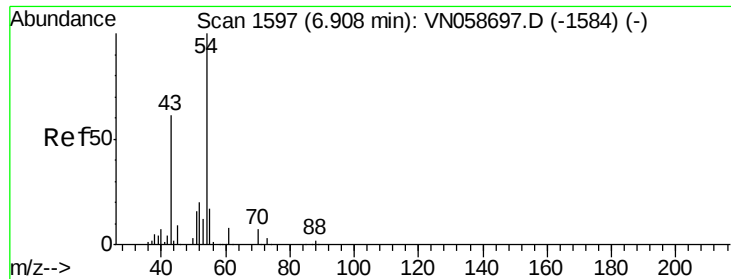
MMDadoda
10/18/2019 12:42:40 AM



#36
1,1-Dichloropropene
Concen: 20.053 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129921		
110	33.1		16.6	49.8
77	31.8		24.6	37.0





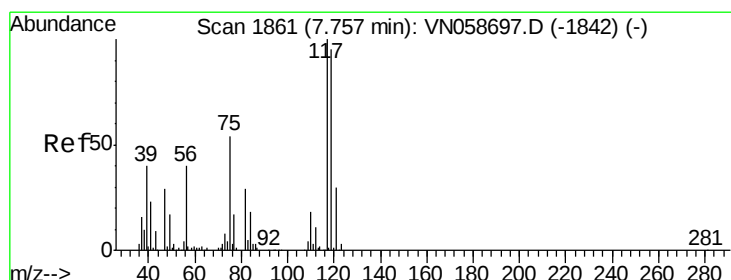
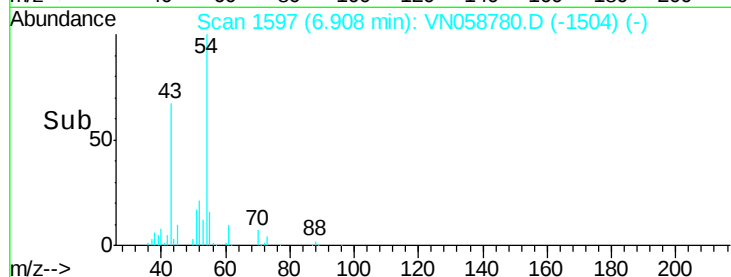
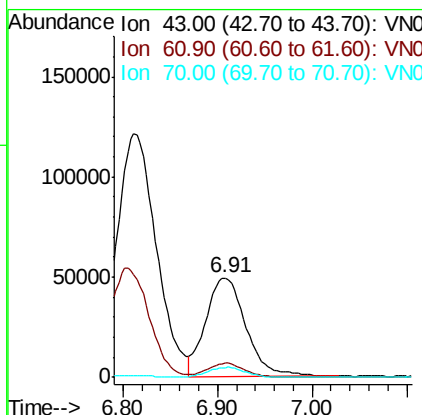
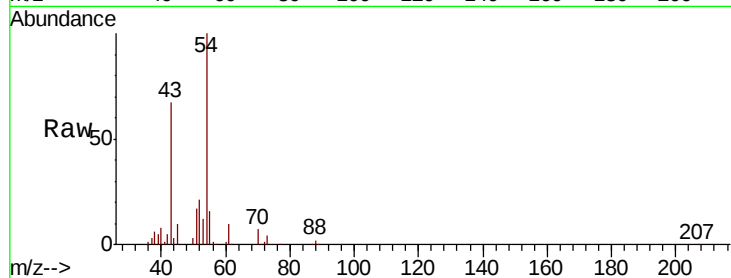
#37
Ethyl Acetate
Concen: 22.197 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.3	16.9
70	9.7	7.2	10.8

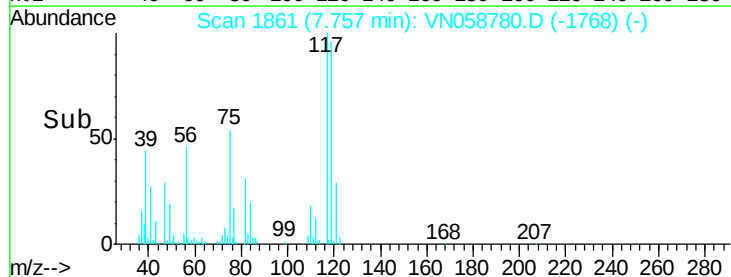
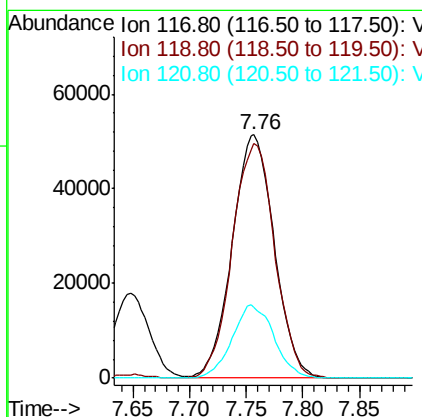
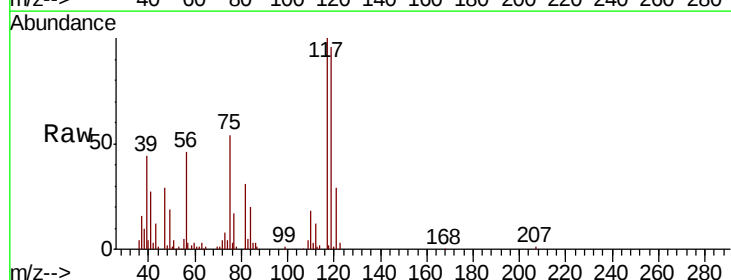
Manual Integrations
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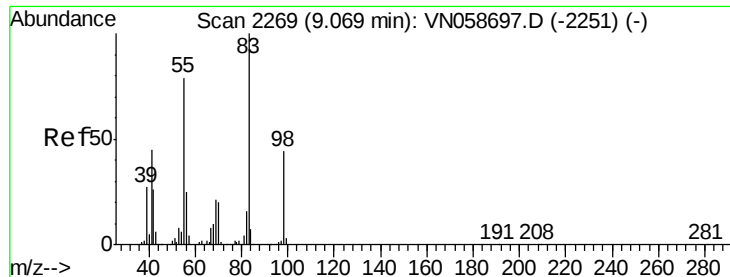
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.033 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.7	113.5
121	29.0	23.9	35.9





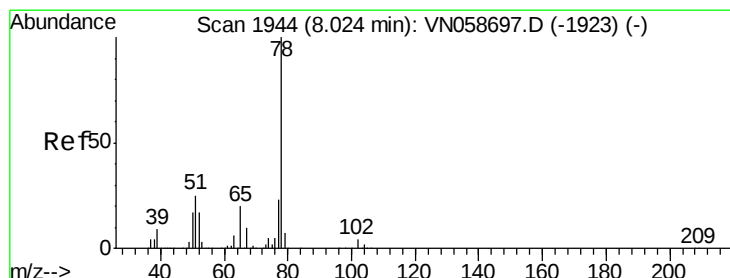
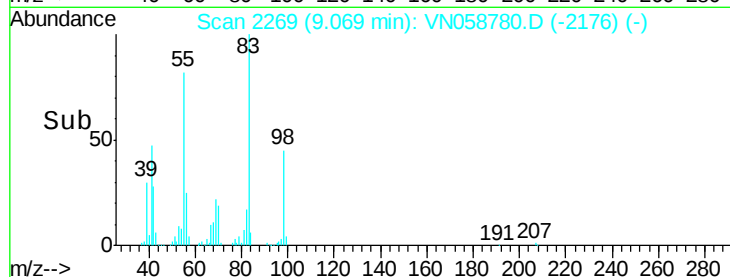
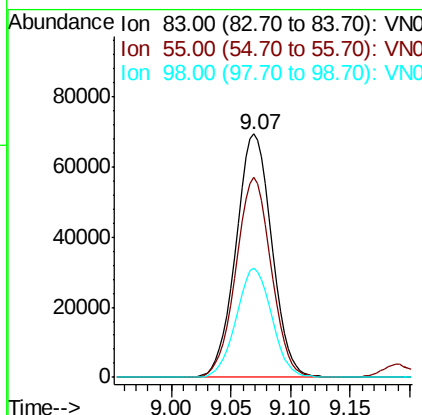
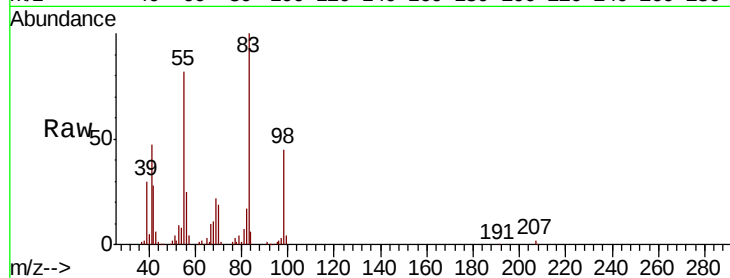
#39
Methvlcvclohexane
Concen: 19.326 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.2	63.4	95.0
98	45.0	35.1	52.7

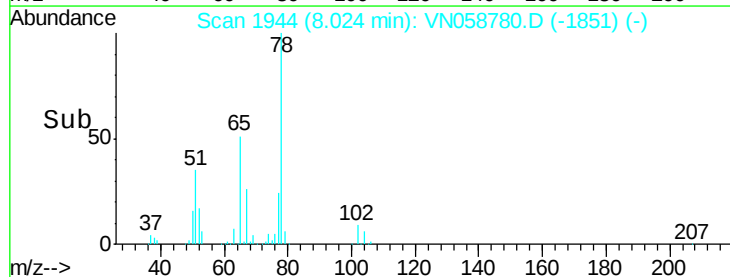
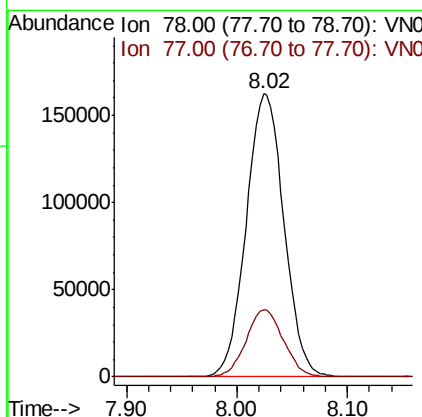
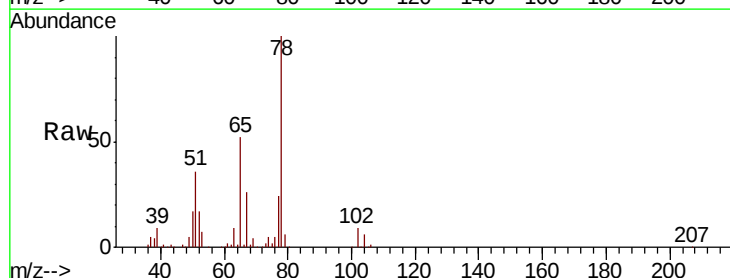
Manual Integrations
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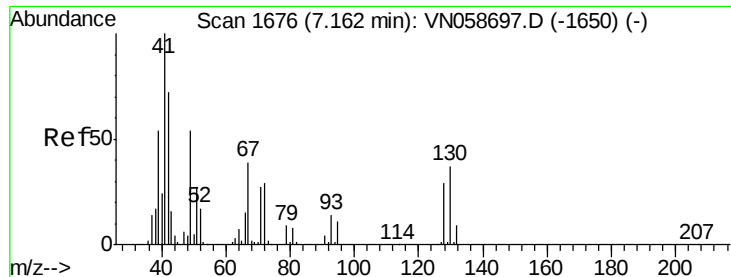
MMDadoda
10/18/2019 12:42:40 AM



#40
Benzene
Concen: 20.662 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





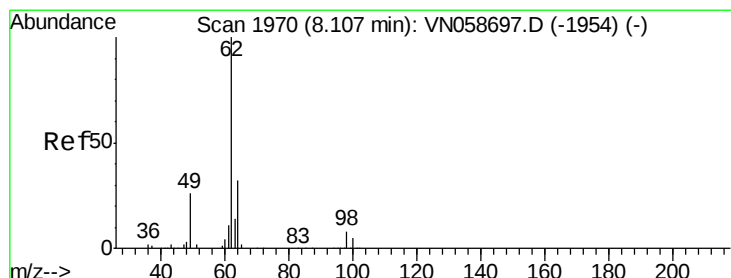
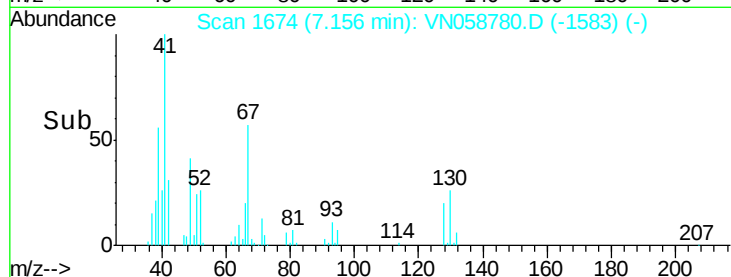
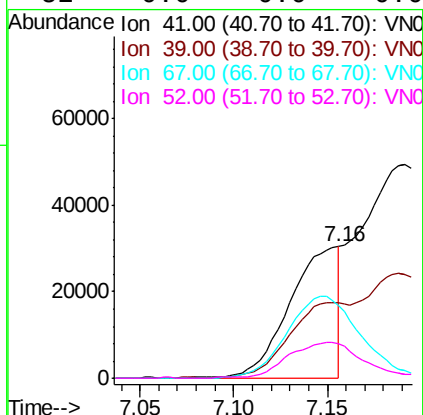
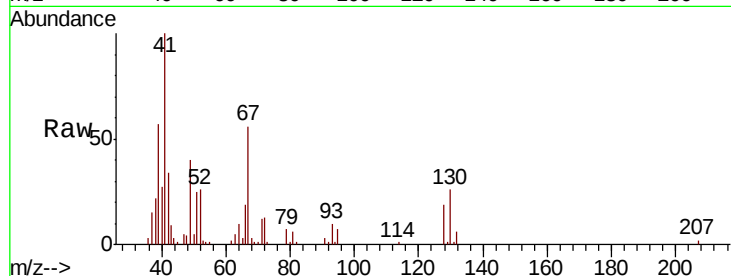
#41
Methacrylonitrile
Concen: 18.152 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	41	Resp:	55675
Ion Ratio	Lower	Upper	
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

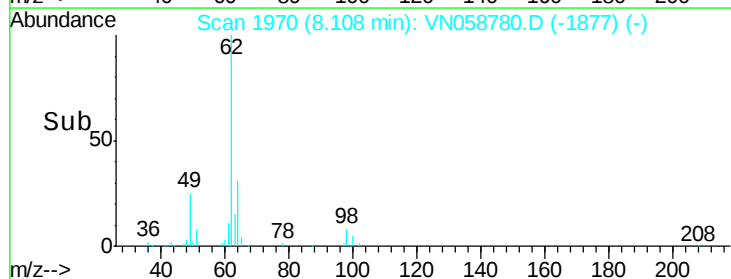
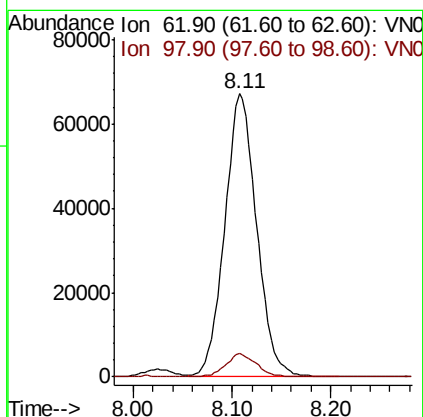
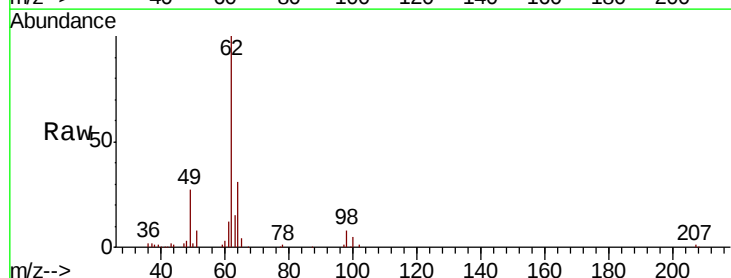
Manual Integrations
APPROVED

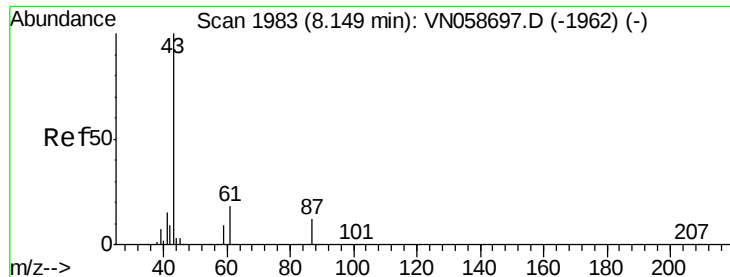
MMDadoda
10/18/2019 12:42:40 AM



#42
1,2-Dichloroethane
Concen: 21.202 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	62	Resp:	151571
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	15.8





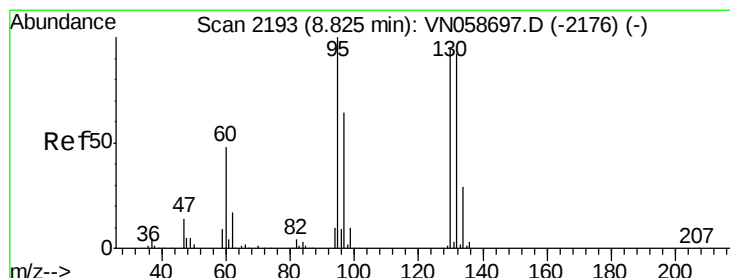
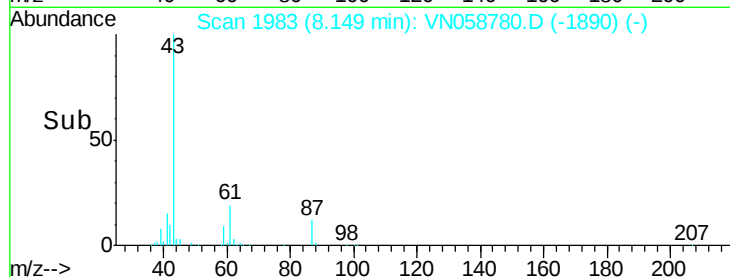
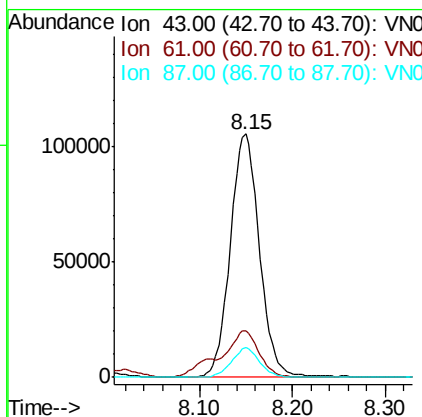
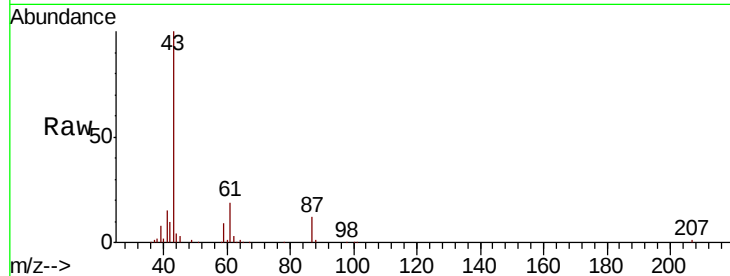
#43
Isopropyl Acetate
Concen: 20.480 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	20.3	30.5#
87	11.6	9.8	14.6

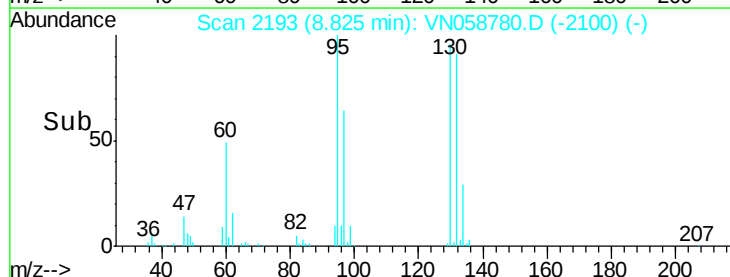
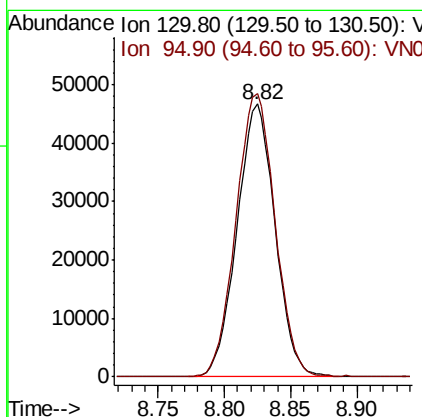
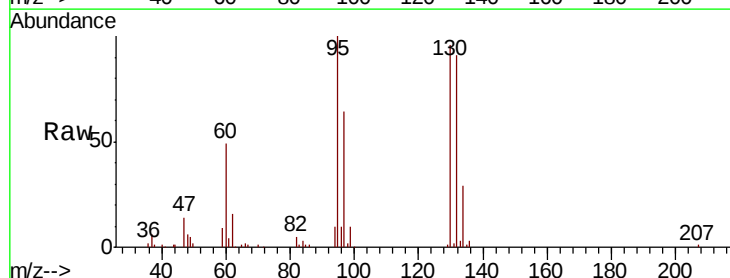
Manual Integrations
APPROVED

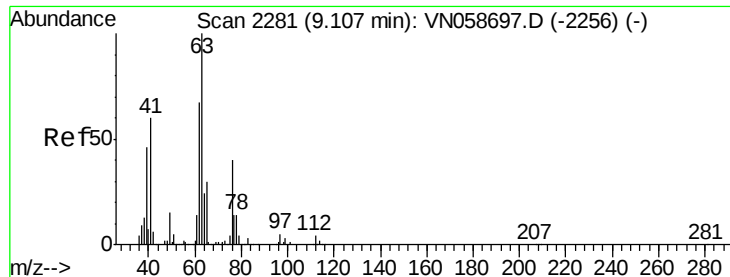
MMDadoda
10/18/2019 12:42:40 AM



#44
Trichloroethene
Concen: 20.232 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	211.2





#45

1,2-Dichloropropane

Concen: 21.174 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion: 63 Resp: 105474

Ion Ratio Lower Upper

63 100

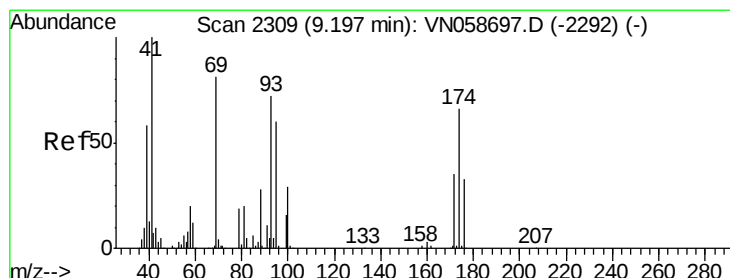
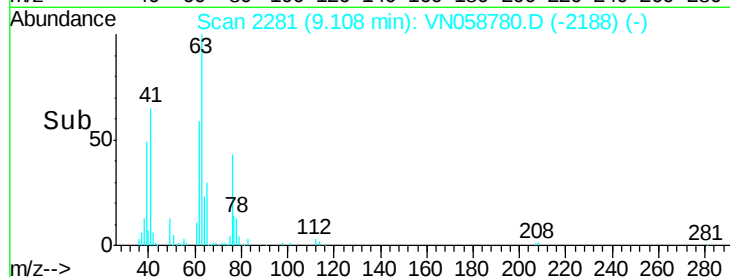
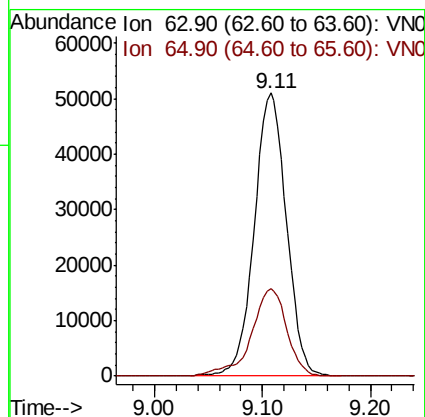
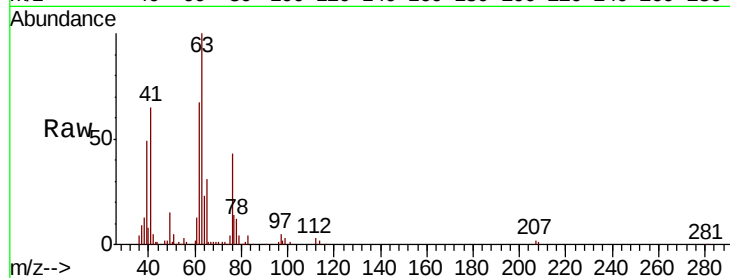
65 30.9 24.1 36.1

Manual Integrations

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10/18/2019 12:42:40 AM



#46

Dibromomethane

Concen: 21.098 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

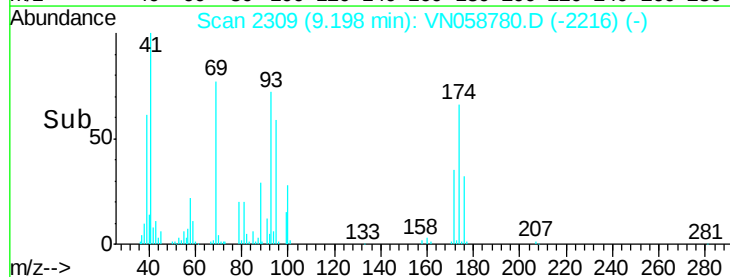
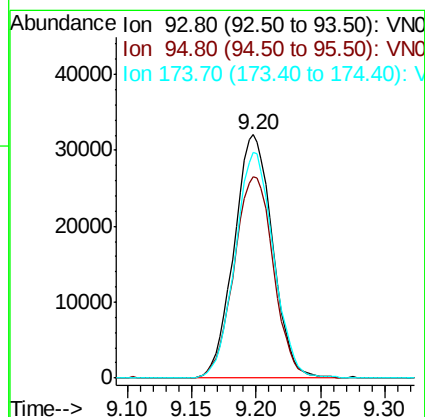
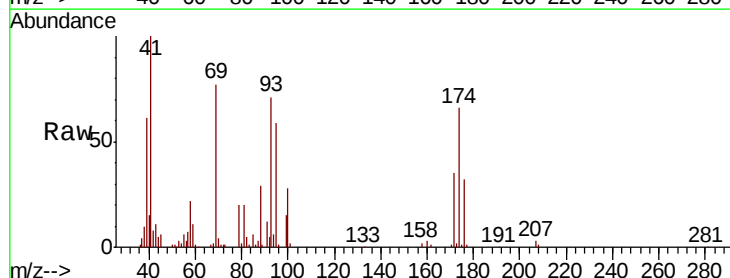
Tgt Ion: 93 Resp: 66631

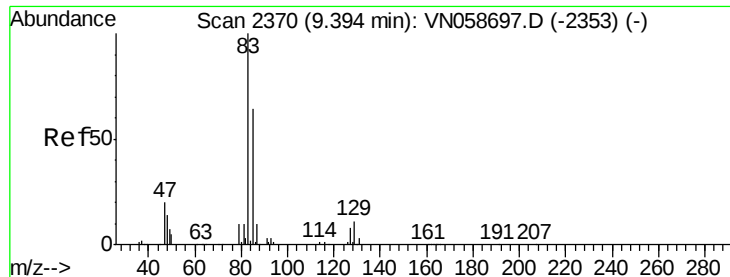
Ion Ratio Lower Upper

93 100

95 84.8 66.6 100.0

174 92.5 75.2 112.8





#47

Bromodichloromethane

Concen: 21.361 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

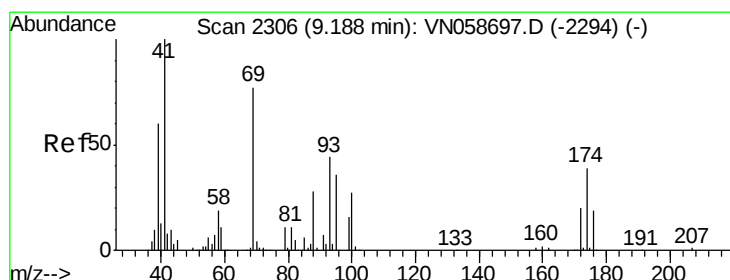
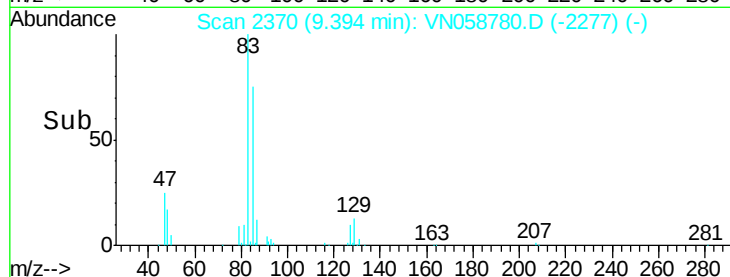
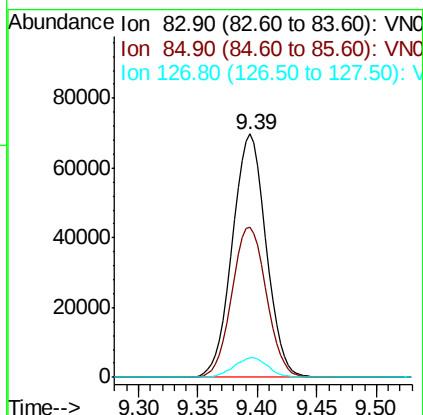
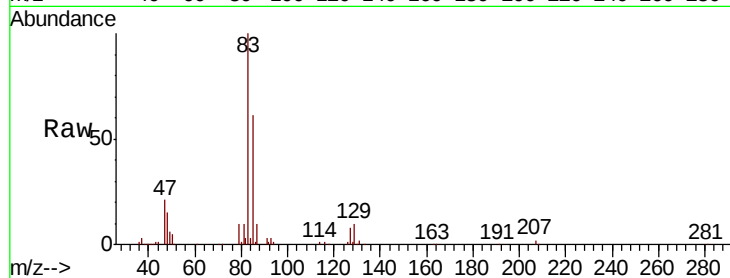
ClientSampleId :

VN1015WBSD01

Tot Ion:	83	Resp:	137374
Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.9	76.3
127	7.9	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.390 ug/l

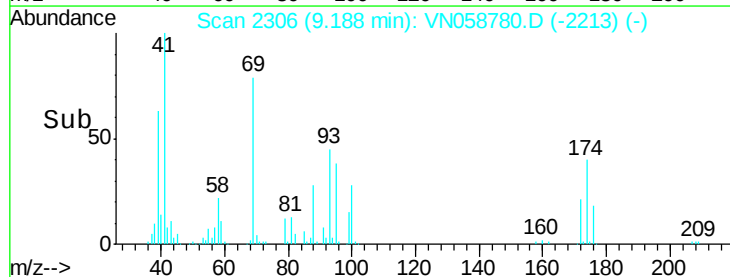
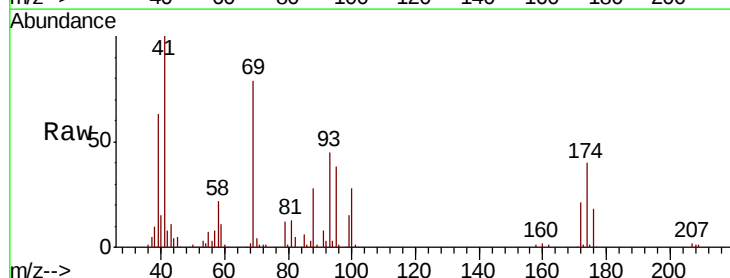
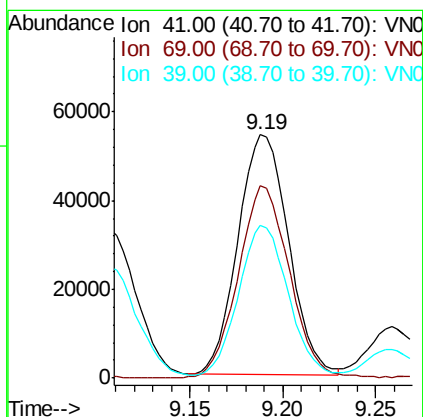
RT: 9.19 min Scan# 2306

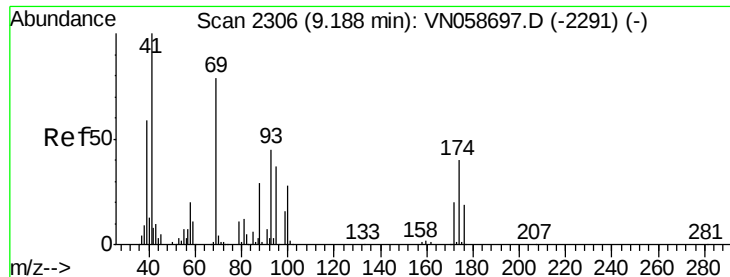
Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Tgt Ion:	41	Resp:	103171
Ion	Ratio	Lower	Upper
41	100		
69	80.9	63.4	95.2
39	63.2	48.9	73.3





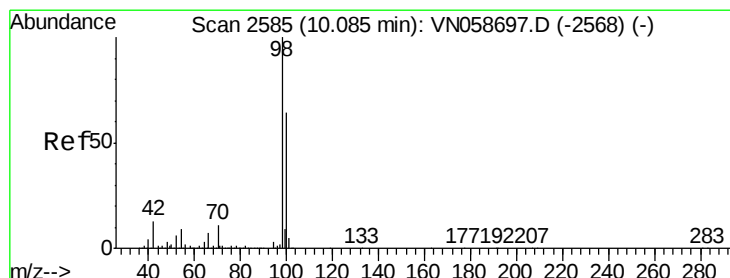
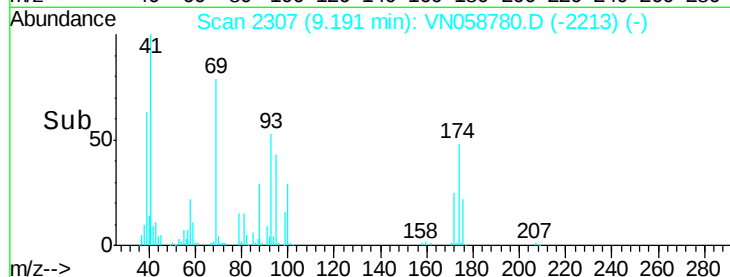
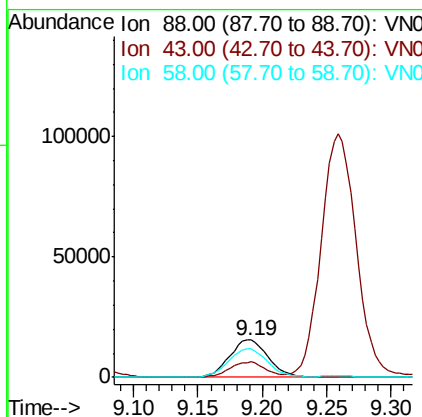
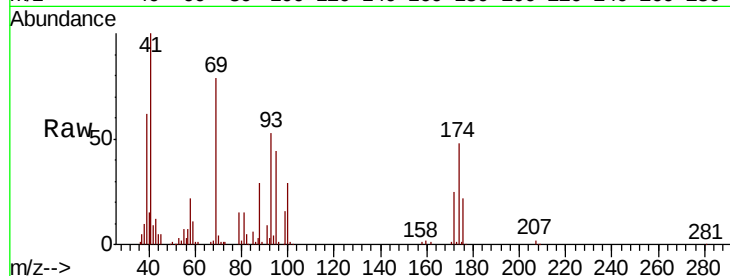
#49
1,4-Dioxane
Concen: 418.152 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	28.6	43.0
58	76.1	57.2	85.8

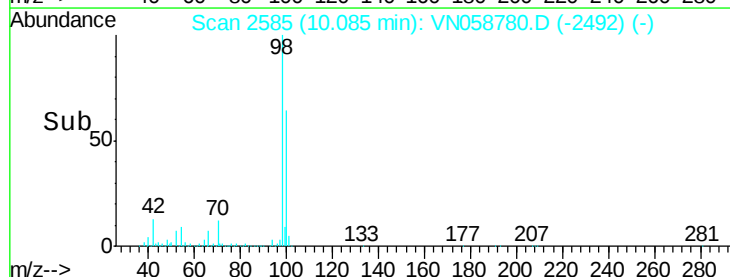
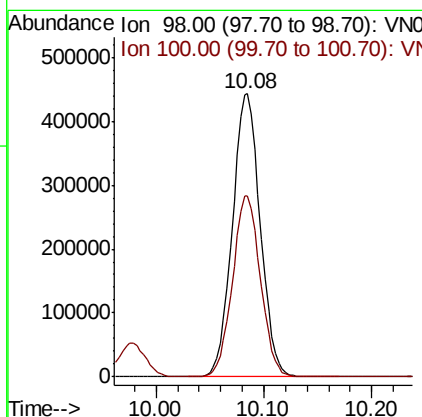
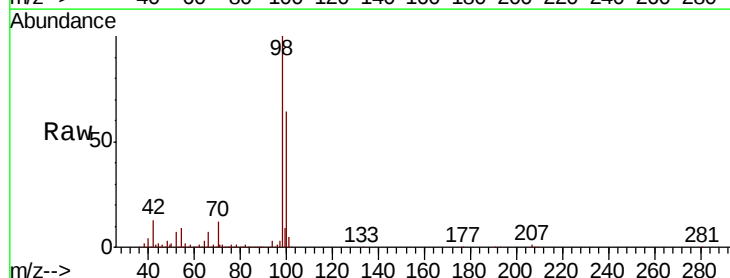
Manual Integrations
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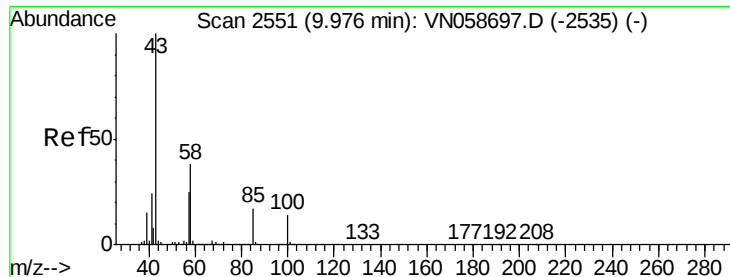
MMDadoda
10/18/2019 12:42:40 AM



#50
Toluene-d8
Concen: 50.380 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 114.863 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion: 43 Resp: 720070

Ion Ratio Lower Upper

43 100

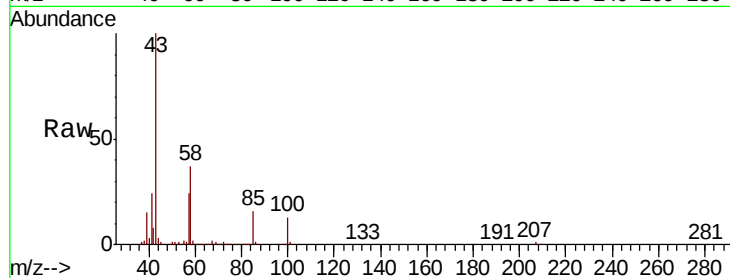
58 37.1 30.3 45.5

Manual Integrations

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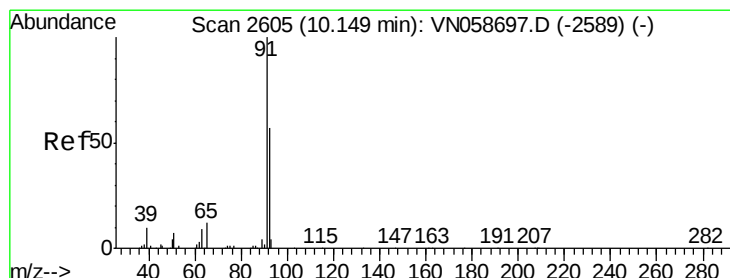
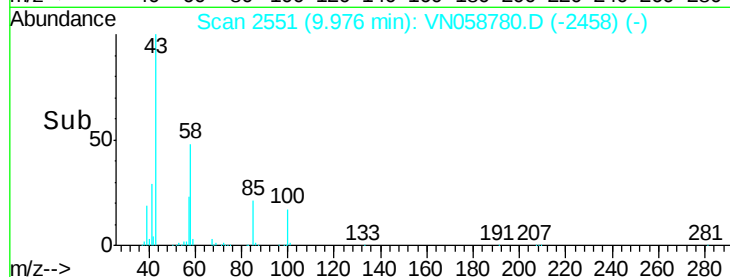
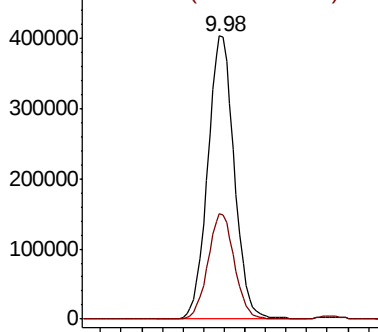
MMDadoda

10/18/2019 12:42:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.844 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058780.D

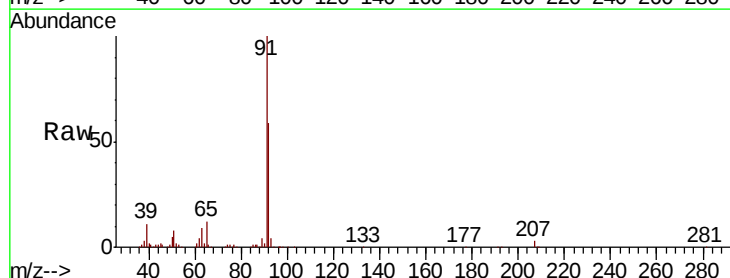
Acq: 15 Oct 2019 14:26

Tgt Ion: 92 Resp: 237222

Ion Ratio Lower Upper

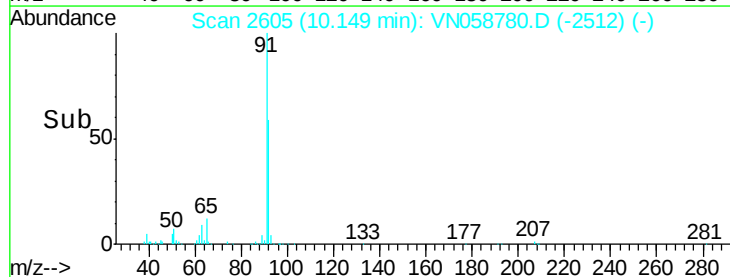
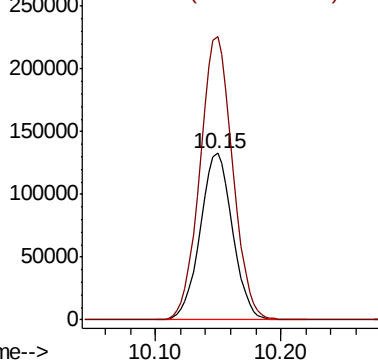
92 100

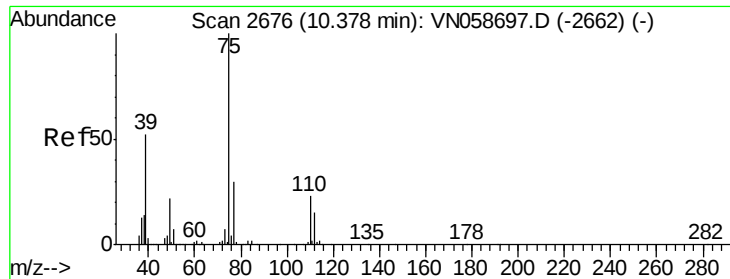
91 172.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





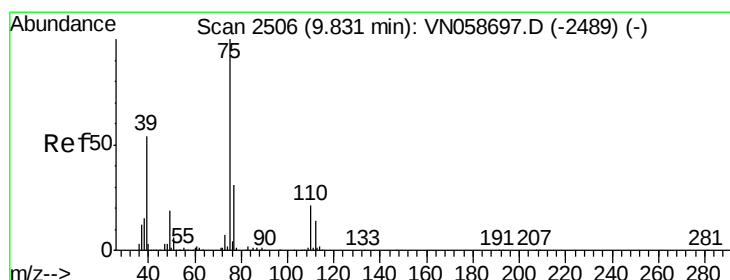
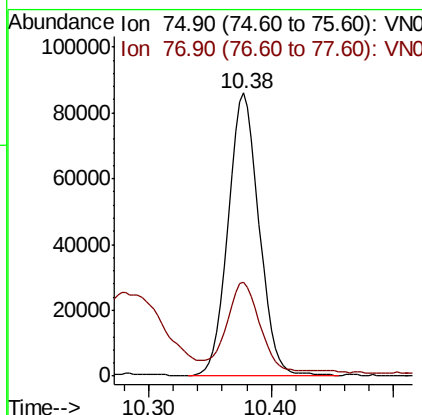
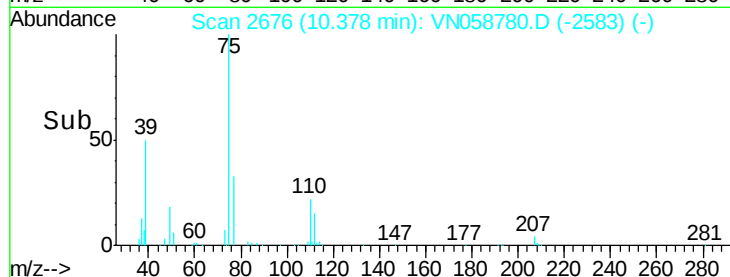
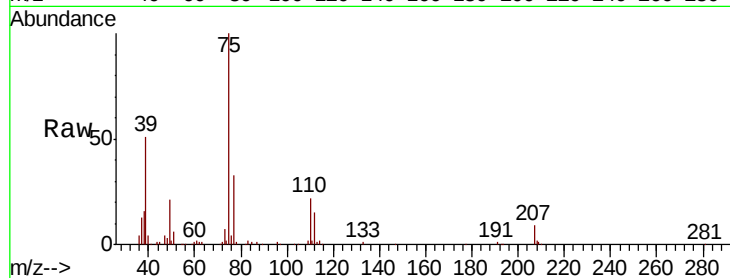
#53
t-1,3-Dichloropropene
Concen: 20.416 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion: 75 Resp: 150591
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.4

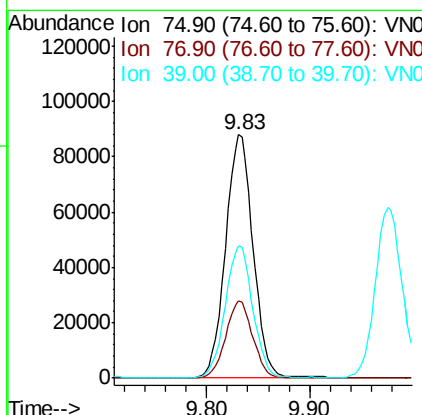
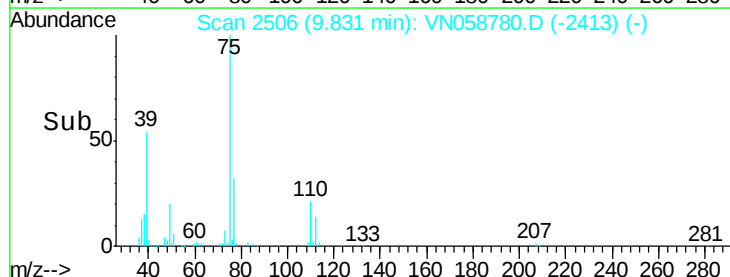
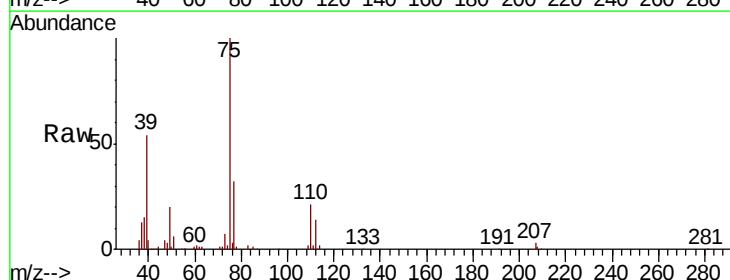
Manual Integrations
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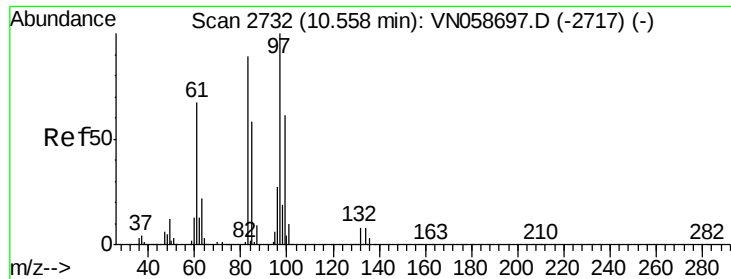
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#54
cis-1,3-Dichloropropene
Concen: 20.896 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion: 75 Resp: 163649
Ion Ratio Lower Upper
75 100
77 31.9 24.4 36.6
39 54.3 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 20.140 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

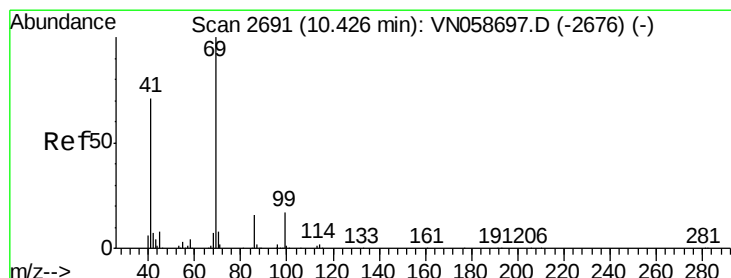
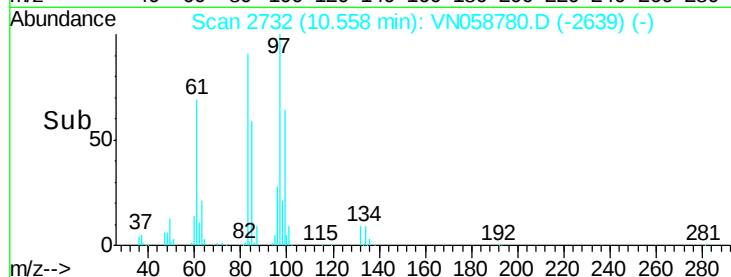
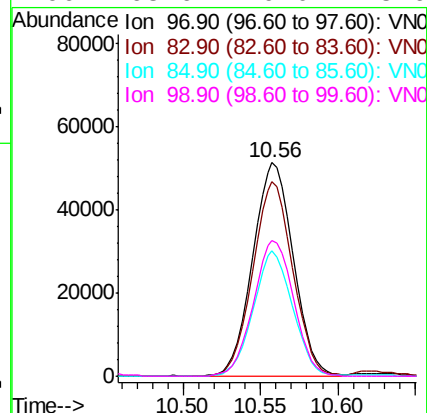
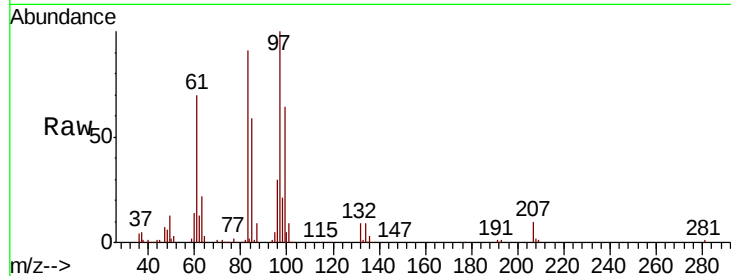
ClientSampleId :

VN1015WBSD01

Tot Ion:	97	Resp:	93816
Ion	Ratio	Lower	Upper
97	100		
83	91.1	71.2	106.8
85	58.7	46.7	70.1
99	63.6	49.0	73.6

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#56

Ethyl methacrylate

Concen: 20.454 ug/l

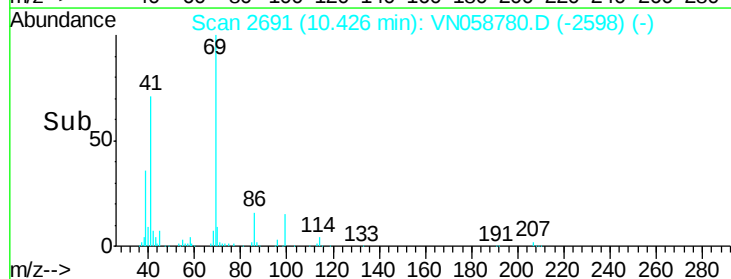
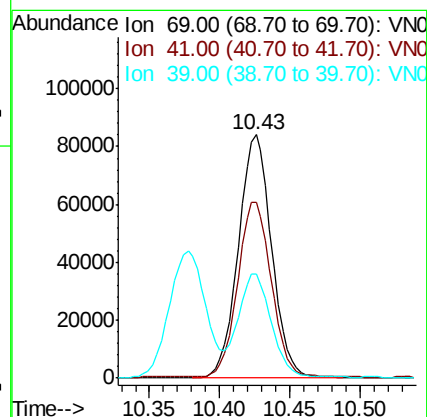
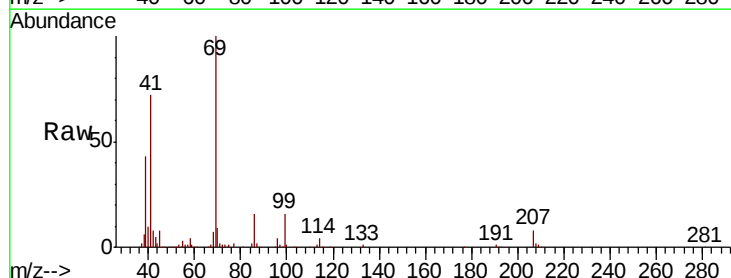
RT: 10.43 min Scan# 2691

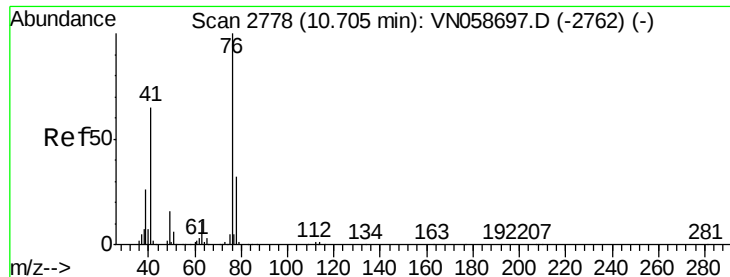
Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Tgt Ion:	69	Resp:	139193
Ion	Ratio	Lower	Upper
69	100		
41	73.0	56.8	85.2
39	42.1	32.5	48.7





#57

1,3-Dichloropropane

Concen: 20.994 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion: 76 Resp: 166641

Ion Ratio Lower Upper

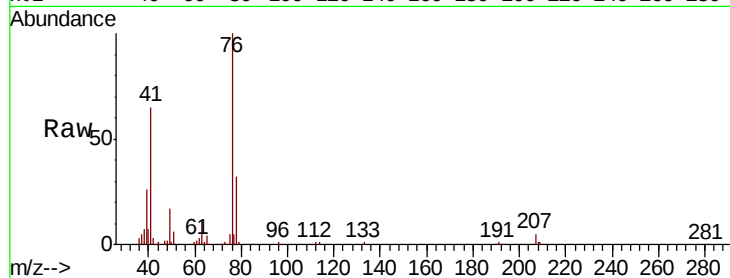
76 100

78 32.3 25.9 38.9

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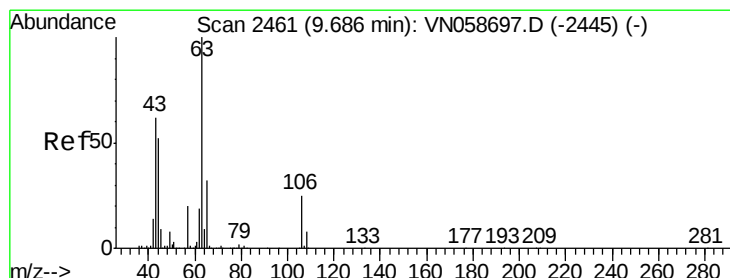
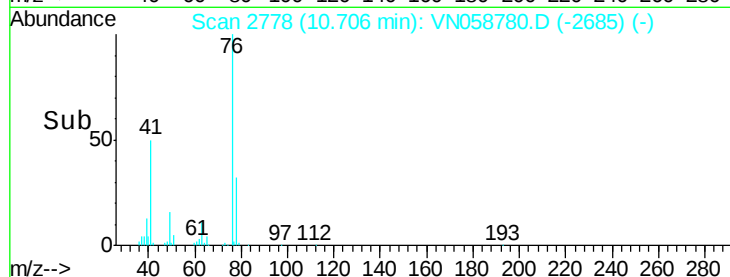
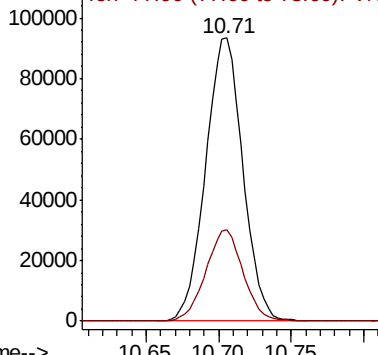
MMDadoda

10/18/2019 12:42:40 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 103.416 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058780.D

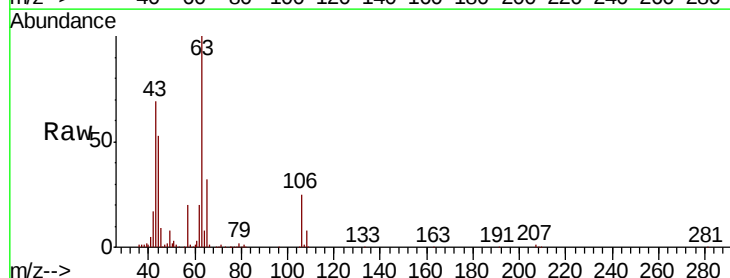
Acq: 15 Oct 2019 14:26

Tgt Ion: 63 Resp: 339155

Ion Ratio Lower Upper

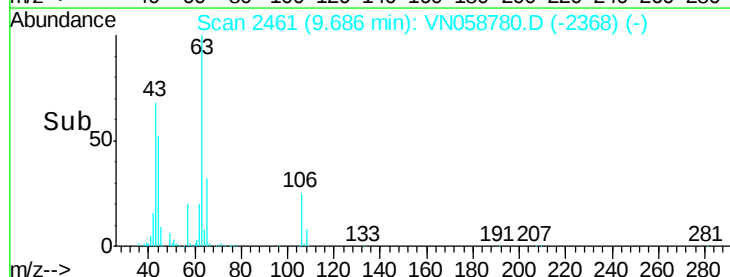
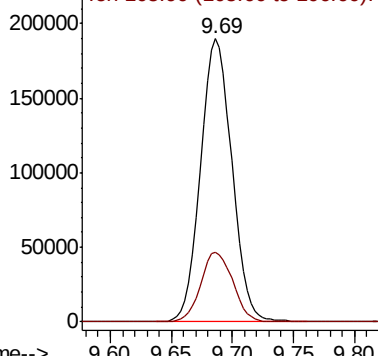
63 100

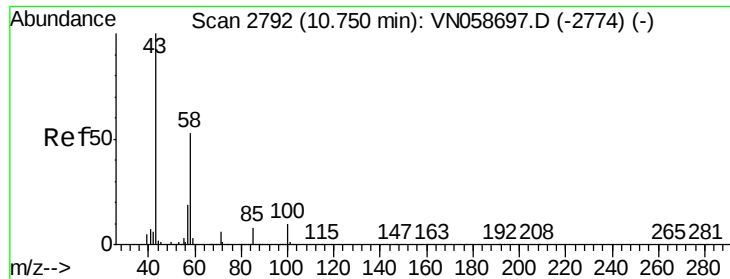
106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





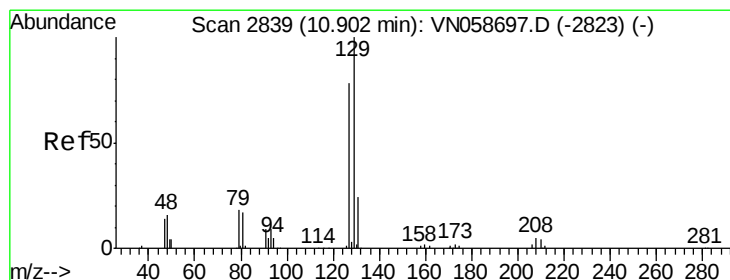
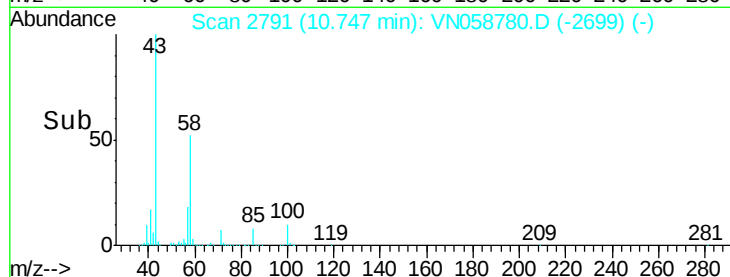
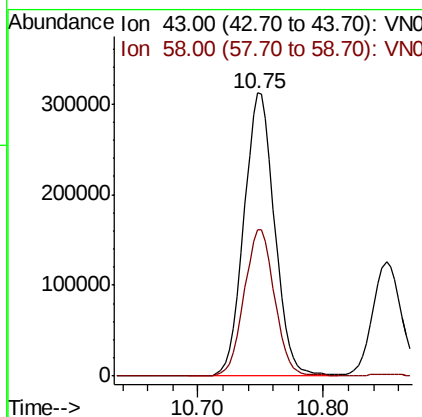
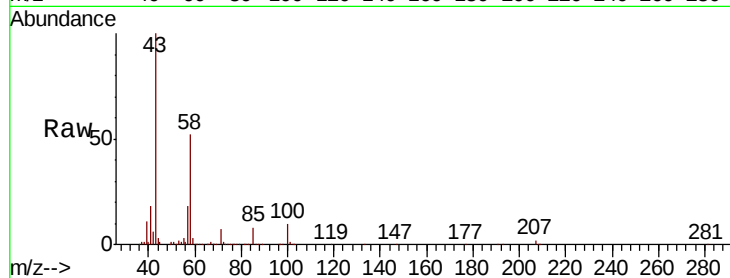
#59
2-Hexanone
Concen: 109.389 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.5	26.1	78.3

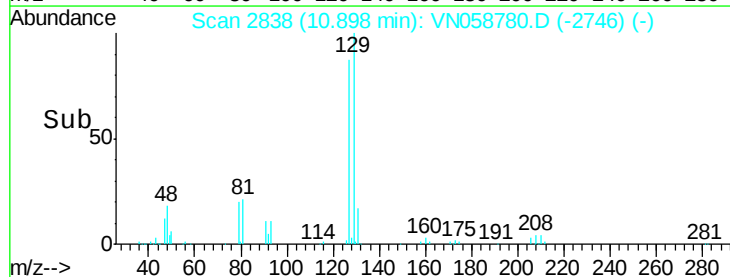
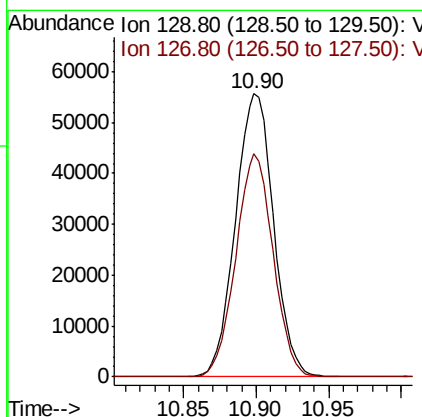
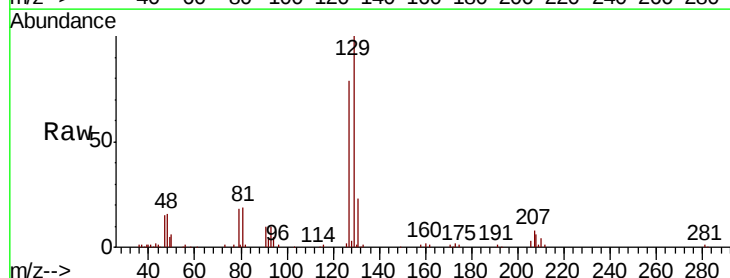
Manual Integrations
APPROVED

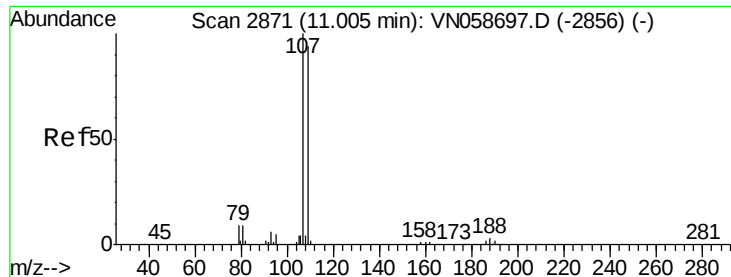
MMDadoda
10/18/2019 12:42:40 AM



#60
Dibromochloromethane
Concen: 21.174 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.3





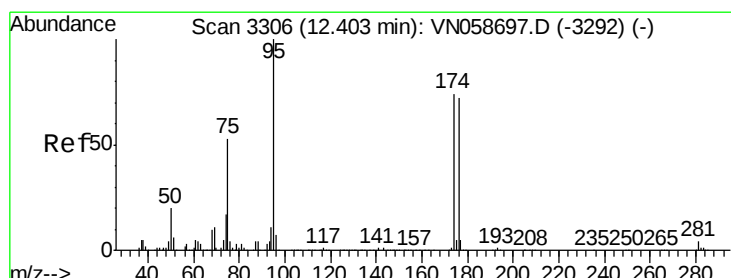
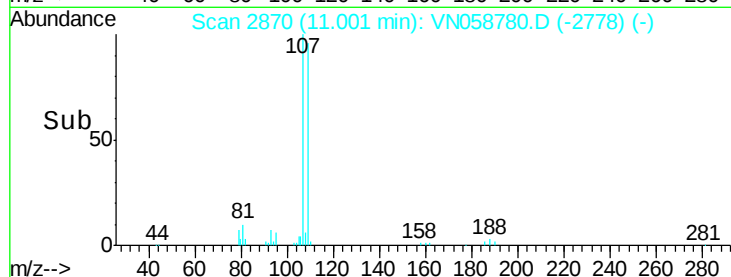
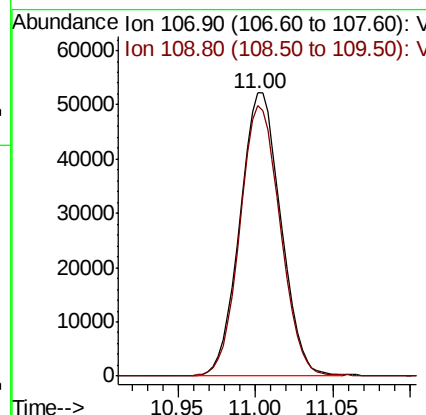
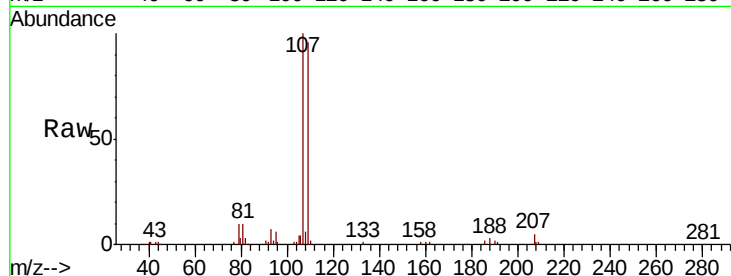
#61
 1,2-Dibromoethane
 Concen: 20.629 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0

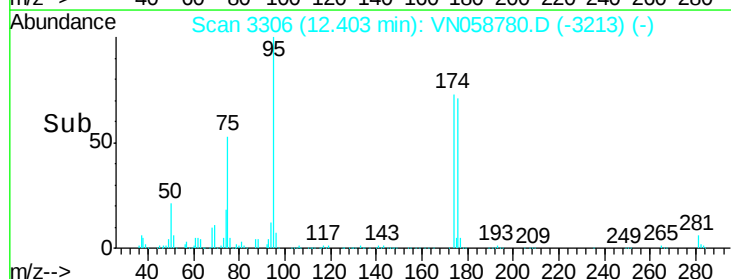
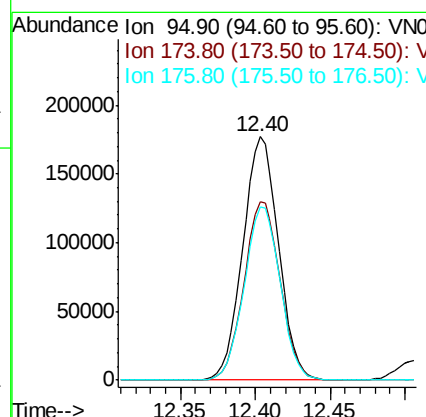
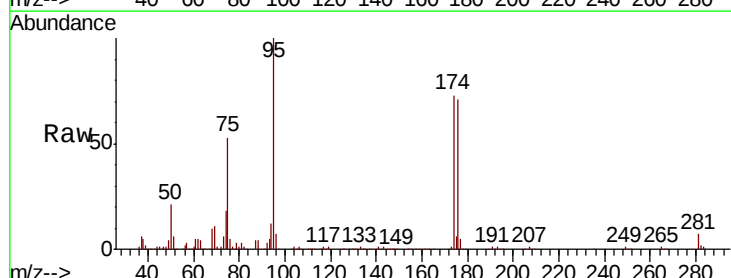
Manual Integrations
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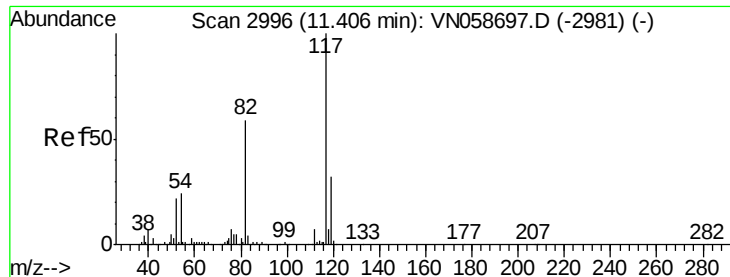
MMDadoda
 10/18/2019 12:42:40 AM



#62
 4-Bromofluorobenzene
 Concen: 48.983 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	150.4
176	72.0	0.0	146.8





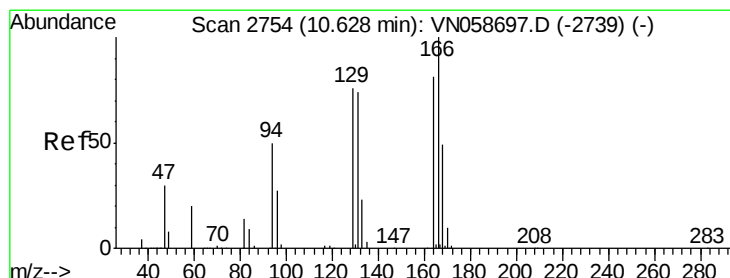
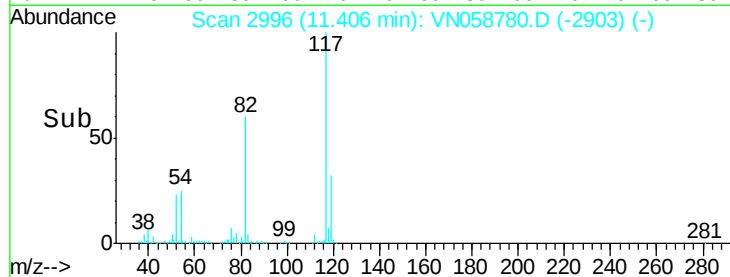
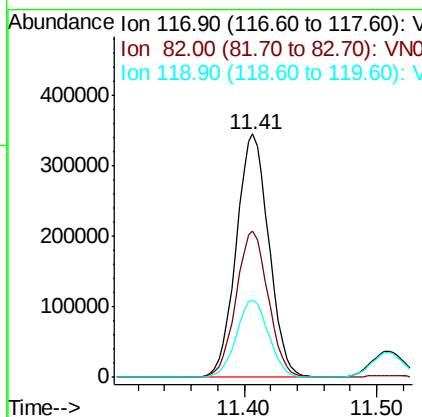
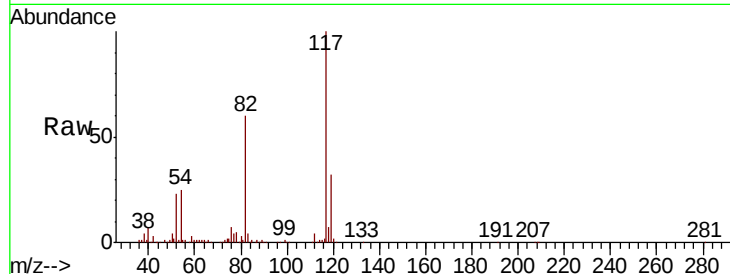
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	587394		
82	60.0		47.0	70.4
119	31.7		25.4	38.2

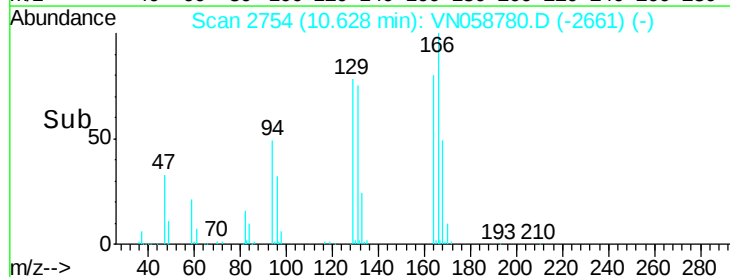
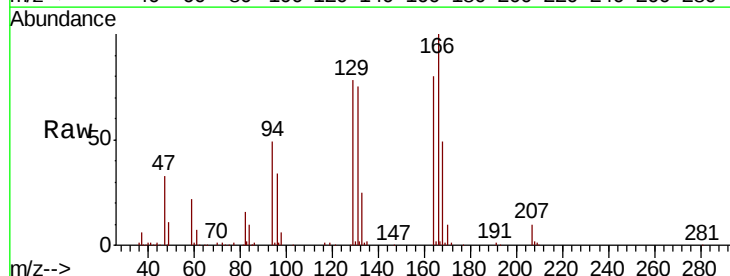
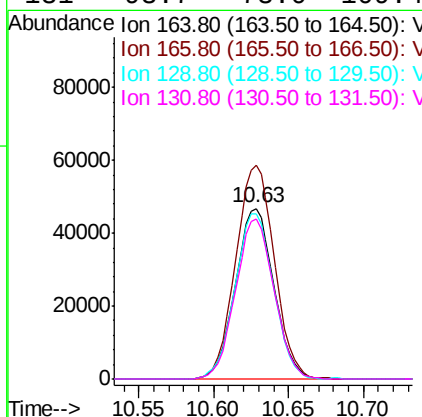
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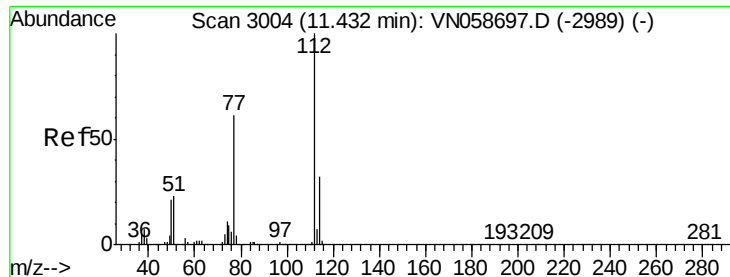
MMDadoda
10/18/2019 12:42:40 AM



#64
Tetrachloroethene
Concen: 20.342 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83620		
166	125.3		99.3	148.9
129	97.2		75.2	112.8
131	93.7		73.0	109.4





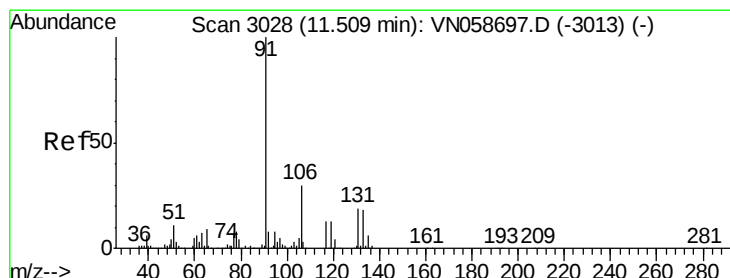
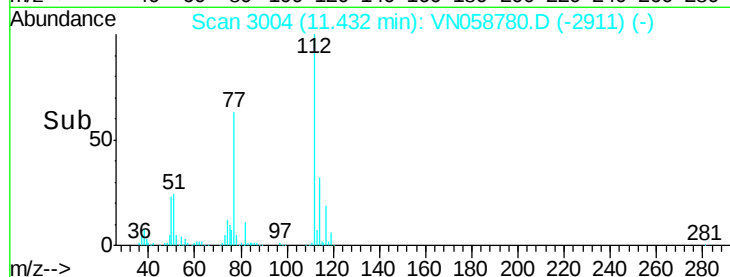
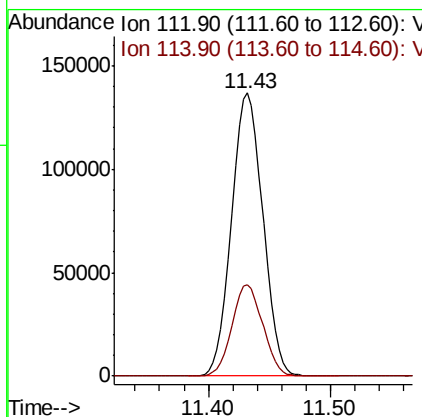
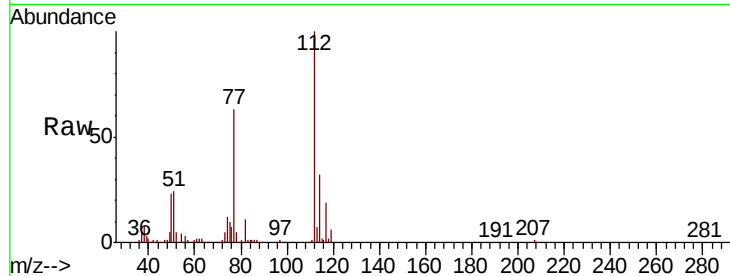
#65
Chlorobenzene
Concen: 20.508 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.2	37.8

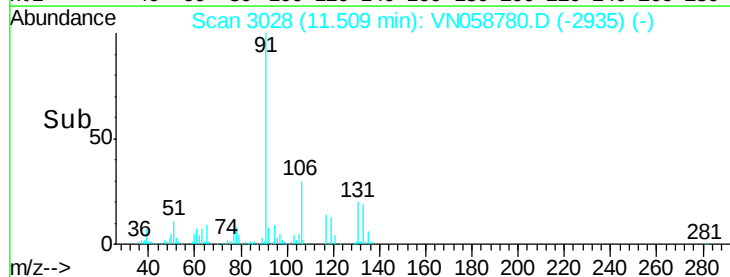
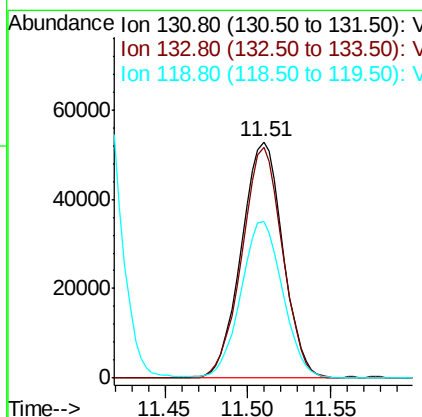
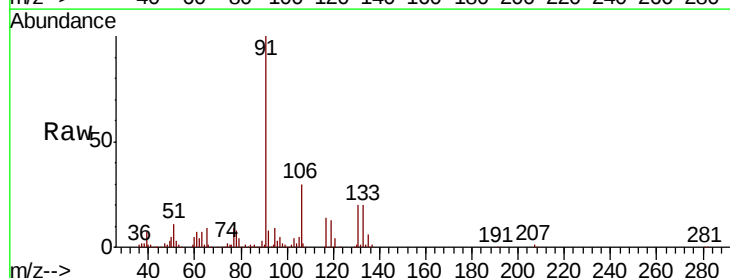
Manual Integrations
APPROVED

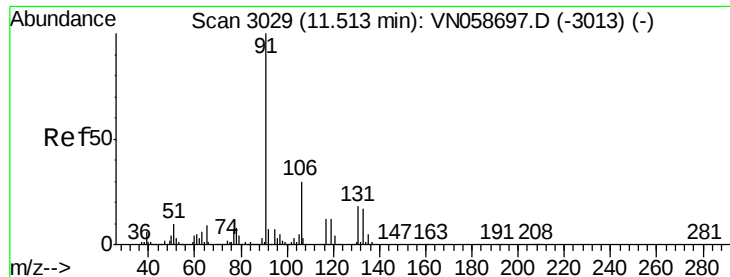
MMDadoda
10/18/2019 12:42:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.855 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.6	142.9
119	67.0	33.0	98.9





#67

Ethyl Benzene

Concen: 20.688 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion: 91 Resp: 439904

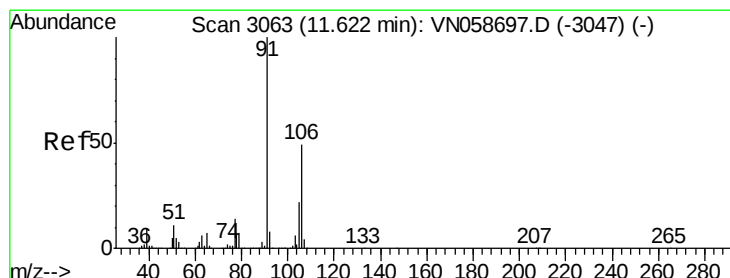
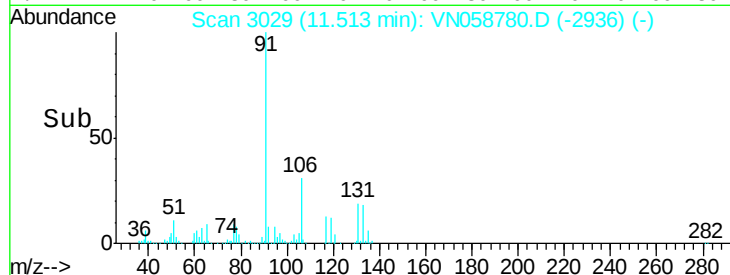
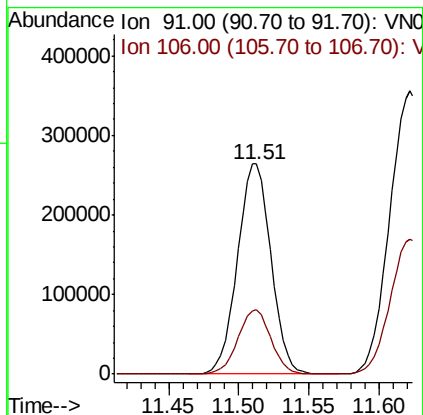
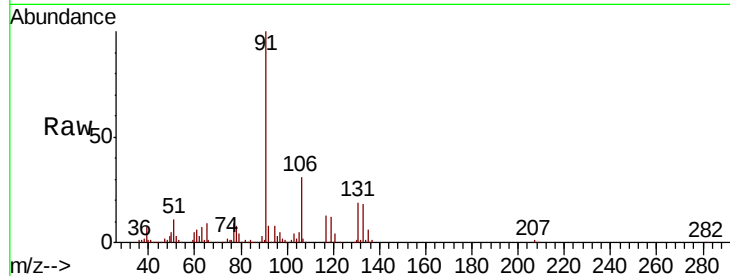
Ion Ratio Lower Upper

91 100

106 30.6 24.1 36.1

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:42:40 AM



#68

m/p-Xylenes

Concen: 40.815 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058780.D

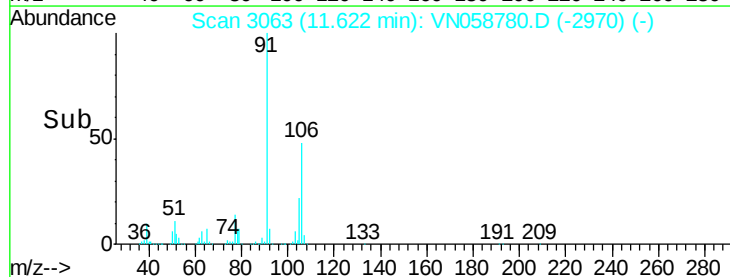
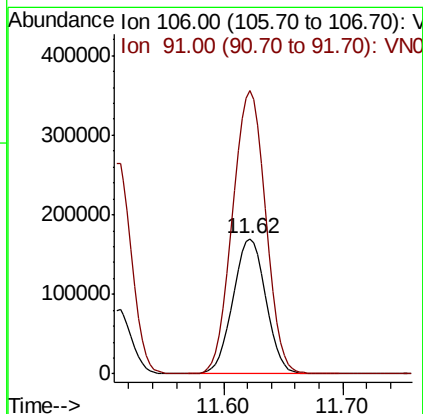
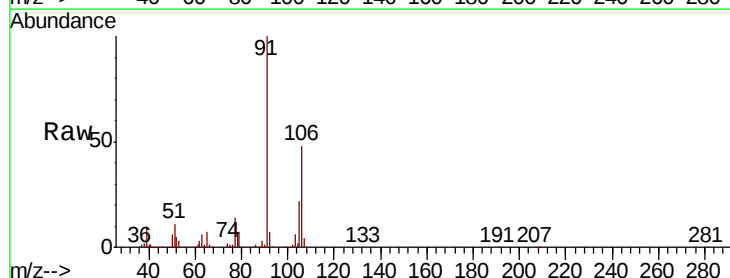
Acq: 15 Oct 2019 14:26

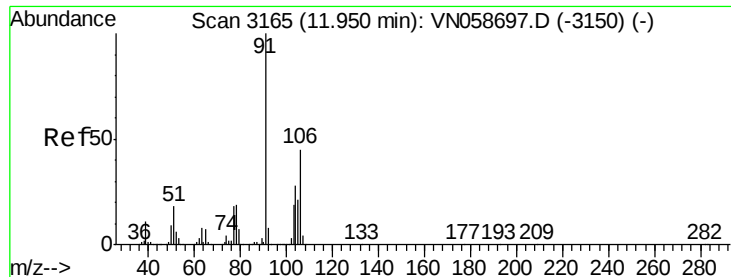
Tgt Ion: 106 Resp: 325698

Ion Ratio Lower Upper

106 100

91 210.7 165.7 248.5





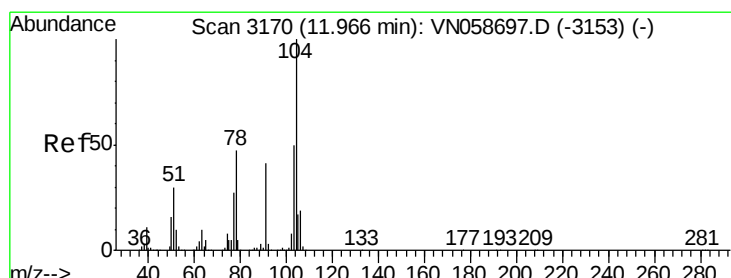
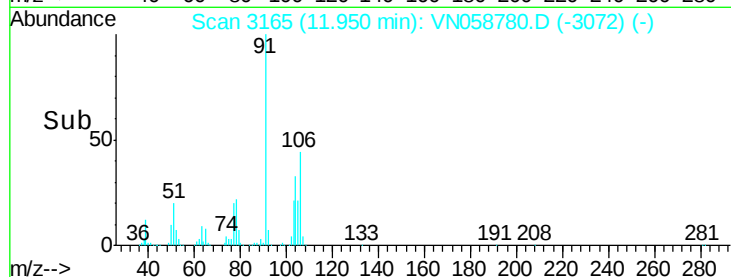
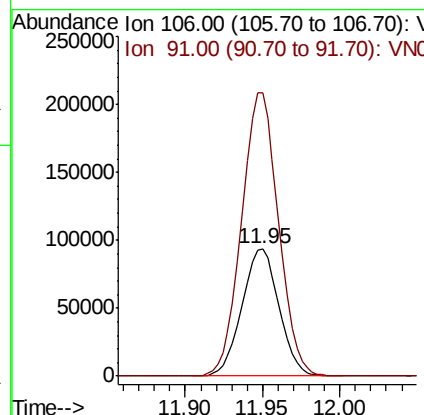
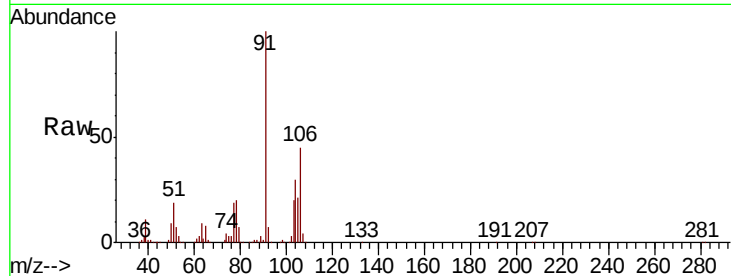
#69
o-Xylene
Concen: 20.226 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.4	110.9	332.9

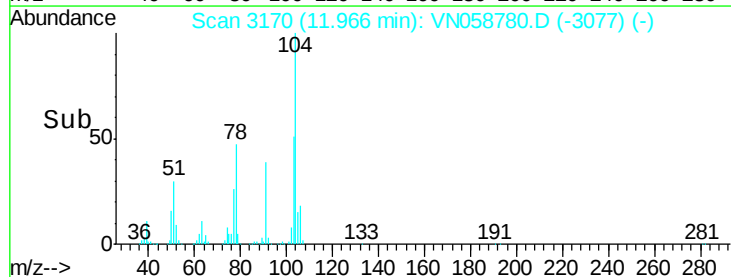
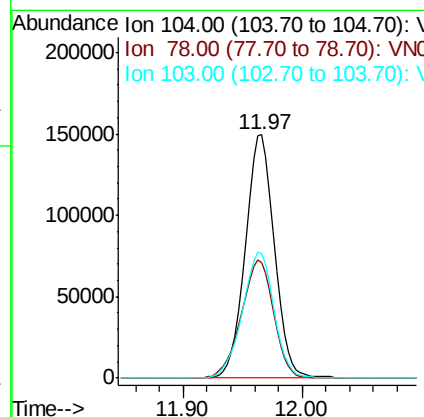
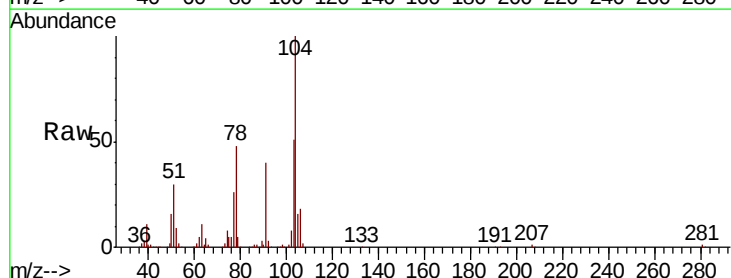
Manual Integrations
APPROVED

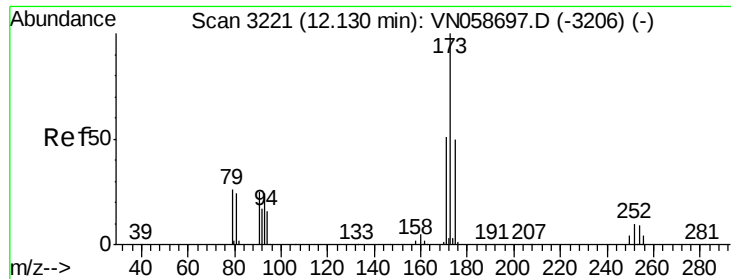
MMDadoda
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#70
Styrene
Concen: 20.025 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.2	42.2	63.2
103	56.4	43.7	65.5





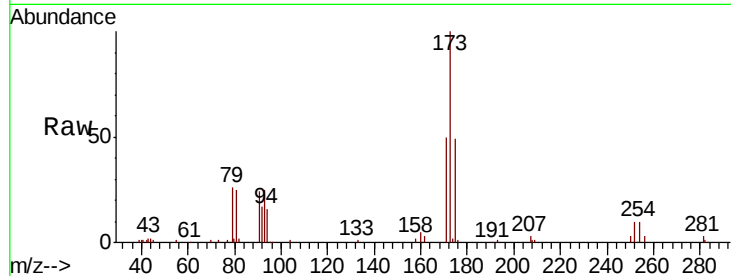
#71
Bromoform
Concen: 21.055 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.8
254	0.0	0.1	0.1#

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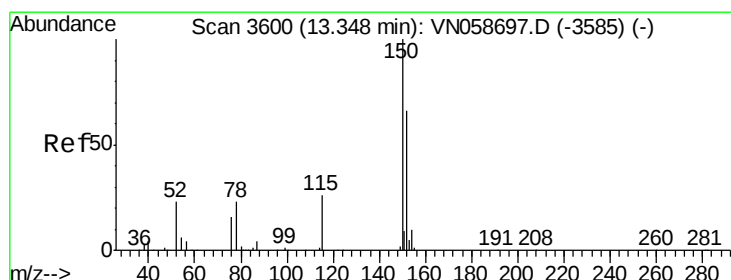
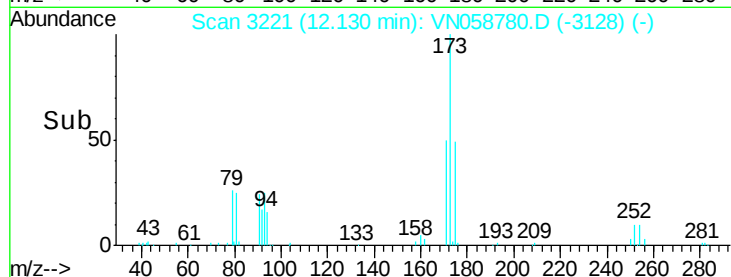
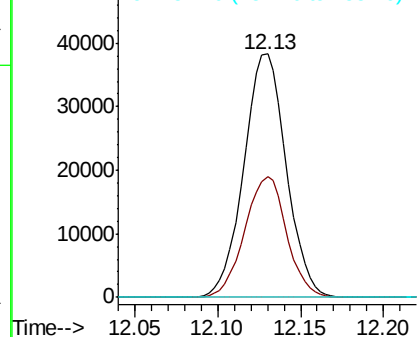


Abundance

Ion 172.70 (172.40 to 173.40): V

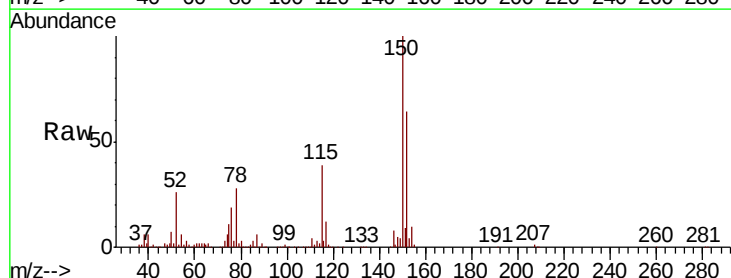
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.4	91.2
150	163.7	0.0	345.4

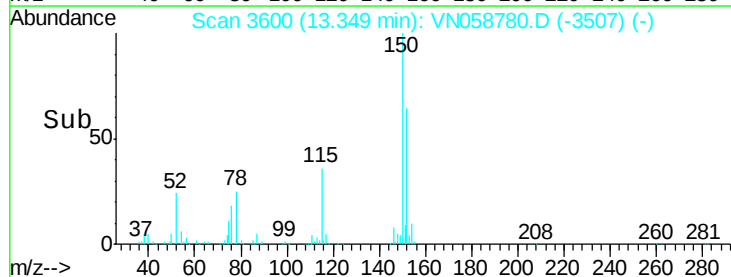
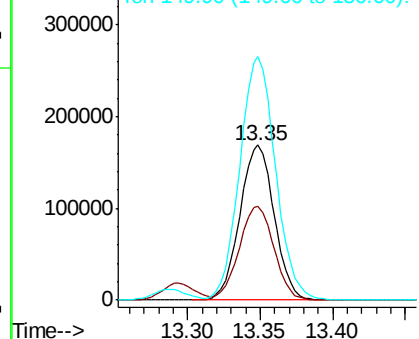


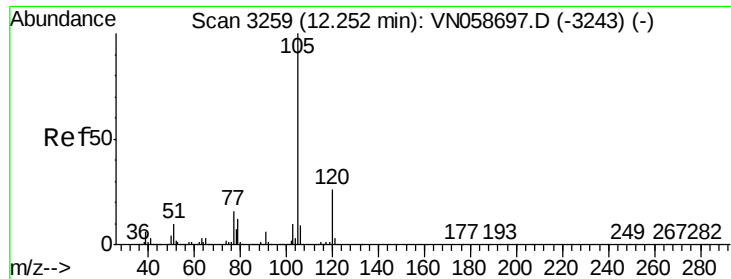
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.277 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion: 105 Resp: 427699

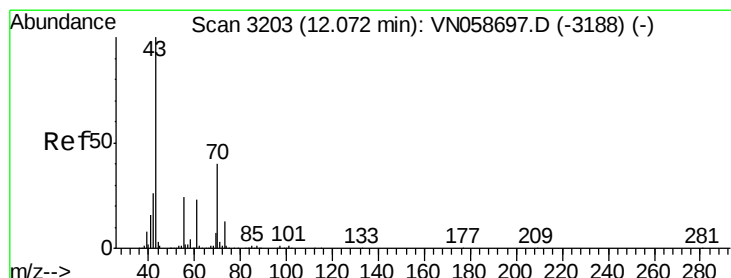
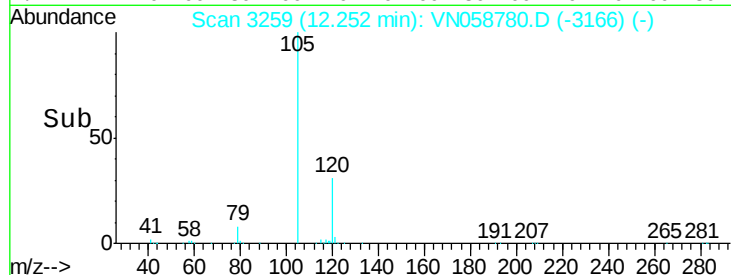
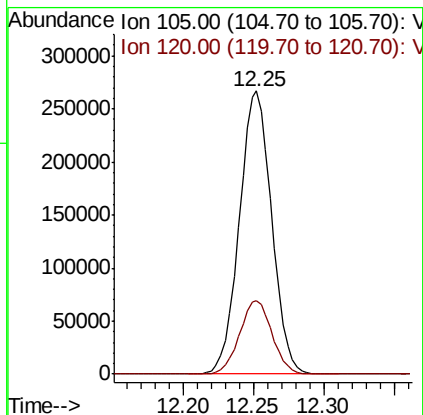
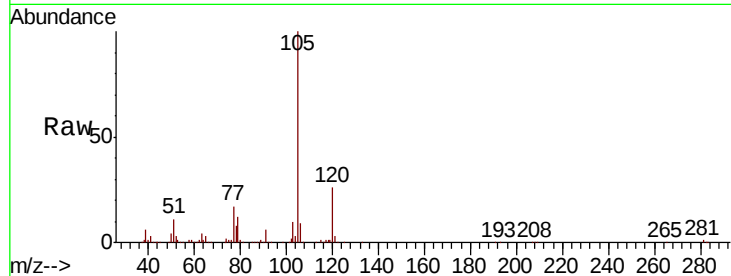
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.526 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Tgt Ion: 43 Resp: 194342

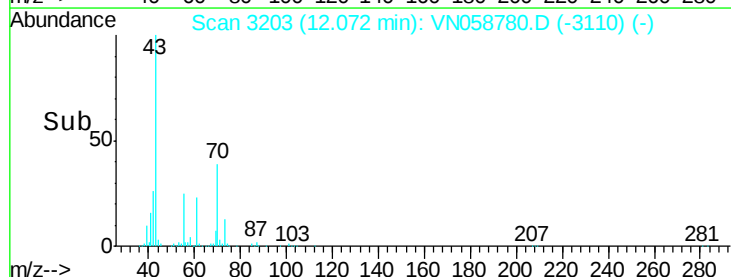
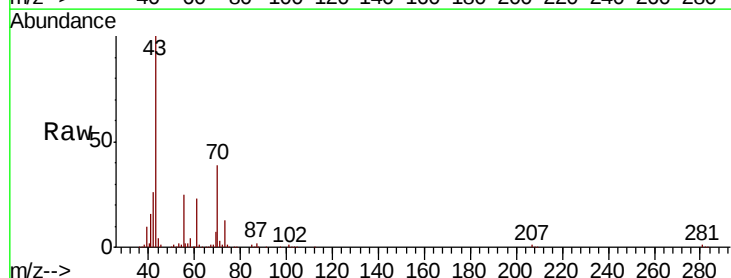
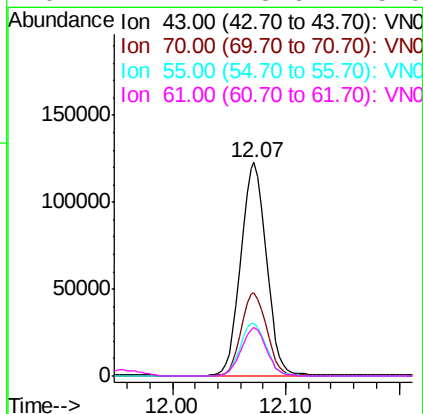
Ion Ratio Lower Upper

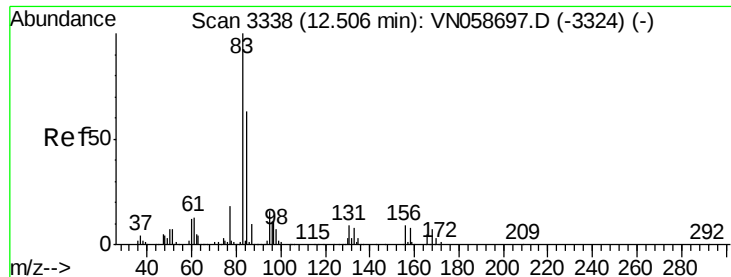
43 100

70 39.0 32.2 48.4

55 25.1 19.6 29.4

61 22.4 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.663 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

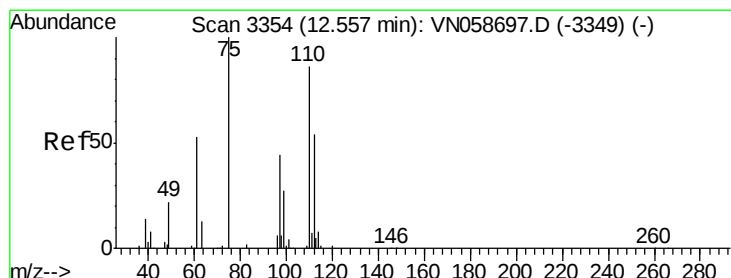
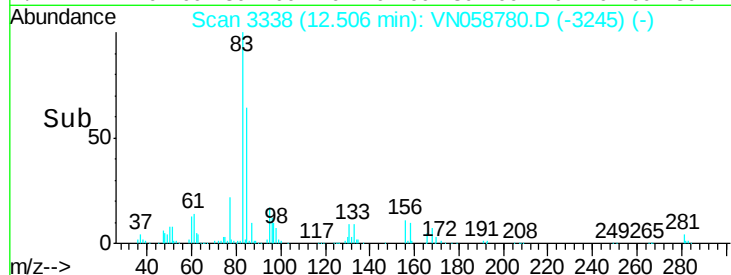
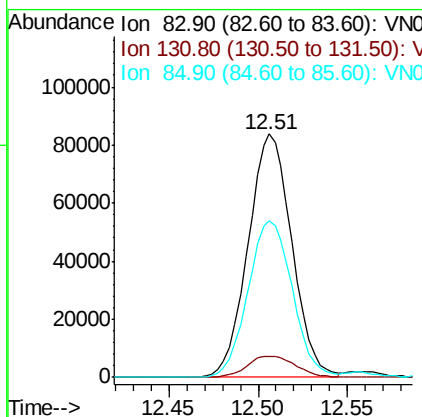
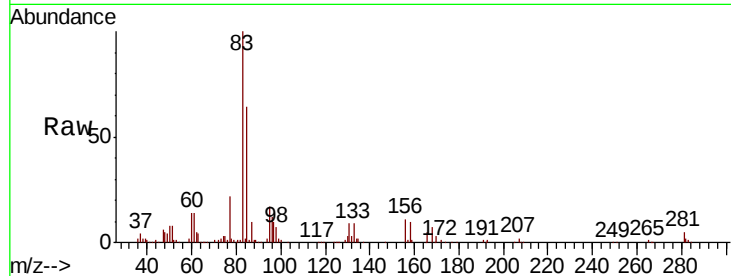
ClientSampleId :

VN1015WBSD01

Tot Ion:	83	Resp:	143454
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.4
85	65.3	31.9	95.5

Manual Integrations
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MMDadoda
10/18/2019 12:42:40 AM



#76

1,2,3-Trichloropropane

Concen: 22.298 ug/l m

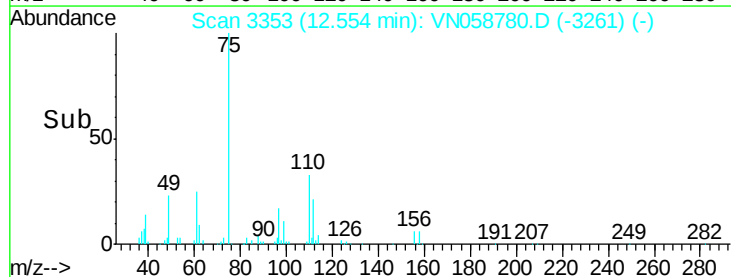
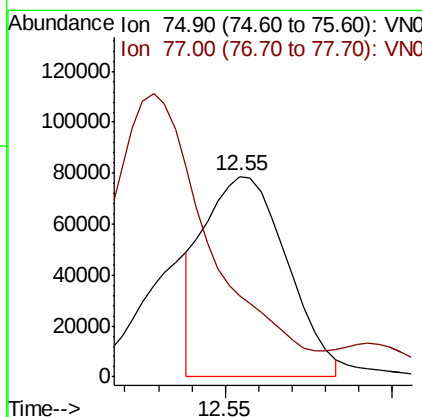
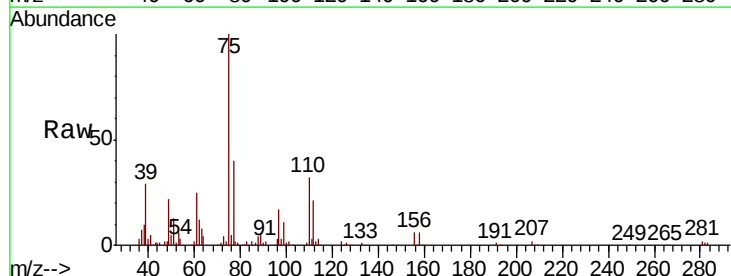
RT: 12.55 min Scan# 3353

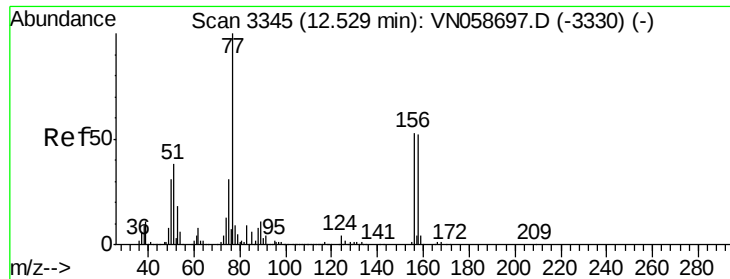
Delta R.T. -0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Tgt Ion:	75	Resp:	135773
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.166 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

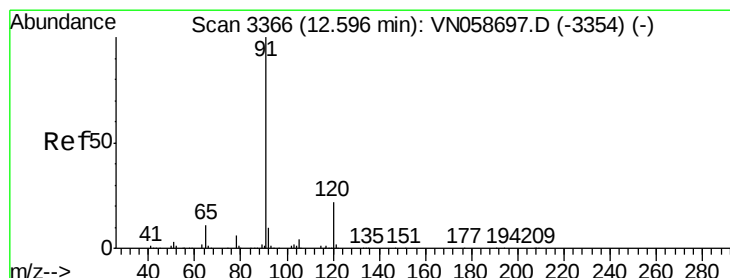
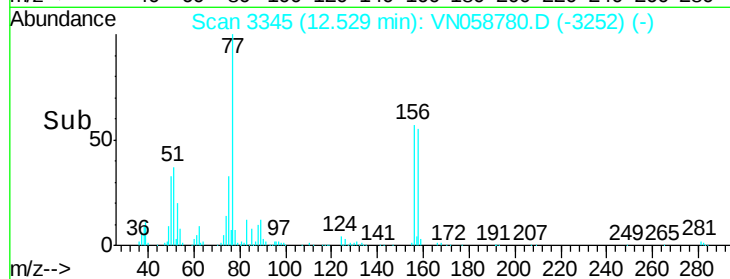
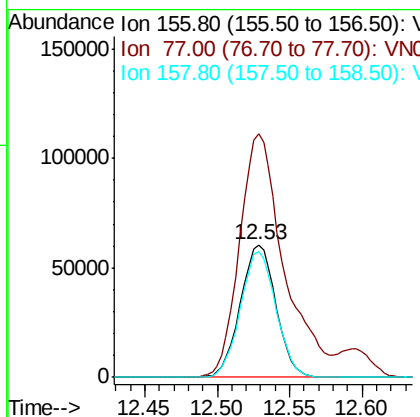
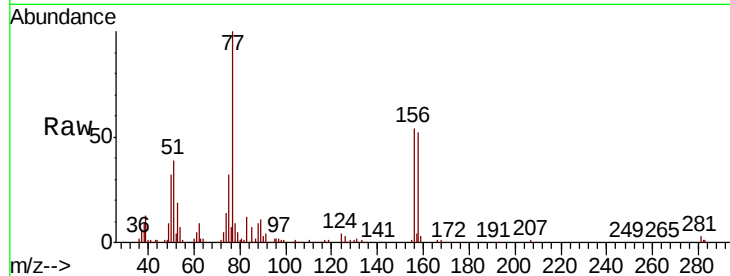
ClientSampleId :

VN1015WBSD01

Tot Ion:	156	Resp:	103487
Ion Ratio	Lower	Upper	
156	100		
77	228.3	115.8	347.3
158	95.1	48.9	146.6

Manual Integrations
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MMDadoda
10/18/2019 12:42:40 AM



#78

n-propylbenzene

Concen: 21.422 ug/l

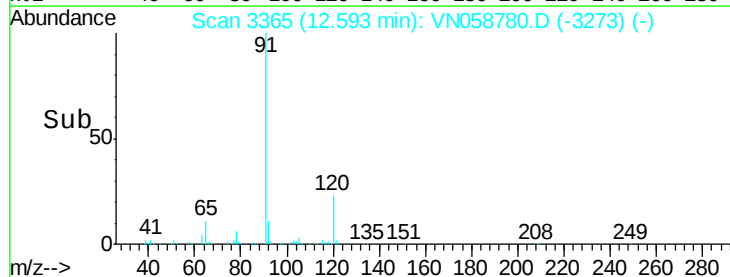
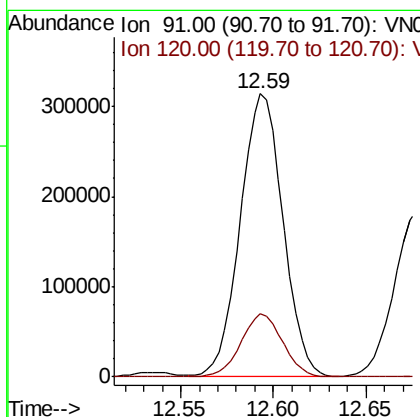
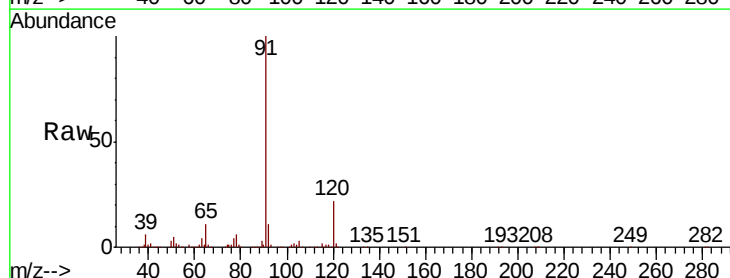
RT: 12.59 min Scan# 3365

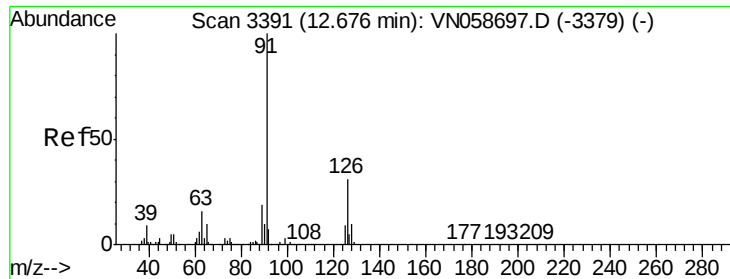
Delta R.T. -0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Tgt Ion:	91	Resp:	501778
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.1	33.3





#79

2-Chlorotoluene

Concen: 20.742 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion: 91 Resp: 301559

Ion Ratio Lower Upper

91 100

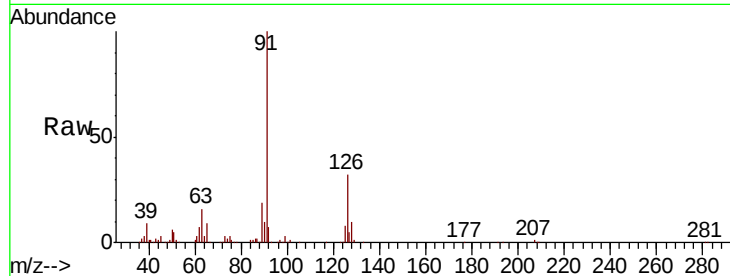
126 32.5 16.2 48.5

Manual Integrations

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MMDadoda

10/18/2019 12:42:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3379) (-)

300000

200000

100000

0

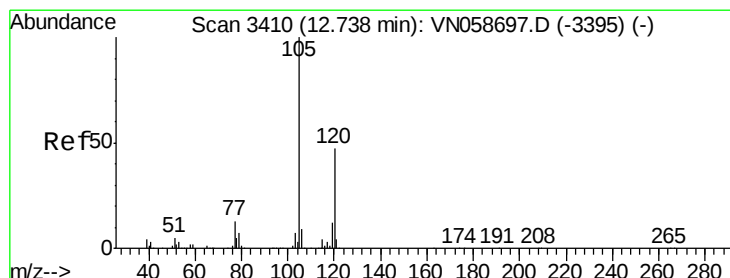
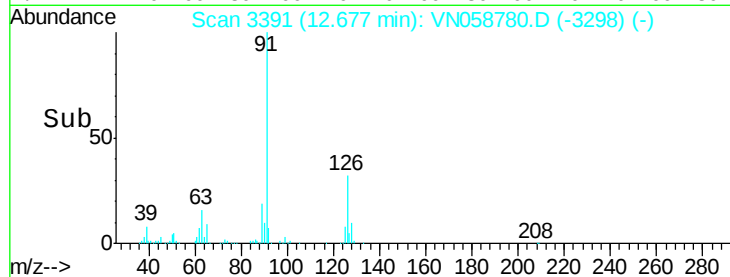
12.68

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.078 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058780.D

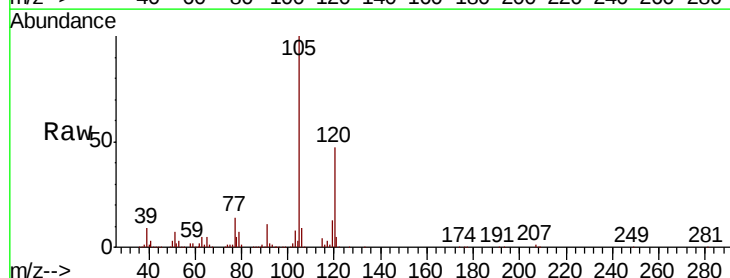
Acq: 15 Oct 2019 14:26

Tgt Ion: 105 Resp: 361728

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)

250000

200000

150000

100000

50000

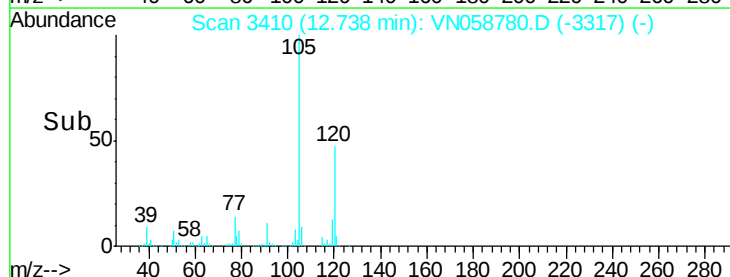
0

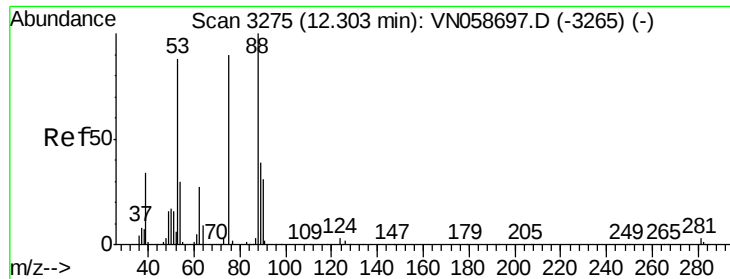
12.74

12.70

12.80

Time-->





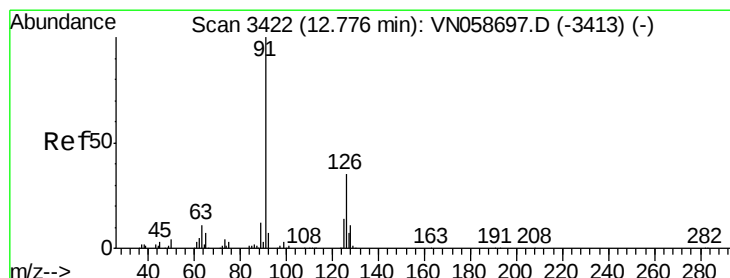
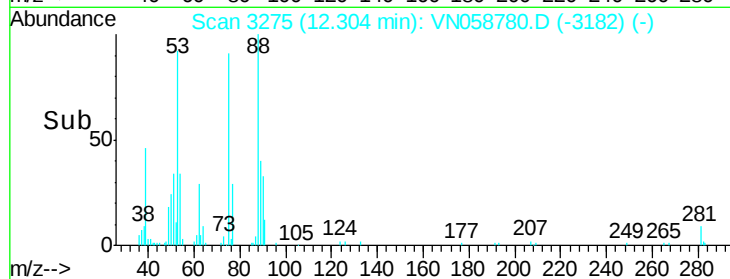
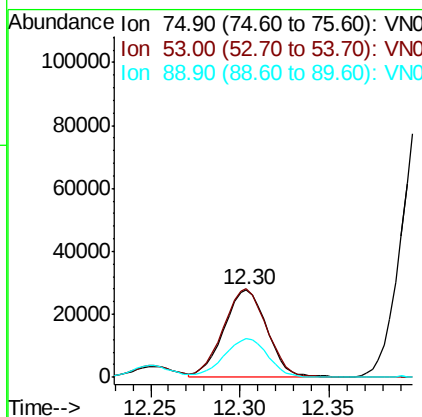
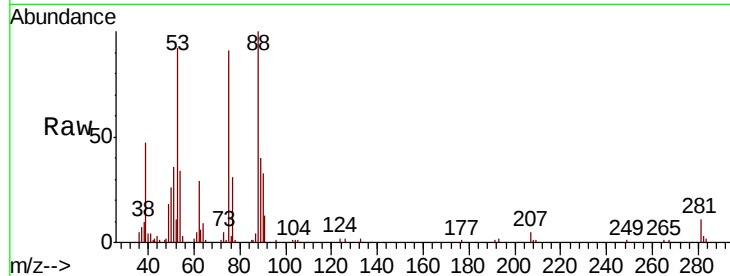
#81
trans-1,4-Dichloro-2-butene
Concen: 20.425 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.4	78.4	117.6
89	45.4	34.9	52.3

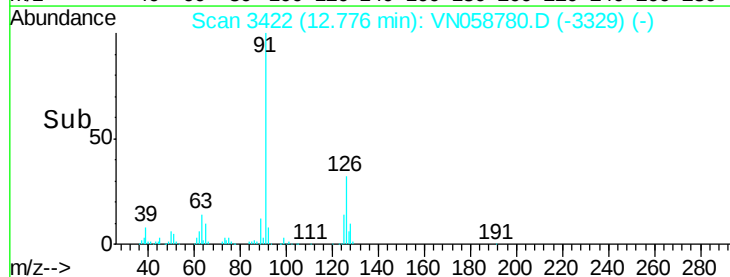
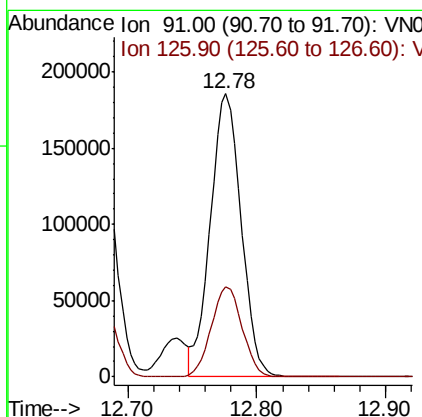
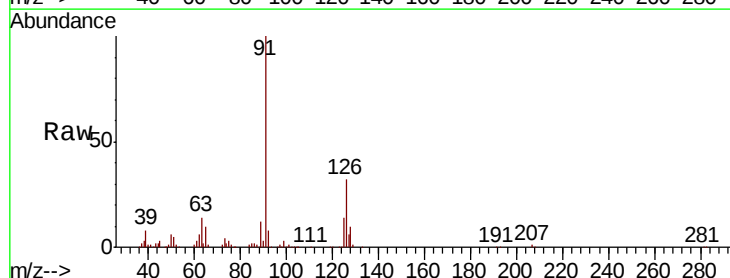
Manual Integrations
APPROVED

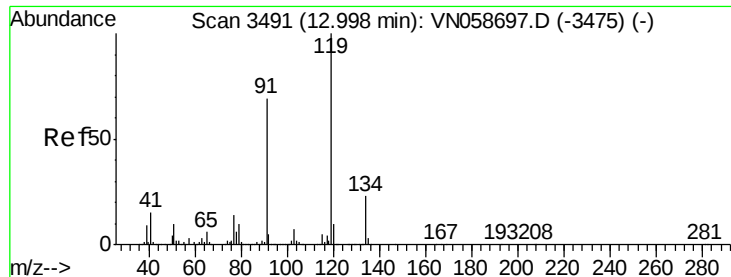
MMDadoda
10/18/2019 12:42:40 AM



#82
4-Chlorotoluene
Concen: 20.611 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.9	47.6





#83

tert-Butylbenzene

Concen: 20.850 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

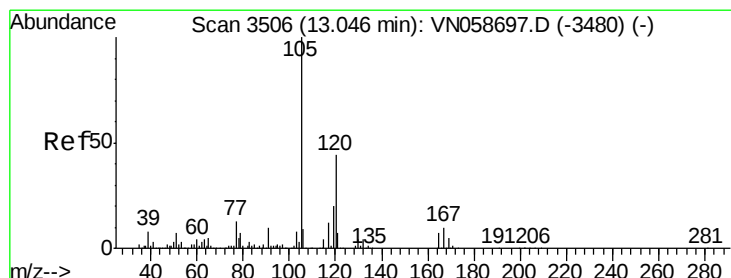
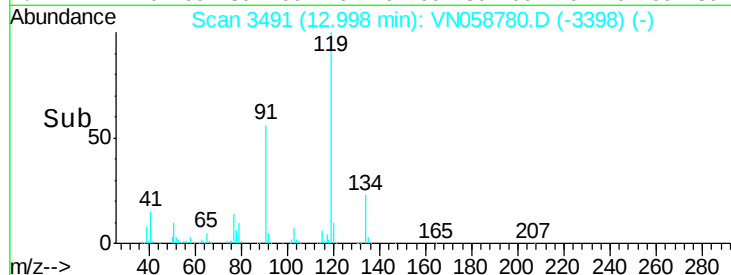
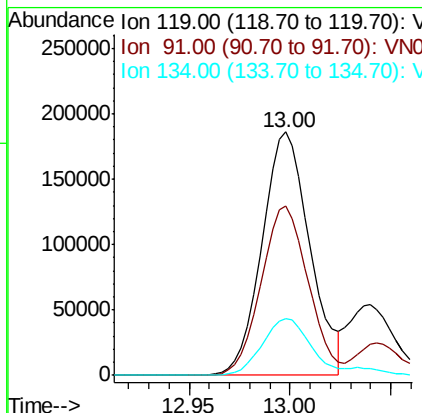
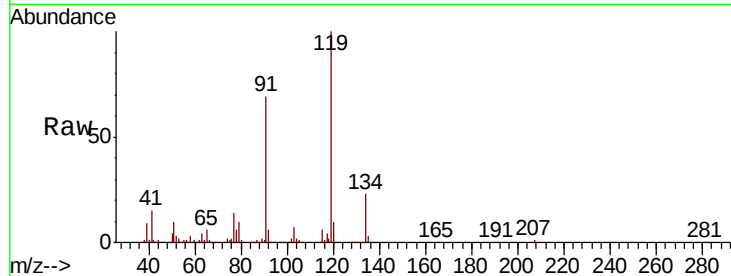
ClientSampleId :

VN1015WBSD01

Tot Ion:	119	Resp:	306536
Ion Ratio	Lower	Upper	
119	100		
91	68.9	33.8	101.3
134	23.6	12.6	37.6

Manual Integrations
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10/18/2019 12:42:40 AM



#84

1,2,4-Trimethylbenzene

Concen: 21.171 ug/l

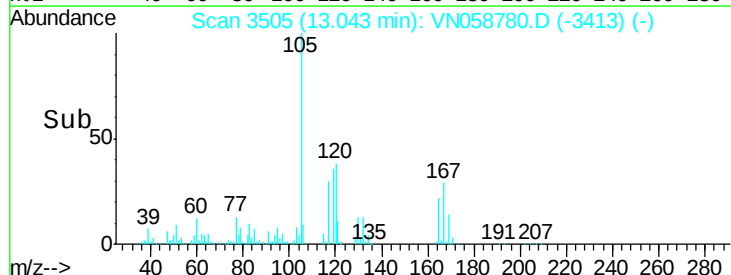
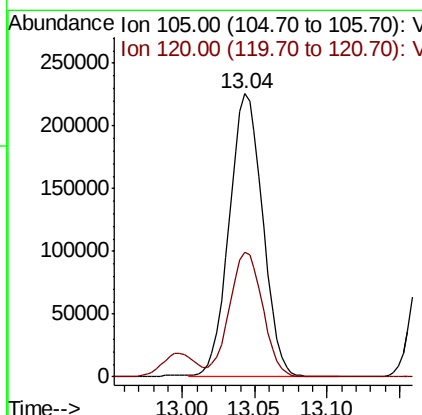
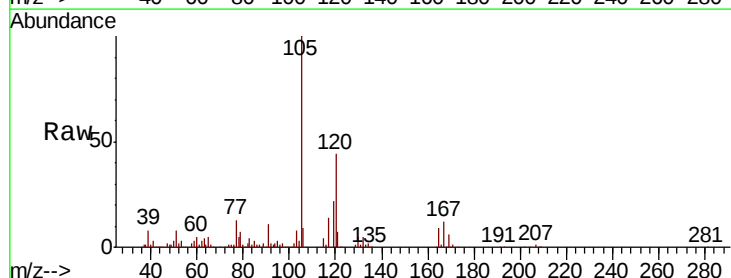
RT: 13.04 min Scan# 3505

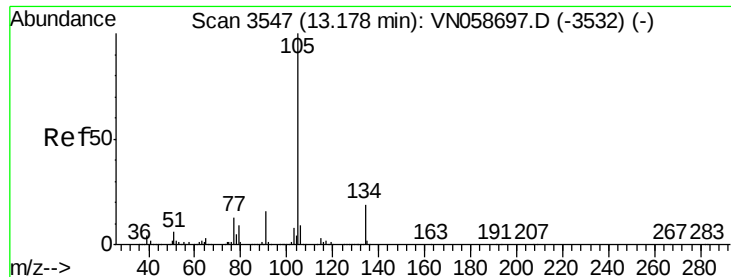
Delta R.T. -0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Tgt Ion:	105	Resp:	360682
Ion Ratio	Lower	Upper	
105	100		
120	44.1	21.9	65.7





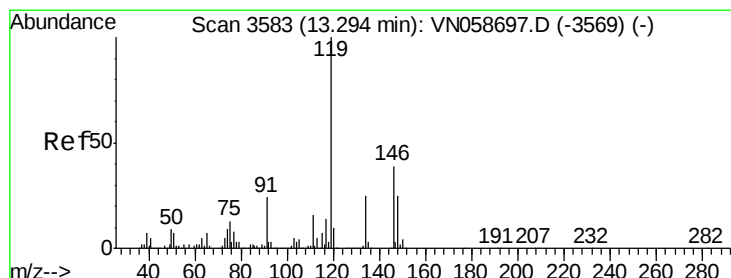
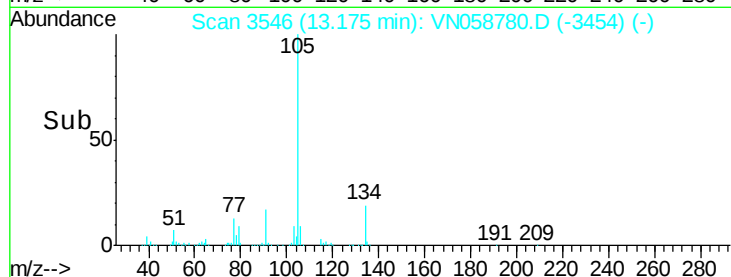
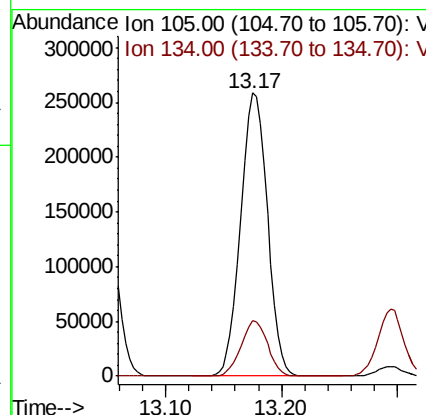
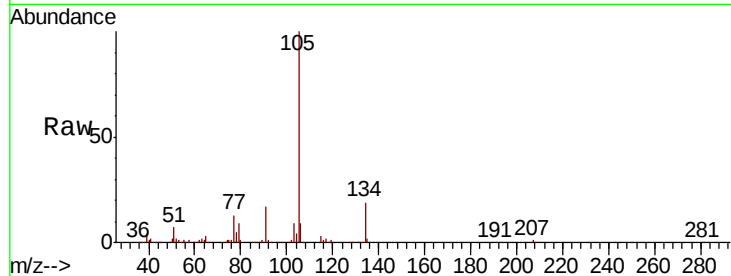
#85
 sec-Butylbenzene
 Concen: 21.357 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	413725		
134	19.4	9.7	29.1	

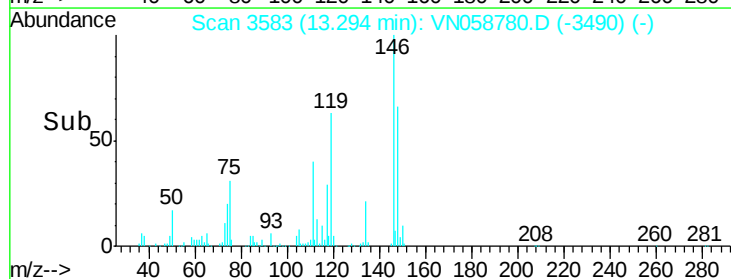
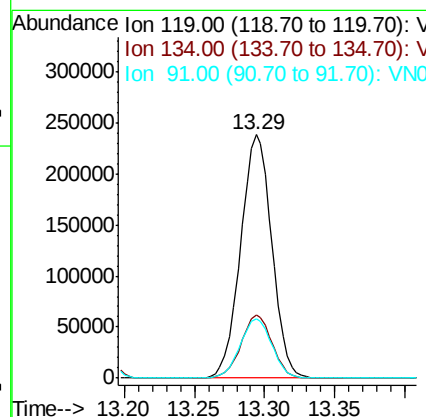
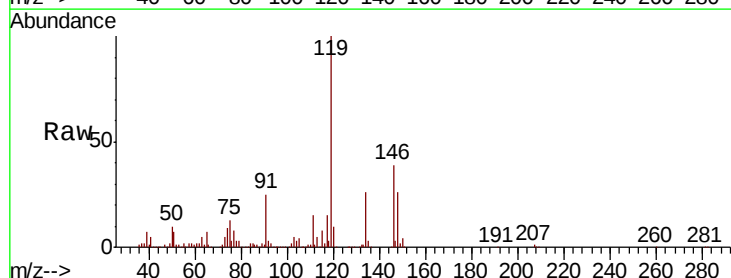
Manual Integrations
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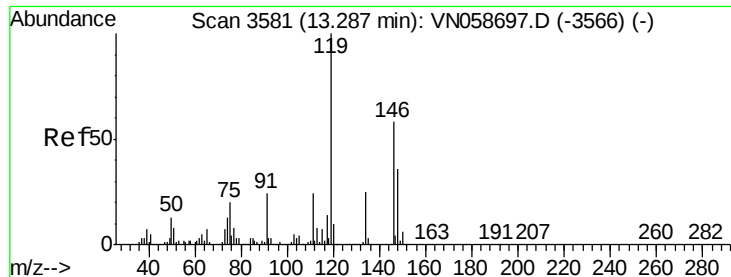
MMDadoda
 10/18/2019 12:42:40 AM



#86
 p-Isopropyltoluene
 Concen: 20.896 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	367897		
134	25.8	12.7	38.1	
91	24.8	11.9	35.5	





#87

1,3-Dichlorobenzene

Concen: 20.193 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058780.D

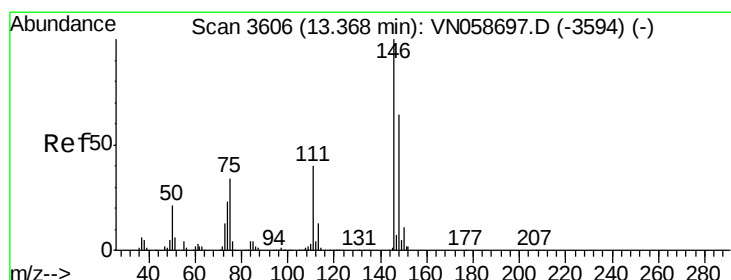
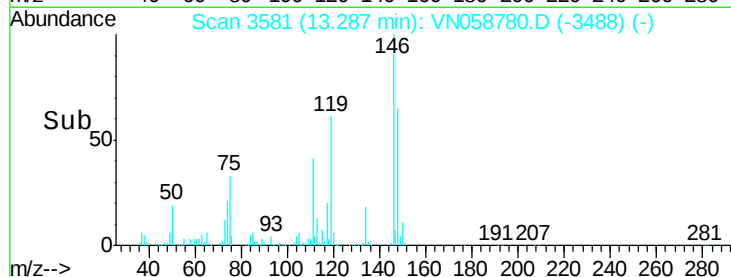
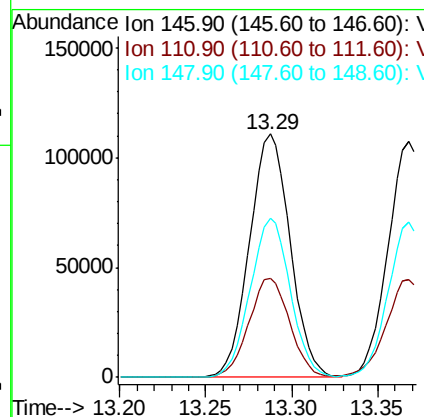
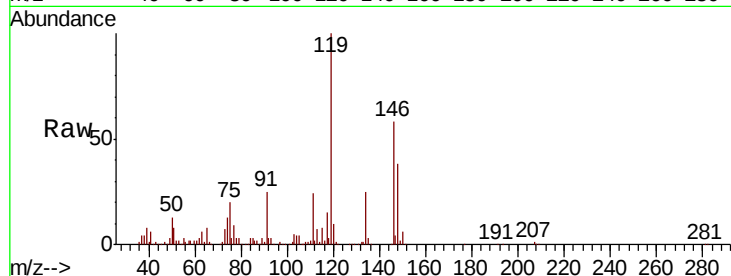
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.6
148	64.4	31.3	93.9

Manual Integrations
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MMDadoda
10/18/2019 12:42:40 AM



#88

1,4-Dichlorobenzene

Concen: 19.329 ug/l

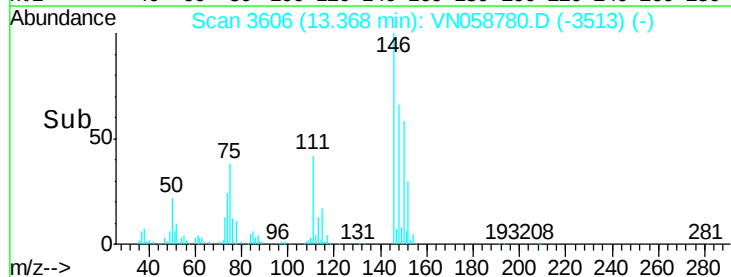
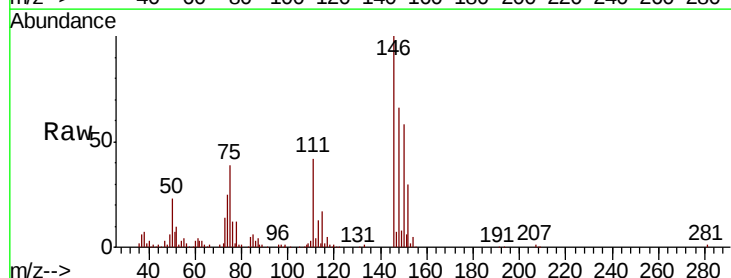
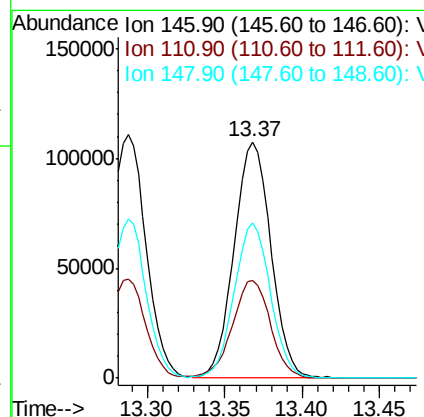
RT: 13.37 min Scan# 3606

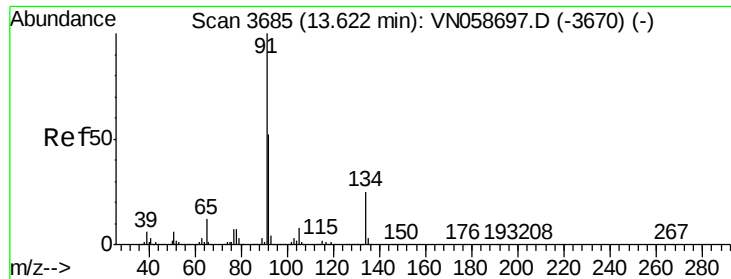
Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.1	60.2
148	64.9	31.9	95.7





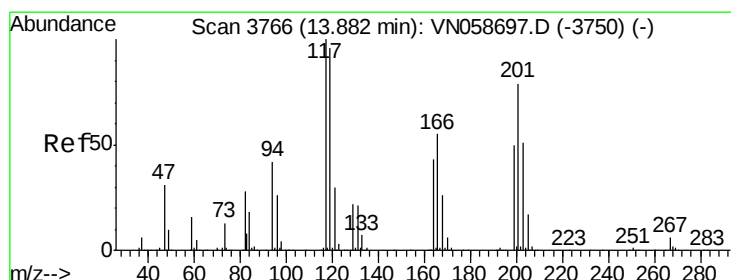
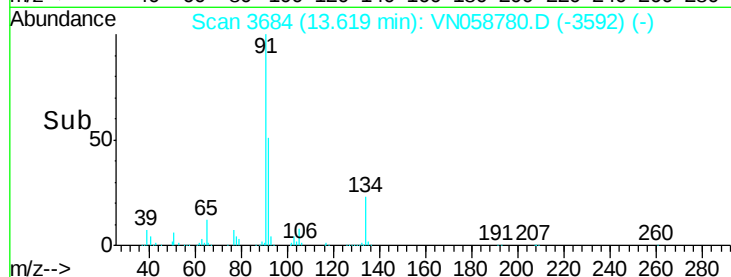
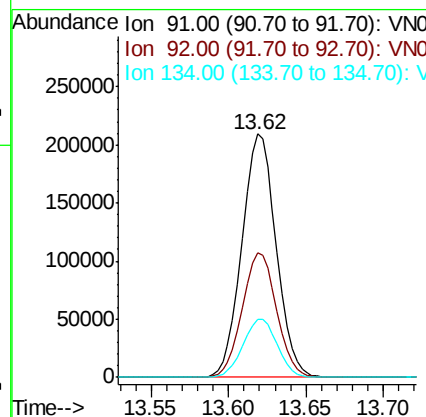
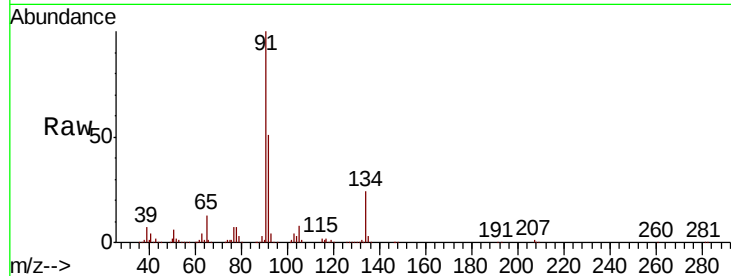
#89
n-Butylbenzene
Concen: 19.766 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	24.1	12.2	36.6

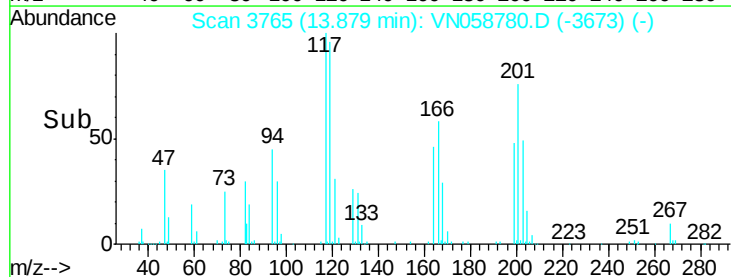
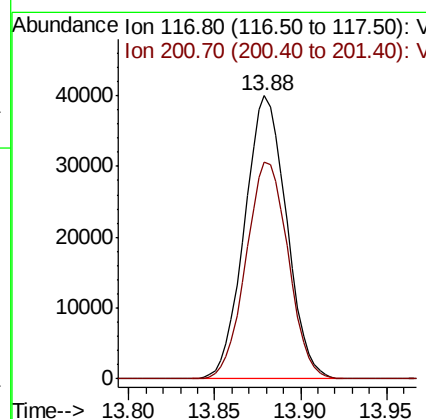
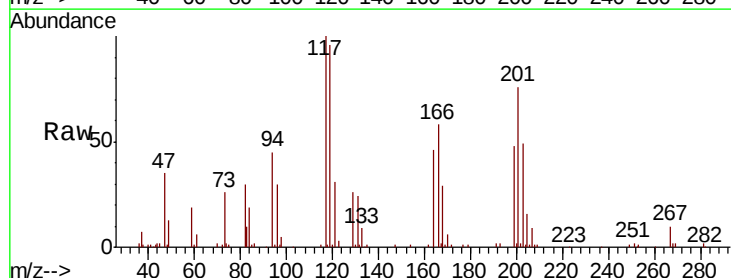
Manual Integrations
APPROVED

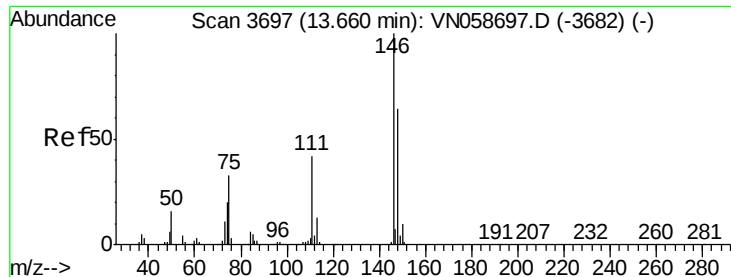
MMDadoda
10/18/2019 12:42:40 AM



#90
Hexachloroethane
Concen: 21.442 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	39.6	118.7





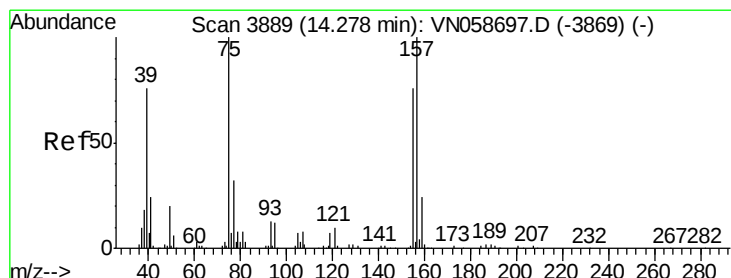
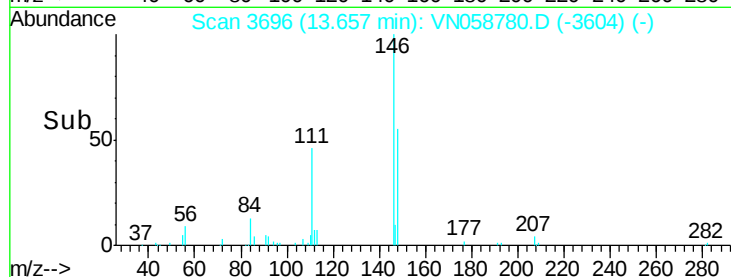
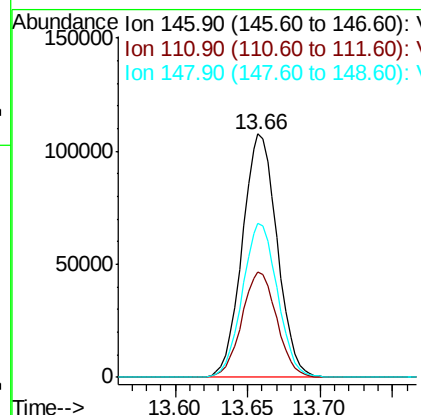
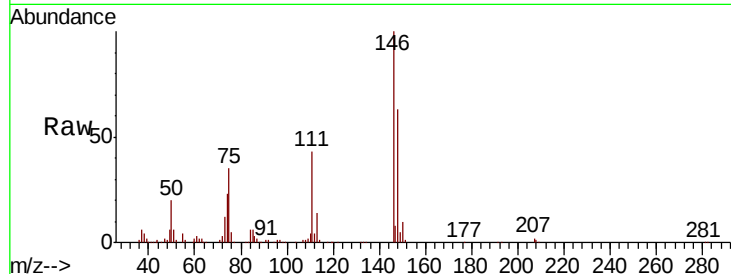
#91
 1,2-Dichlorobenzene
 Concen: 20.475 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.4
148	63.7	31.8	95.3

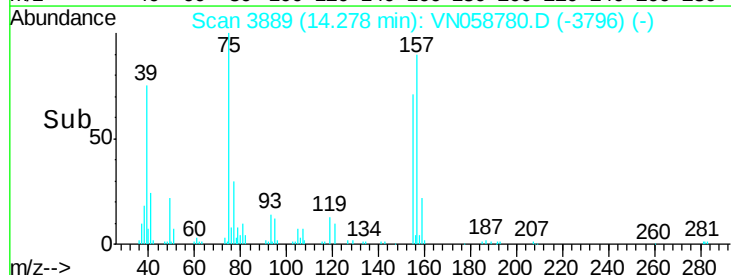
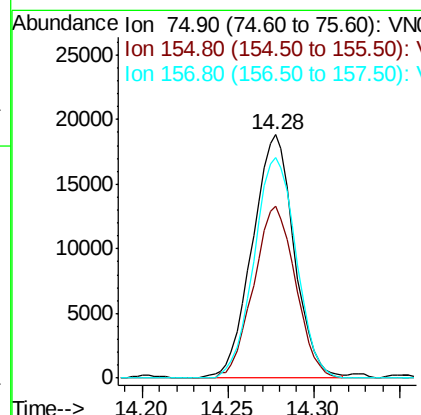
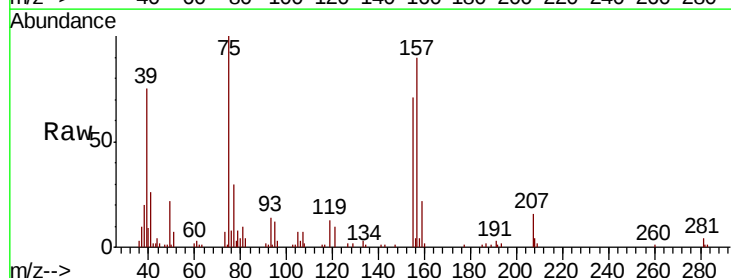
Manual Integrations
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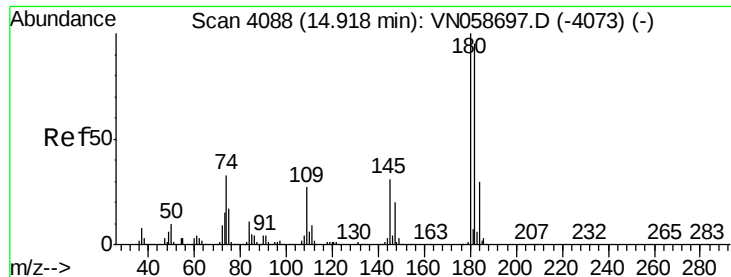
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.568 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.5	37.9	113.6
157	90.7	49.4	148.2





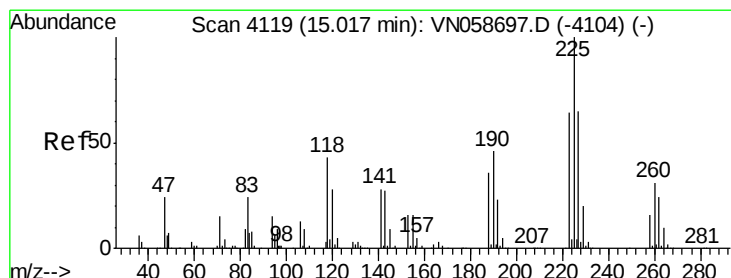
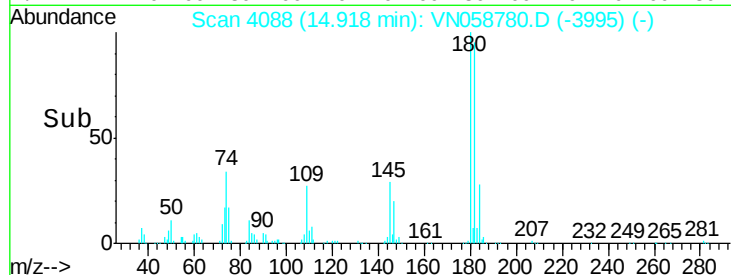
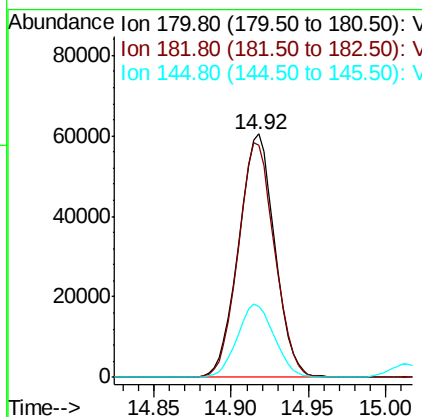
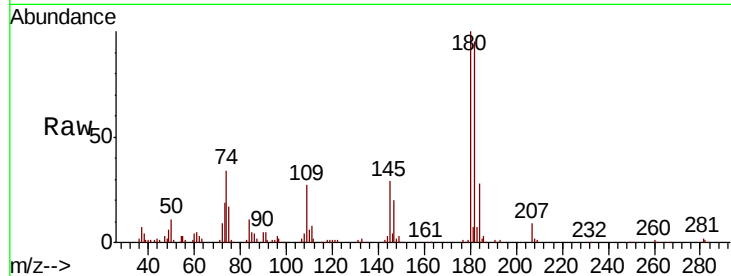
#93
 1,2,4-Trichlorobenzene
 Concen: 18.334 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.2
145	30.7	15.4	46.2

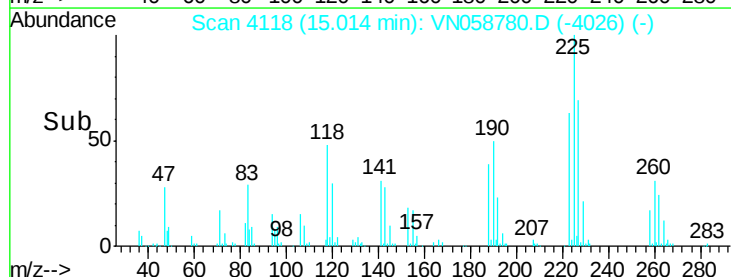
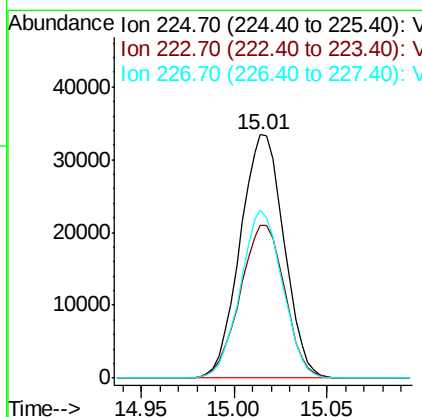
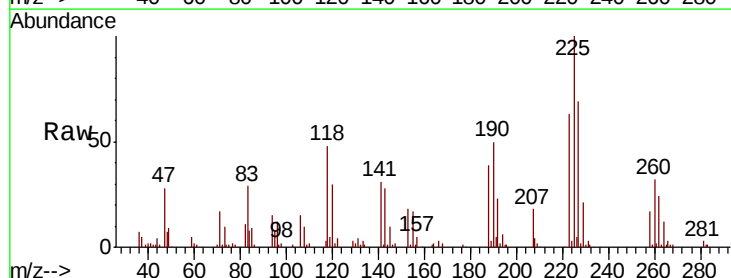
Manual Integrations
 APPROVED

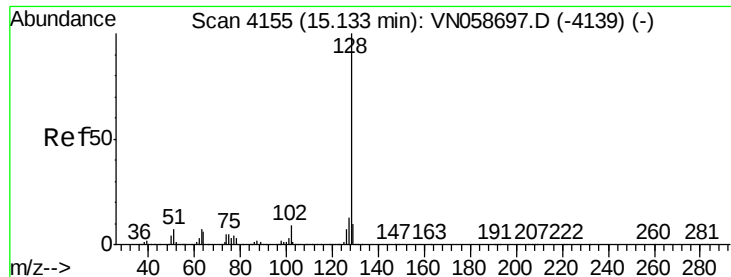
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#94
 Hexachlorobutadiene
 Concen: 19.466 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.3	96.8
227	65.9	32.4	97.0





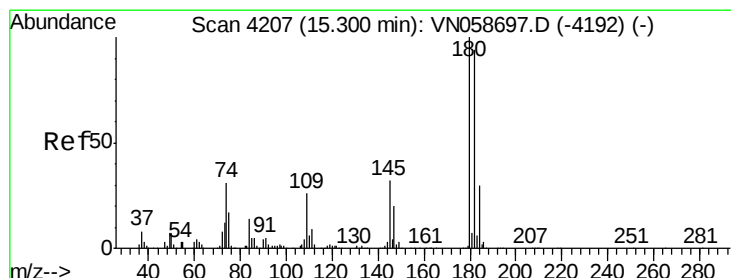
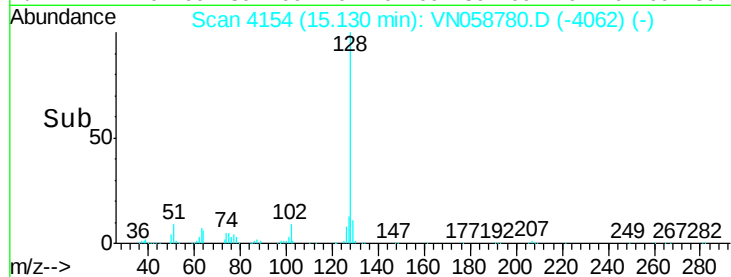
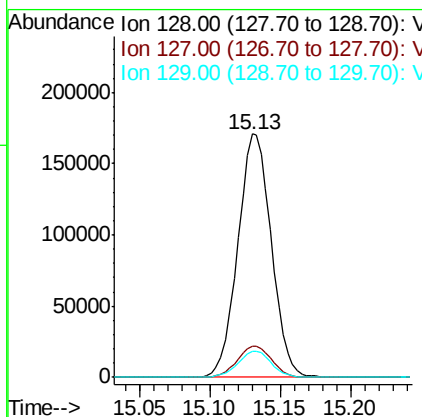
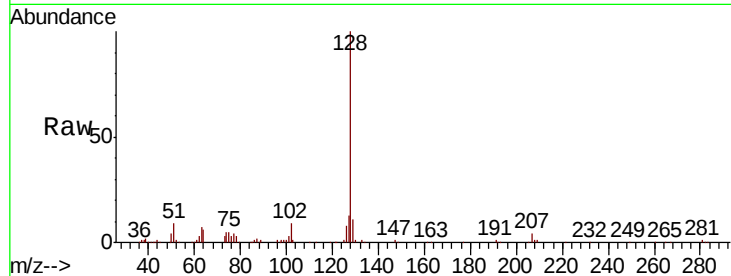
#95
Naphthalene
Concen: 18.478 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	284698		
127	13.1	10.2	15.4	
129	10.8	8.5	12.7	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.830 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98556		
182	94.1	47.3	142.0	
145	33.2	16.2	48.6	

