

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100219\
 Data File : VN058478.D
 Acq On : 2 Oct 2019 16:38
 Operator : JC/SP
 Sample : VN1002WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 1:35:43 PM

Quant Time: Oct 03 05:31:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	336100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	580332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	263906	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
35) Dibromofluoromethane	7.57	113	191073	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
50) Toluene-d8	10.08	98	702075	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.41	95	248882	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	76714	20.816	ug/l 98
3) Chloromethane	2.03	50	88746	21.904	ug/l 100
4) Vinyl Chloride	2.17	62	85618	21.572	ug/l 99
5) Bromomethane	2.55	94	45078	21.383	ug/l 98
6) Chloroethane	2.68	64	55005	23.130	ug/l 98
7) Trichlorofluoromethane	3.00	101	103058	21.517	ug/l 98
8) Diethyl Ether	3.39	74	44298	21.436	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70591	21.702	ug/l 96
10) Methyl Iodide	3.93	142	69400	19.241	ug/l 98
11) Tert butyl alcohol	4.76	59	72235	132.387	ug/l 100
12) 1,1-Dichloroethene	3.72	96	66460	20.961	ug/l 99
13) Acrolein	3.59	56	21985	126.682	ug/l 100
14) Allyl chloride	4.30	41	123096	21.334	ug/l 99
15) Acrylonitrile	4.96	53	196060	123.291	ug/l 100
16) Acetone	3.80	43	197661	118.056	ug/l 100
17) Carbon Disulfide	4.03	76	166724	19.948	ug/l 99
18) Methyl Acetate	4.31	43	98577	23.409	ug/l 99
19) Methyl tert-butyl Ether	5.02	73	241457	21.584	ug/l 100
20) Methylene Chloride	4.53	84	79775	20.647	ug/l 94
21) trans-1,2-Dichloroethene	5.01	96	75569	21.433	ug/l 93
22) Diisopropyl ether	5.93	45	271669	21.880	ug/l 92
23) Vinyl Acetate	5.87	43	1104548	117.979	ug/l 100
24) 1,1-Dichloroethane	5.83	63	153748	22.002	ug/l 99
25) 2-Butanone	6.82	43	278270	121.052	ug/l 97
26) 2,2-Dichloropropane	6.81	77	118313	20.594	ug/l 100
27) cis-1,2-Dichloroethene	6.81	96	86960	21.103	ug/l 99
28) Bromochloromethane	7.18	49	63035	22.567	ug/l 96
29) Tetrahydrofuran	7.19	42	180537	123.740	ug/l 99
30) Chloroform	7.36	83	154925	21.878	ug/l 99
31) Cyclohexane	7.64	56	141378	20.799	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	129935	22.345	ug/l 98
36) 1,1-Dichloropropene	7.78	75	112929	20.351	ug/l 98
37) Ethyl Acetate	6.91	43	117804	25.040	ug/l 99
38) Carbon Tetrachloride	7.76	117	107549	21.472	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	129096	19.922	ug/l	95
40) Benzene	8.03	78	333886	20.932	ug/l	100
41) Methacrylonitrile	7.15	41	49909	23.059	ug/l #	72
42) 1,2-Dichloroethane	8.11	62	133001	21.432	ug/l	100
43) Isopropyl Acetate	8.15	43	181660	20.533	ug/l #	90
44) Trichloroethene	8.82	130	81987	20.817	ug/l	98
45) 1,2-Dichloropropane	9.11	63	92163	21.544	ug/l	96
46) Dibromomethane	9.20	93	60536	22.345	ug/l	94
47) Bromodichloromethane	9.40	83	114816	22.369	ug/l	100
48) Methyl methacrylate	9.19	41	92057	22.852	ug/l	99
49) 1,4-Dioxane	9.19	88	33207	616.476	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	573552	126.210	ug/l	98
52) Toluene	10.15	92	202040	20.124	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	118821	21.268	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	132720	21.401	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	81640	22.332	ug/l	98
56) Ethyl methacrylate	10.43	69	121590	21.919	ug/l	100
57) 1,3-Dichloropropane	10.71	76	145403	22.299	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	234384	105.965	ug/l	100
59) 2-Hexanone	10.75	43	409044	123.615	ug/l	99
60) Dibromochloromethane	10.90	129	78356	20.371	ug/l	98
61) 1,2-Dibromoethane	11.00	107	81609	21.848	ug/l	98
64) Tetrachloroethene	10.63	164	67979	20.748	ug/l	99
65) Chlorobenzene	11.44	112	211822	20.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	74590	21.596	ug/l	99
67) Ethyl Benzene	11.51	91	394382	21.240	ug/l	98
68) m/p-Xylenes	11.63	106	279573	40.020	ug/l	94
69) o-Xylene	11.95	106	136945	20.364	ug/l	97
70) Styrene	11.97	104	231854	21.222	ug/l	99
71) Bromoform	12.13	173	47322	20.246	ug/l #	100
73) Isopropylbenzene	12.26	105	375438	21.523	ug/l	99
74) N-amyl acetate	12.08	43	151802	21.875	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	120100	23.284	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	99243m	23.020	ug/l	
77) Bromobenzene	12.53	156	84091	20.560	ug/l	93
78) n-propylbenzene	12.60	91	436659	22.220	ug/l	99
79) 2-Chlorotoluene	12.68	91	255638	21.075	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	315333	21.596	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	28987	20.421	ug/l	91
82) 4-Chlorotoluene	12.78	91	261763	21.149	ug/l	100
83) tert-Butylbenzene	13.00	119	266838	21.657	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	310947	21.255	ug/l	100
85) sec-Butylbenzene	13.18	105	361476	22.290	ug/l	100
86) p-Isopropyltoluene	13.30	119	317405	22.235	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	149591	20.170	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	146259	19.822	ug/l	97
89) n-Butylbenzene	13.62	91	276995	21.421	ug/l	99
90) Hexachloroethane	13.88	117	50174	23.394	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	151872	21.313	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	21586	23.732	ug/l	94

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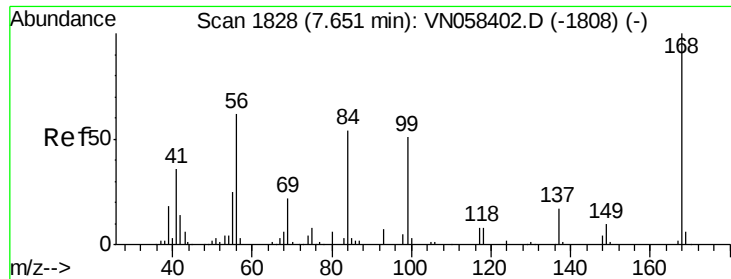
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	81820	20.779	ug/l	100
94) Hexachlorobutadiene	15.02	225	43866	21.674	ug/l	97
95) Naphthalene	15.14	128	221779	19.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	79909	20.226	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion:168 Resp: 336100

Ion Ratio Lower Upper

168 100

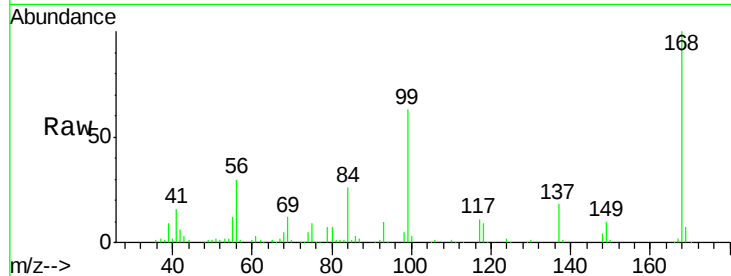
99 62.3 47.7 71.5

Manual Integrations

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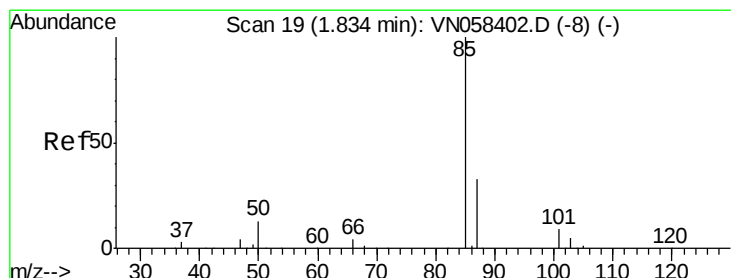
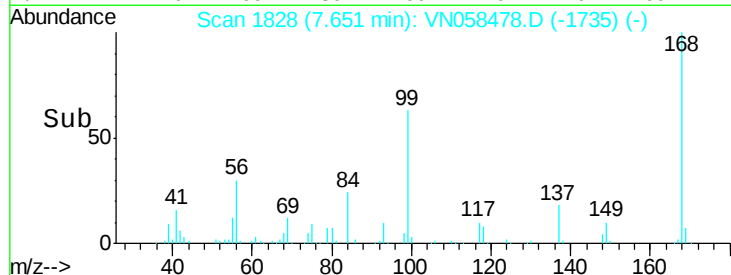
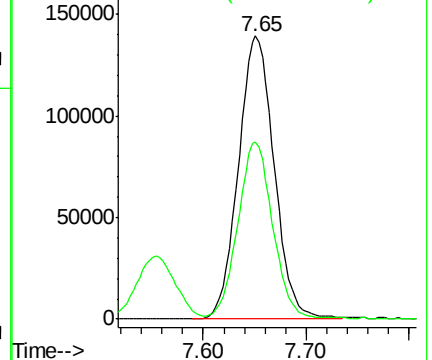
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.816 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058478.D

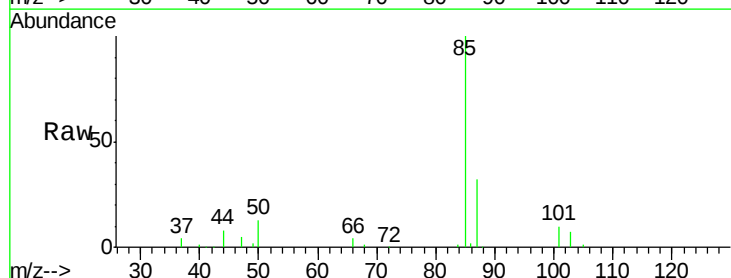
Acq: 2 Oct 2019 16:38

Tgt Ion: 85 Resp: 76714

Ion Ratio Lower Upper

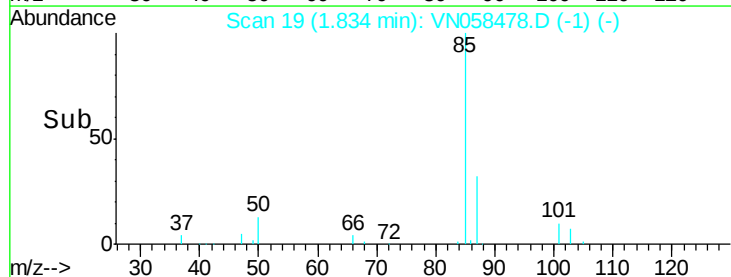
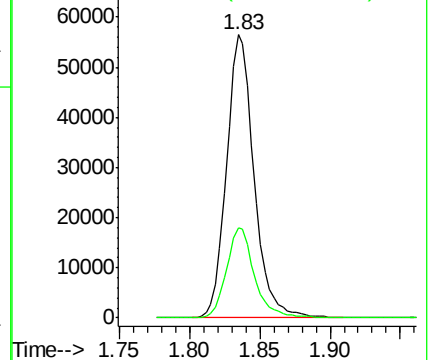
85 100

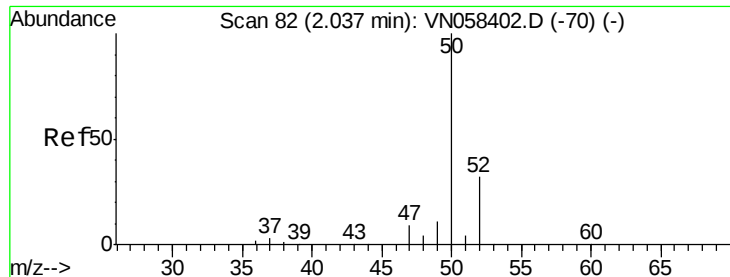
87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 21.904 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 50 Resp: 88746

Ion Ratio Lower Upper

50 100

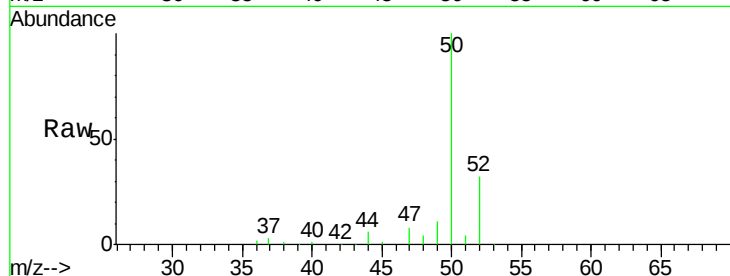
52 32.2 25.9 38.9

Manual Integrations

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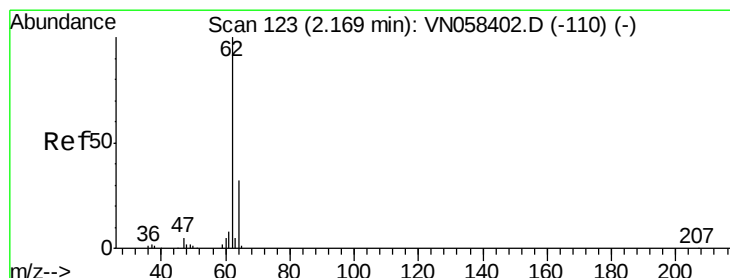
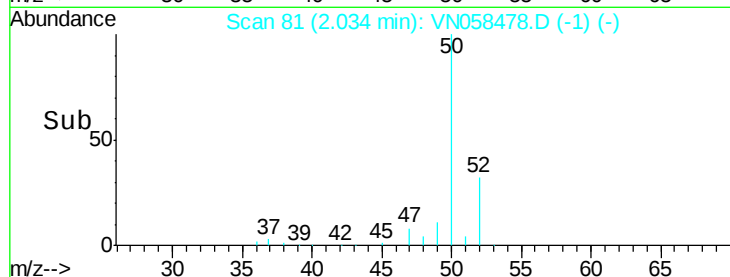
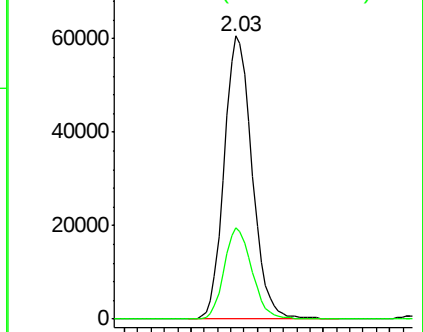
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 21.572 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058478.D

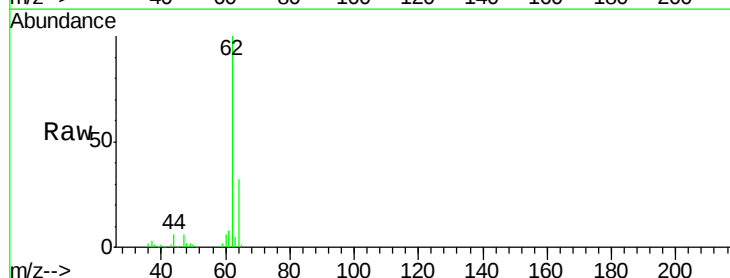
Acq: 2 Oct 2019 16:38

Tgt Ion: 62 Resp: 85618

Ion Ratio Lower Upper

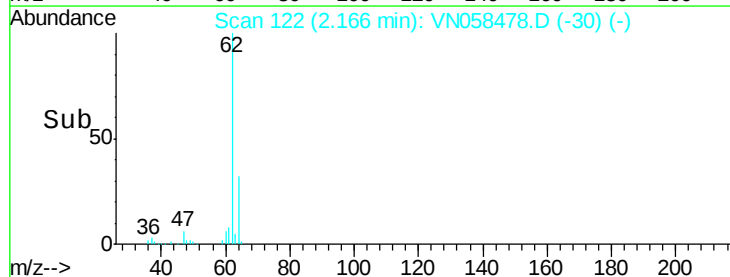
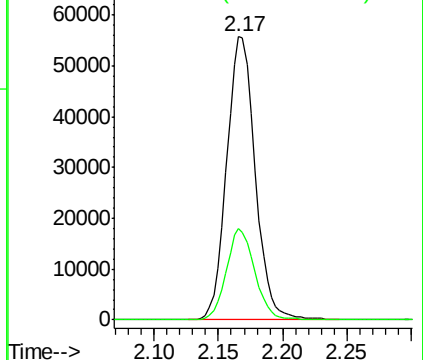
62 100

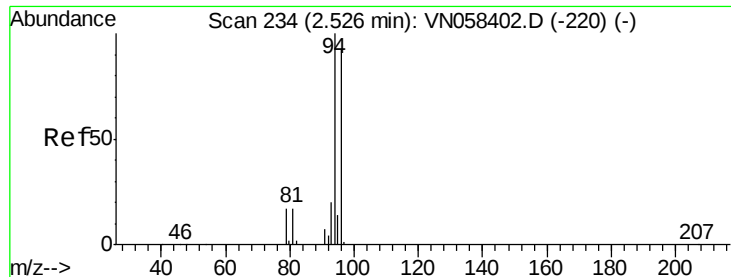
64 32.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.383 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

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Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 94 Resp: 45078

Ion Ratio Lower Upper

94 100

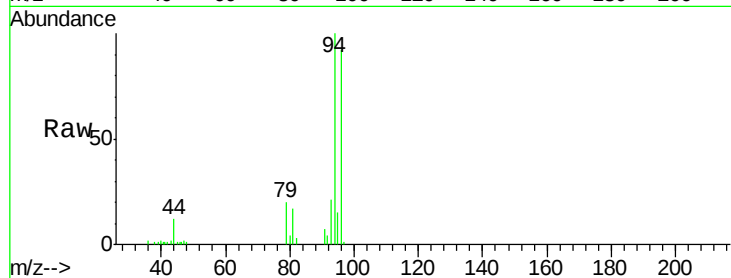
96 91.9 74.8 112.2

Manual Integrations

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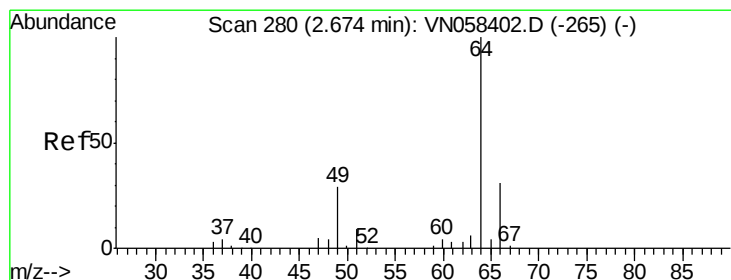
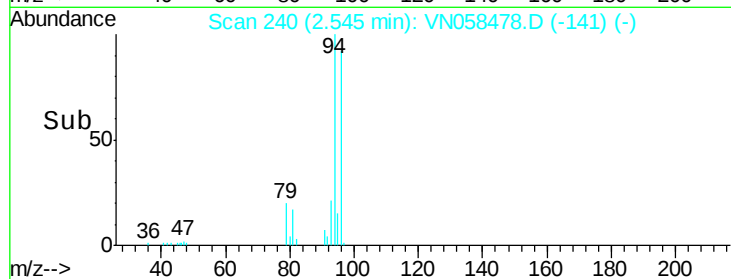
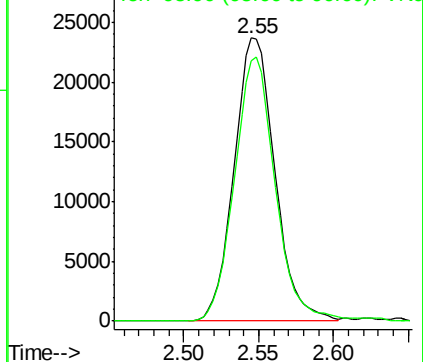
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 23.130 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058478.D

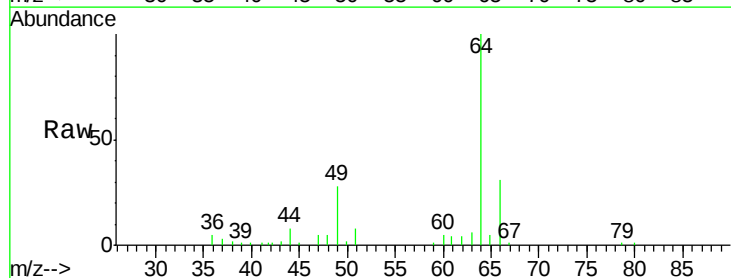
Acq: 2 Oct 2019 16:38

Tgt Ion: 64 Resp: 55005

Ion Ratio Lower Upper

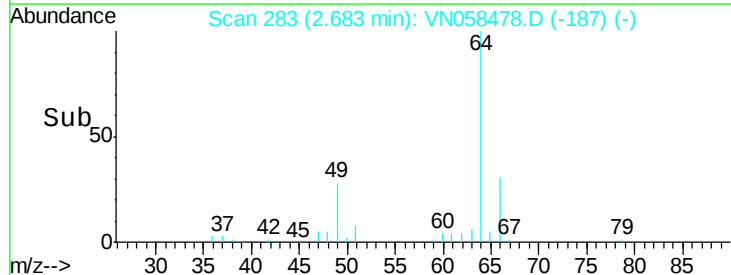
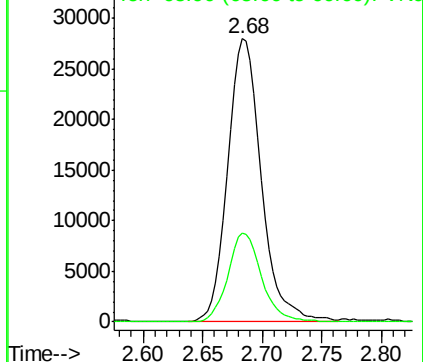
64 100

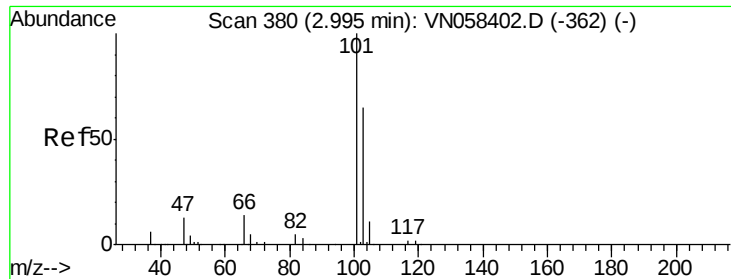
66 31.4 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

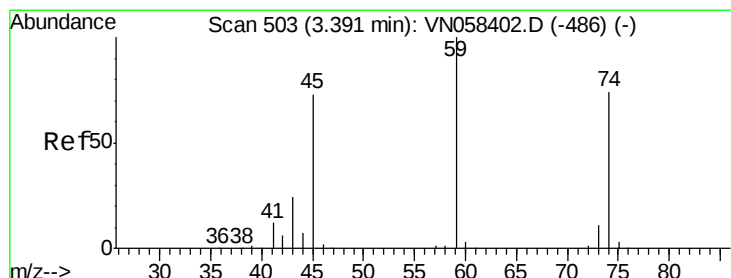
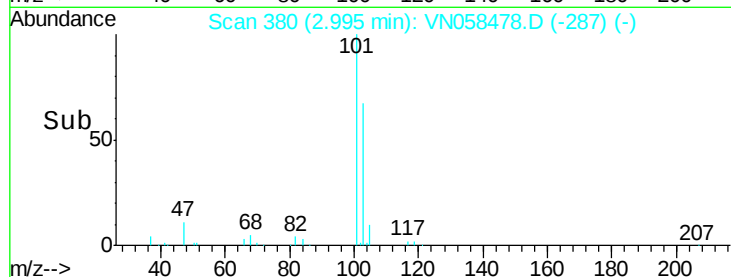
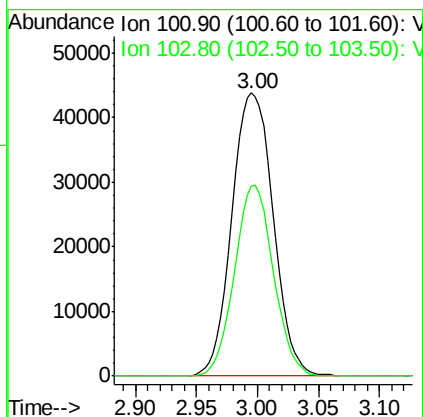
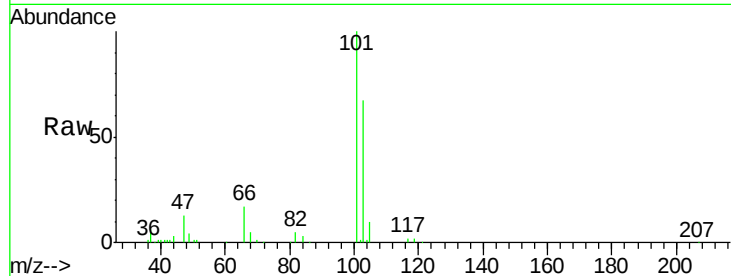
Trichlorofluoromethane
 Concen: 21.517 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.3	78.5

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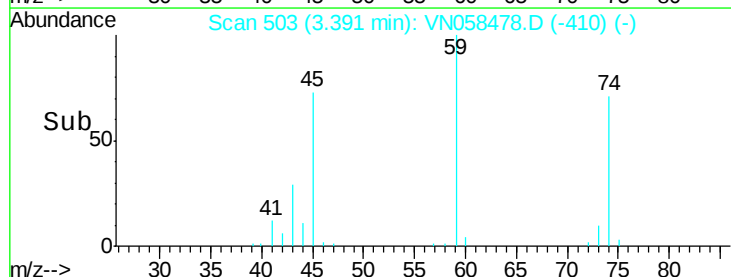
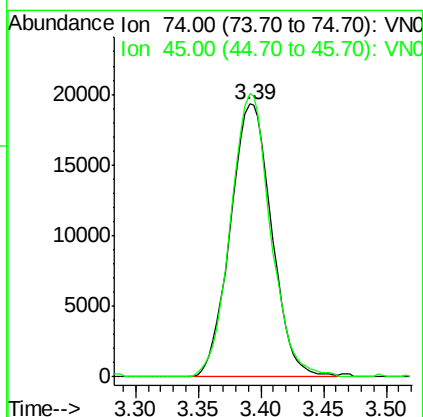
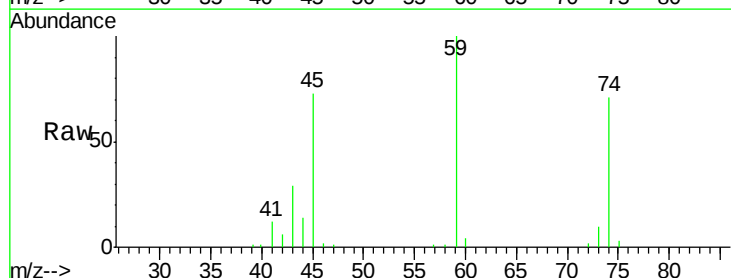
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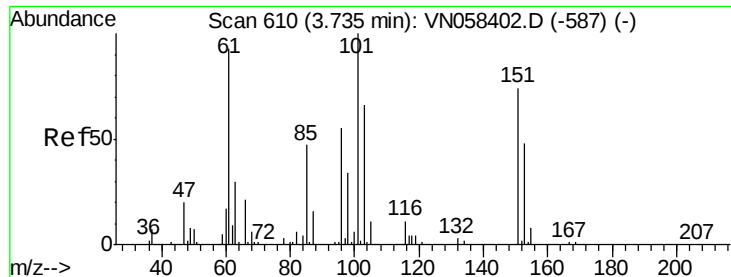


#8

Diethyl Ether
 Concen: 21.436 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.702 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058478.D

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Instrument :

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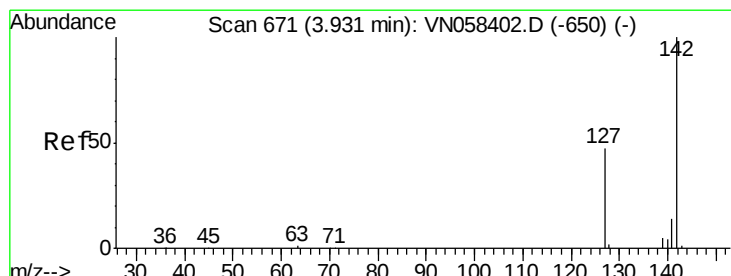
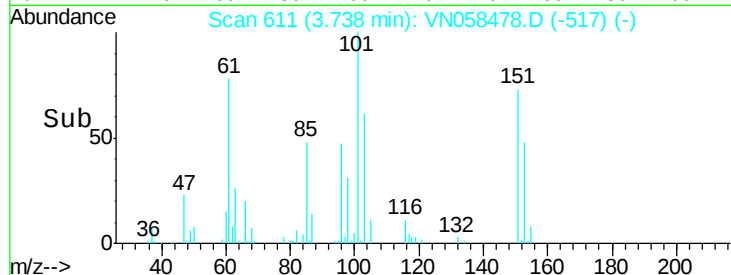
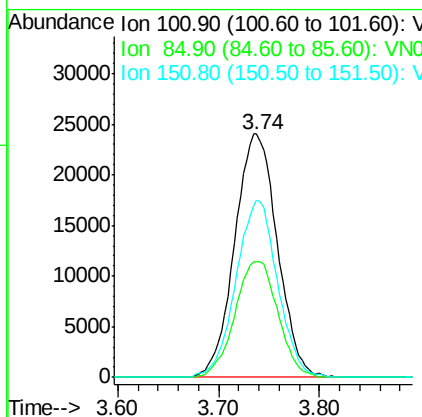
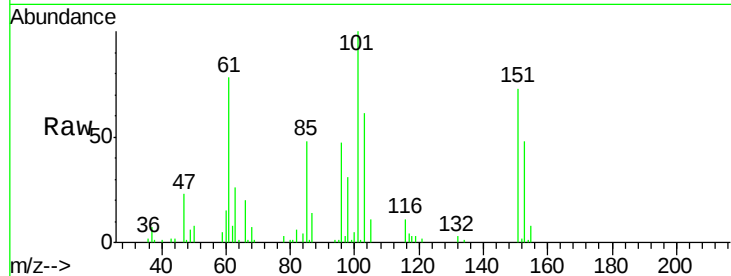
ClientSampleId :

VN1002WBS01

Tot Ion:	101	Resp:	70591
Ion Ratio	Lower	Upper	
101	100		
85	47.9	36.7	55.1
151	70.9	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.241 ug/l

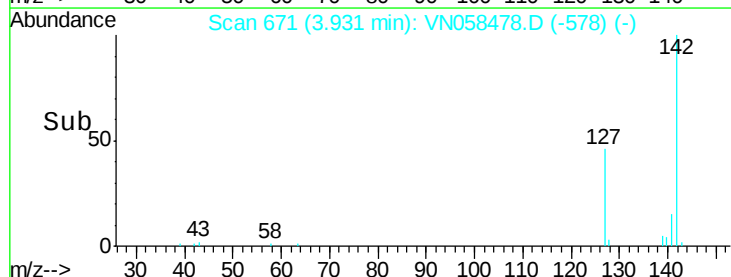
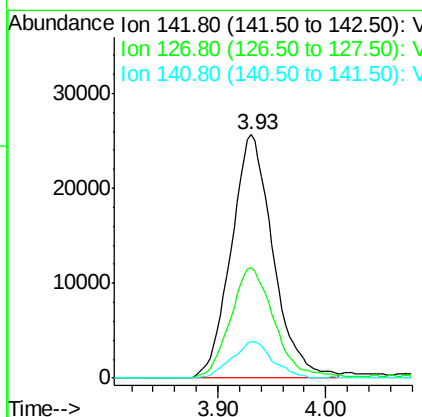
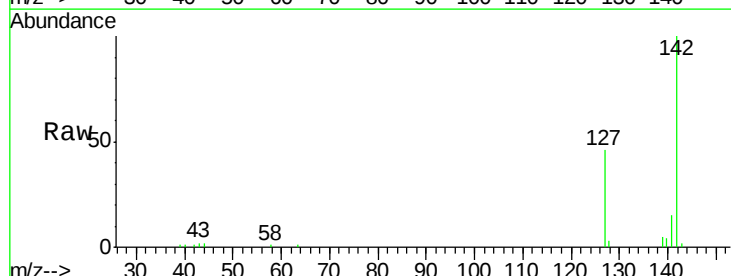
RT: 3.93 min Scan# 671

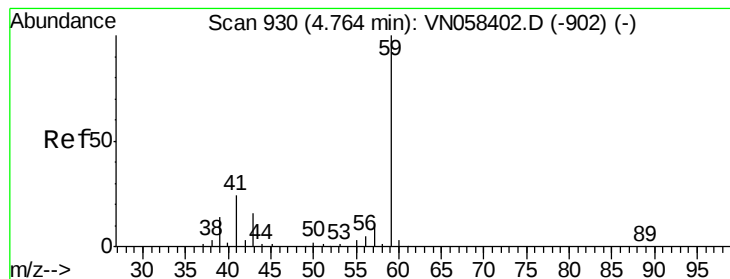
Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Tgt Ion:	142	Resp:	69400
Ion Ratio	Lower	Upper	
142	100		
127	47.8	37.2	55.8
141	14.7	11.3	16.9





#11

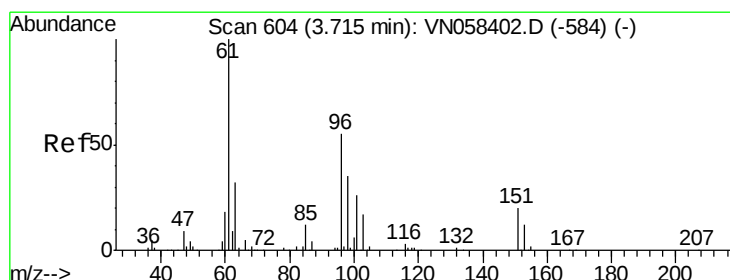
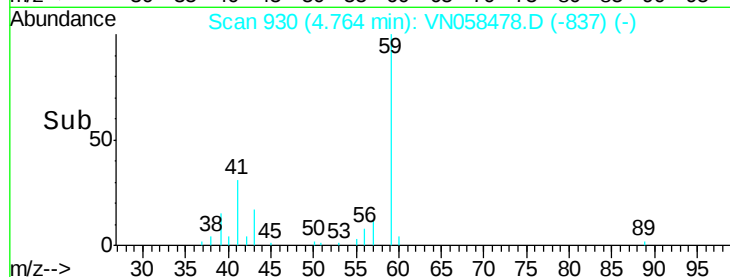
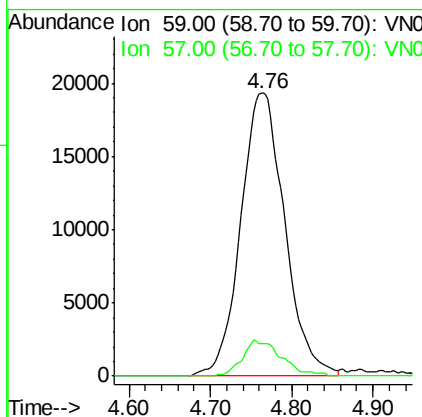
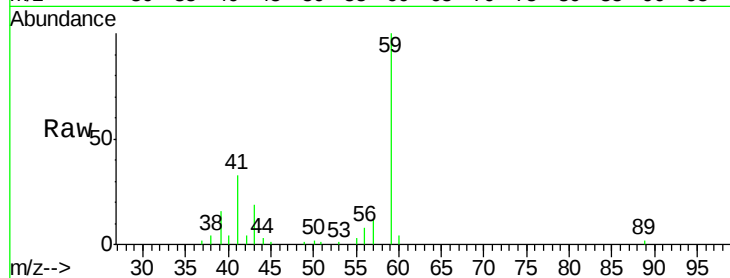
Tert butyl alcohol
 Concen: 132.387 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.0	13.4

Manual Integrations
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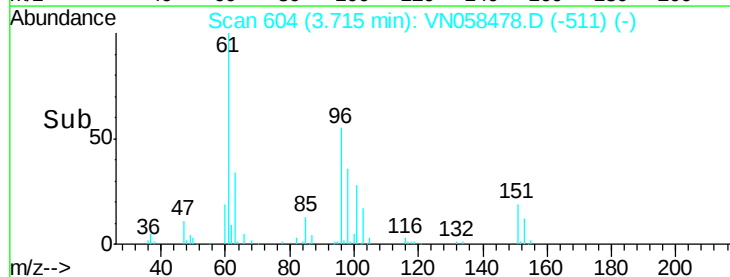
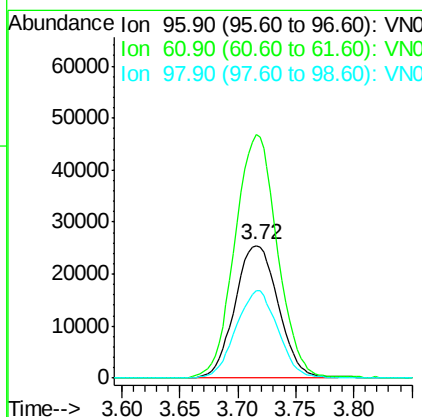
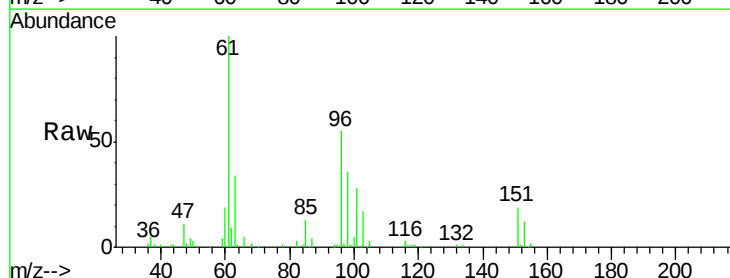
MMDadoda
 10/3/2019 1:35:43 PM

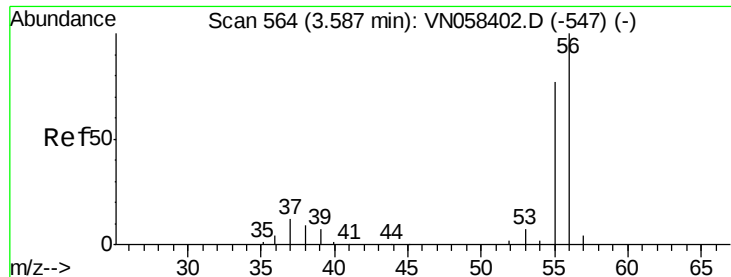


#12

1,1-Dichloroethene
 Concen: 20.961 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.6	146.7	220.1
98	65.7	51.3	76.9





#13

Acrolein

Concen: 126.682 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 56 Resp: 21985

Ion Ratio Lower Upper

56 100

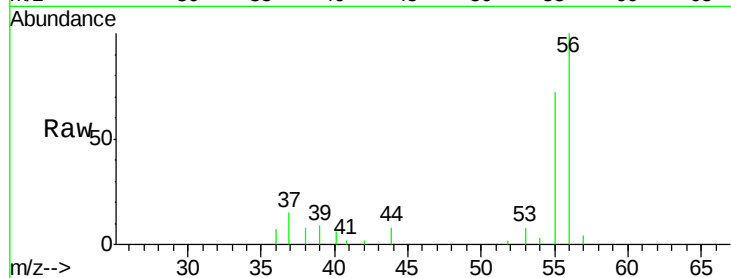
55 72.9 58.3 87.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

8000

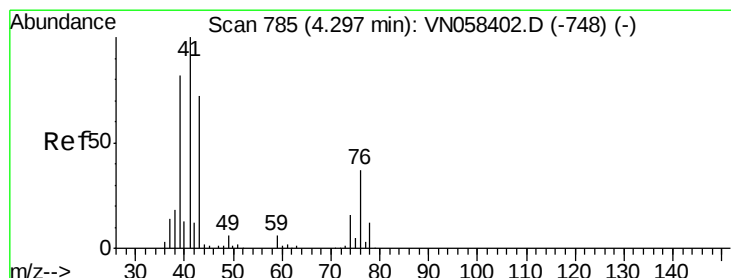
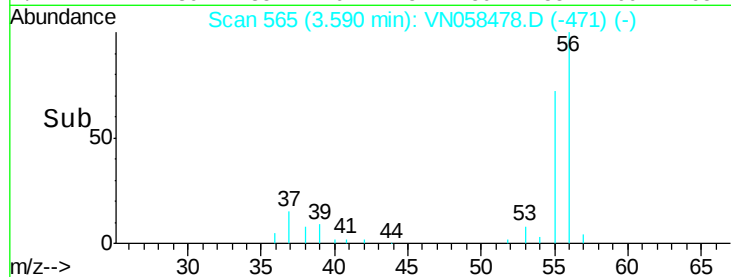
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 21.334 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

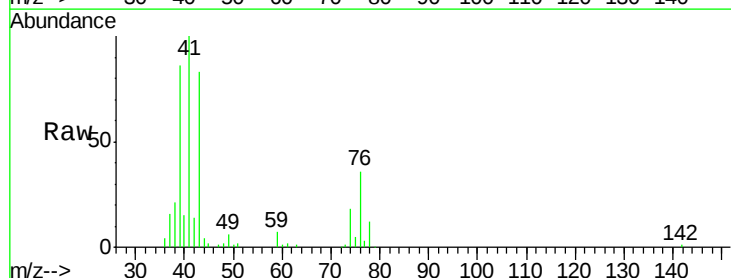
Tgt Ion: 41 Resp: 123096

Ion Ratio Lower Upper

41 100

39 77.8 62.3 93.5

76 32.4 26.9 40.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.30

50000

40000

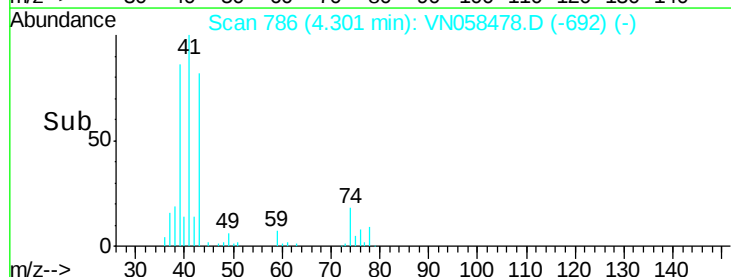
30000

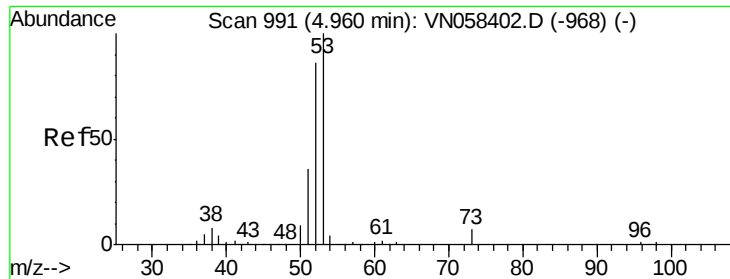
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 123.291 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

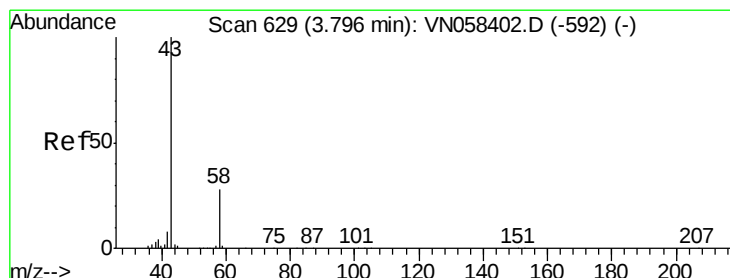
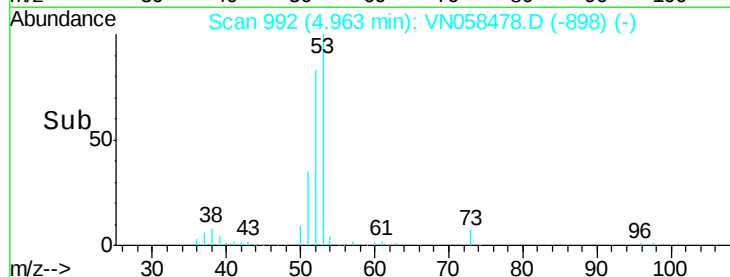
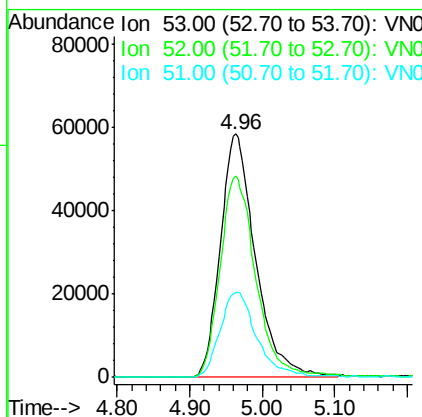
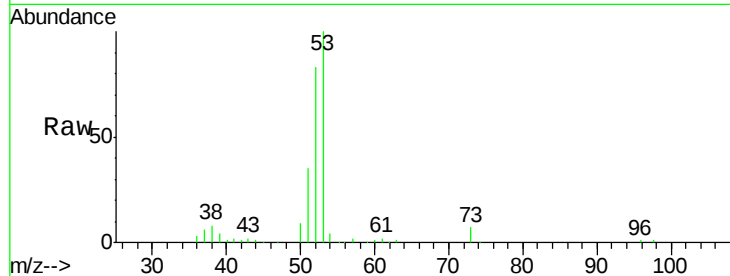
ClientSampleId :

VN1002WBS01

Tot Ion:	53	Resp:	196060
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.6	100.0
51	36.9	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 118.056 ug/l

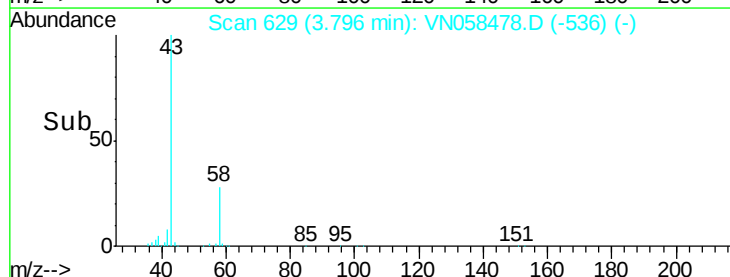
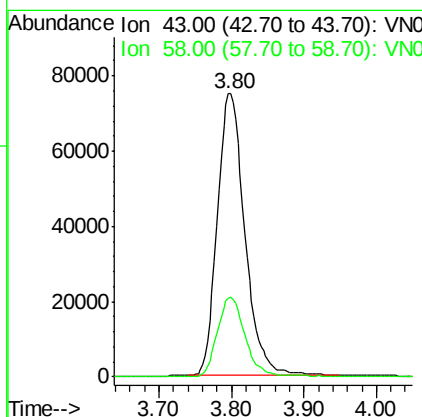
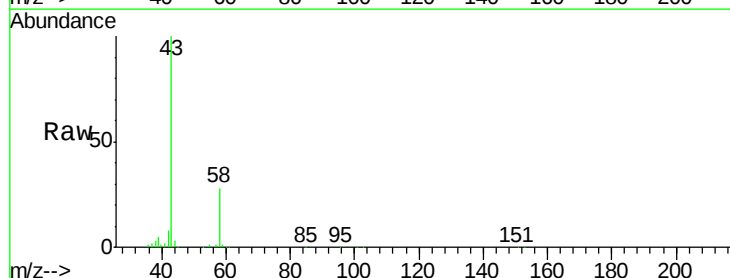
RT: 3.80 min Scan# 629

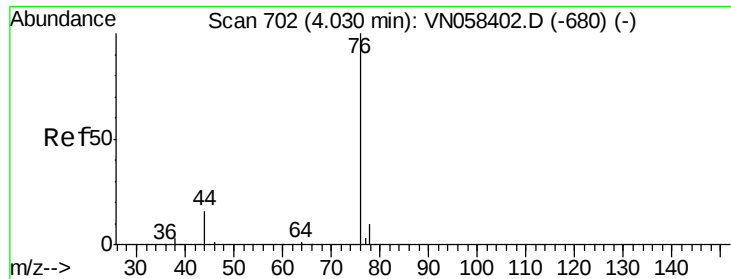
Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Tgt Ion:	43	Resp:	197661
Ion Ratio		Lower	Upper
43	100		
58	28.0	22.4	33.6





#17

Carbon Disulfide

Concen: 19.948 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 76 Resp: 166724

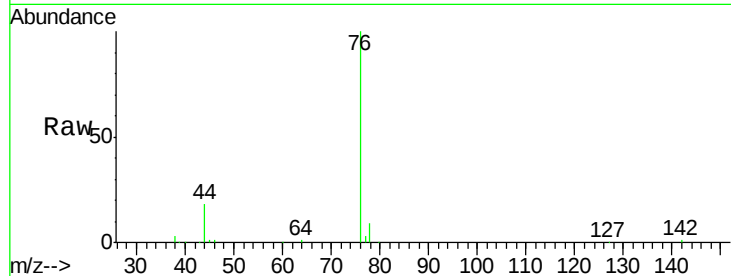
Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5

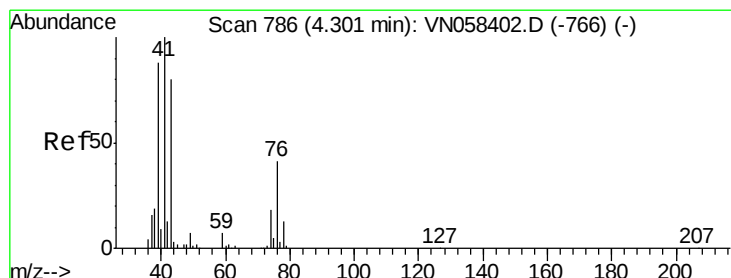
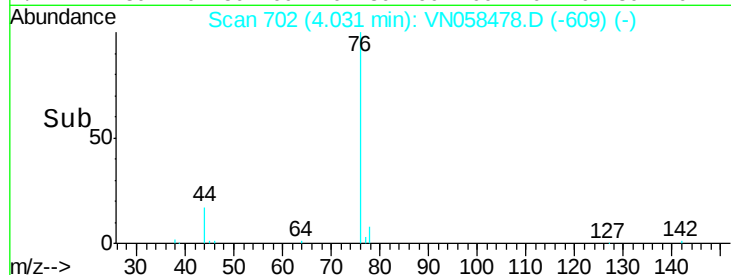
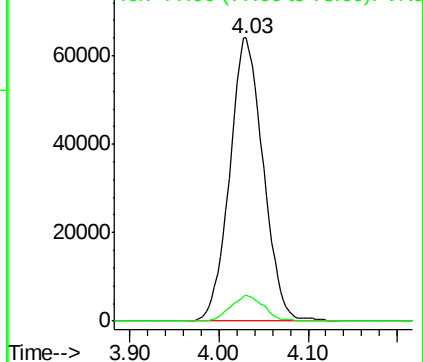
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 23.409 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN058478.D

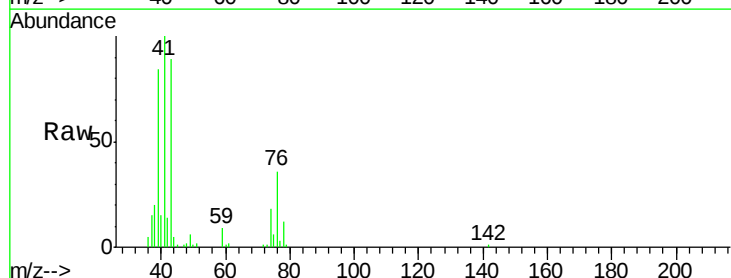
Acq: 2 Oct 2019 16:38

Tgt Ion: 43 Resp: 98577

Ion Ratio Lower Upper

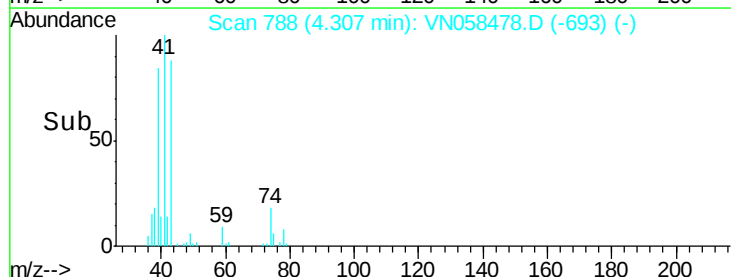
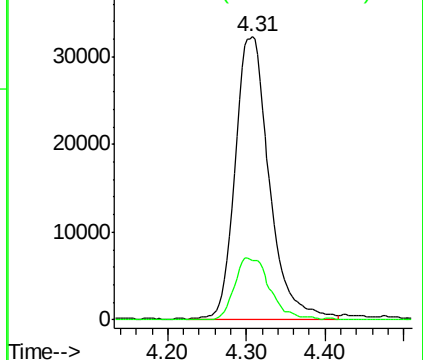
43 100

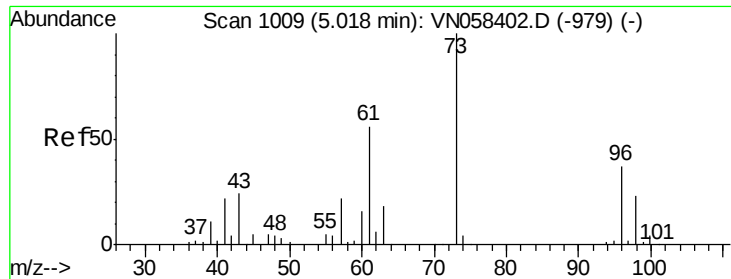
74 22.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





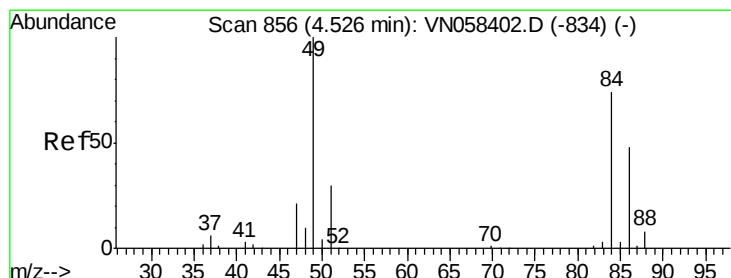
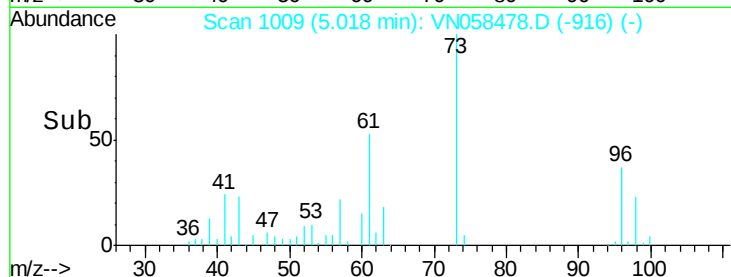
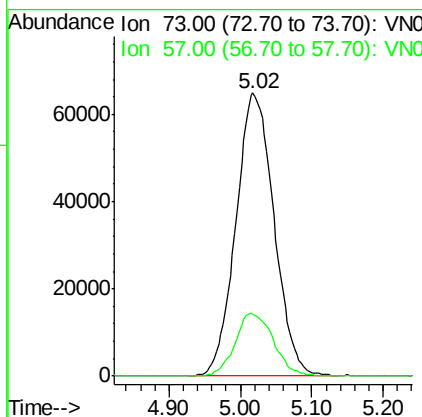
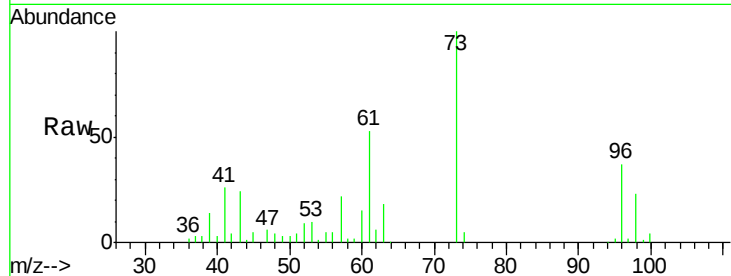
#19
Methvl tert-butvl Ether
Concen: 21.584 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion: 73 Resp: 241457
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4

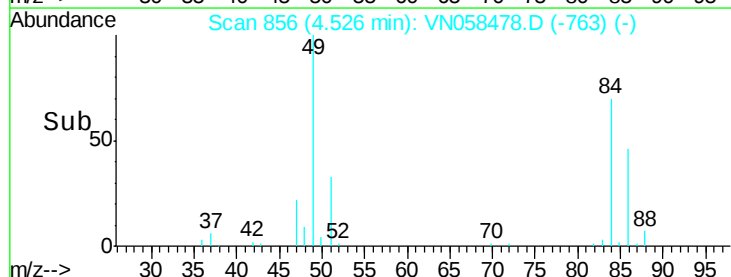
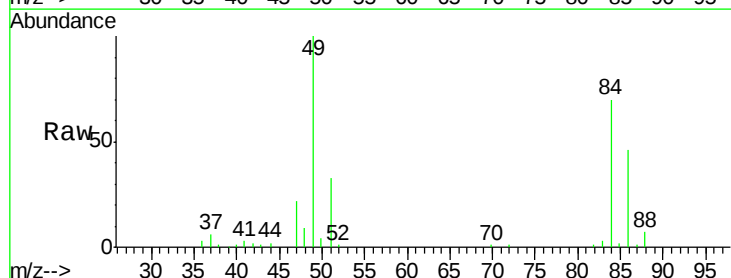
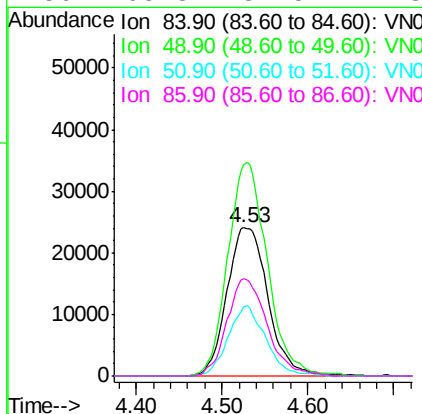
Manual Integrations
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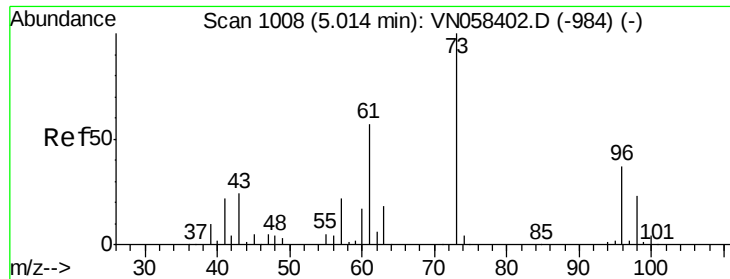
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#20
Methylene Chloride
Concen: 20.647 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 84 Resp: 79775
Ion Ratio Lower Upper
84 100
49 142.4 107.9 161.9
51 46.5 32.8 49.2
86 65.8 51.5 77.3





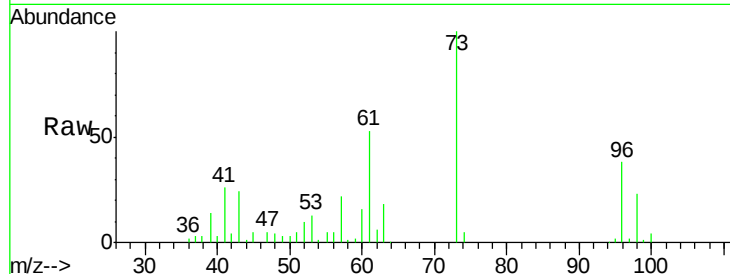
#21
trans-1,2-Dichloroethene
Concen: 21.433 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	121.9	182.9
98	60.2	49.3	73.9

Manual Integrations
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10/3/2019 1:35:43 PM

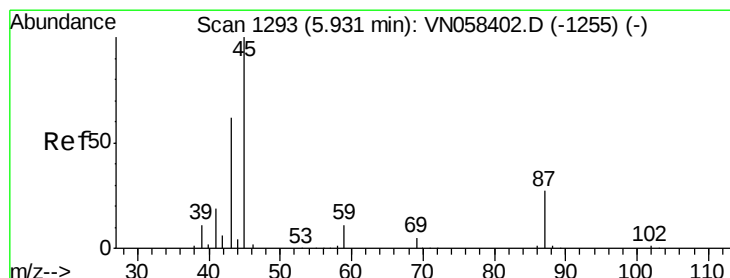
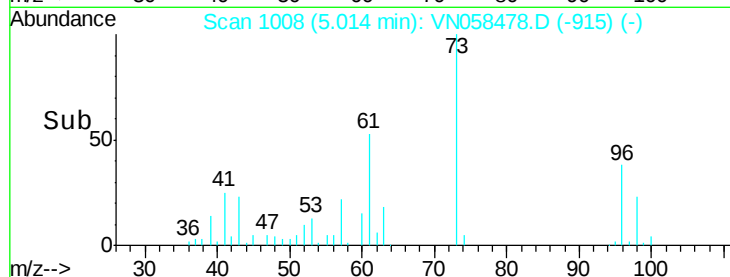
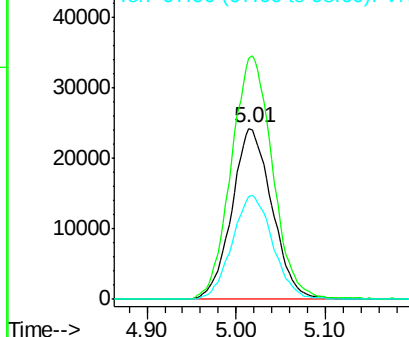


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 21.880 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.8	49.7	74.5
87	25.4	21.5	32.3
59	11.1	8.9	13.3

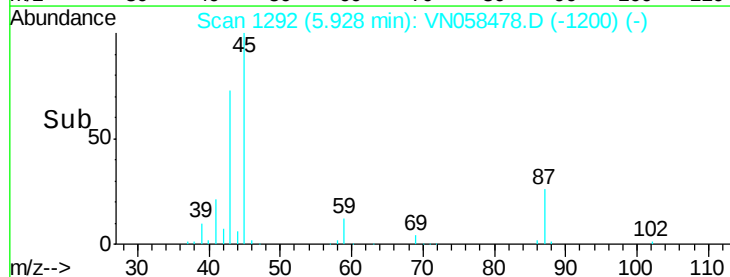
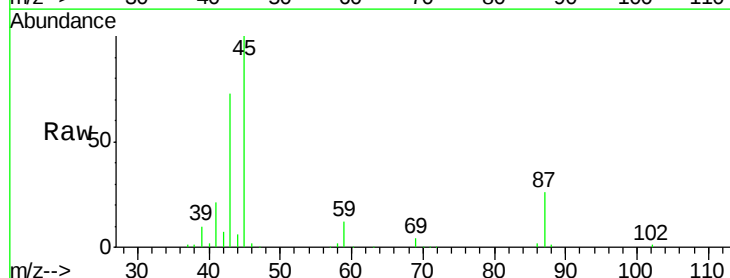
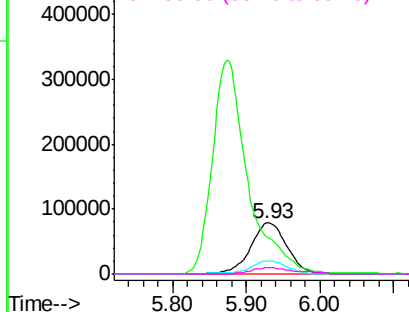
Abundance

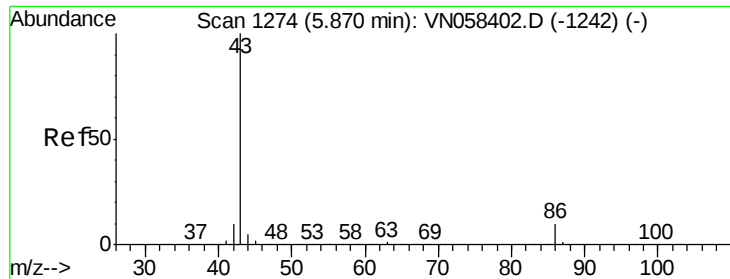
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





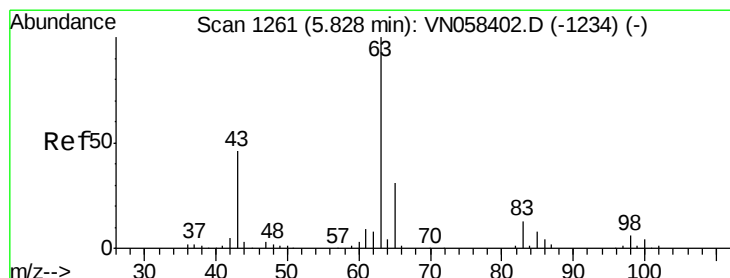
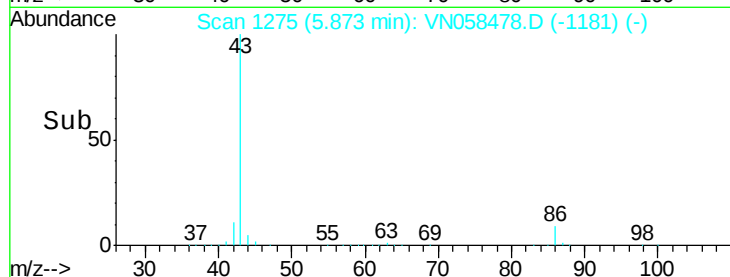
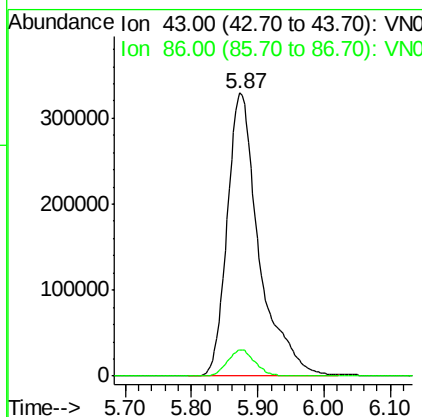
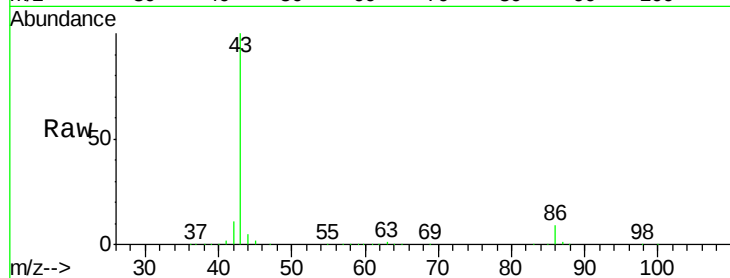
#23
 Vinyl Acetate
 Concen: 117.979 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion: 43 Resp: 1104548
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.7 11.5

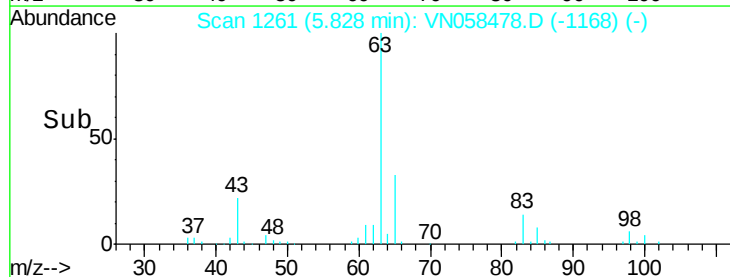
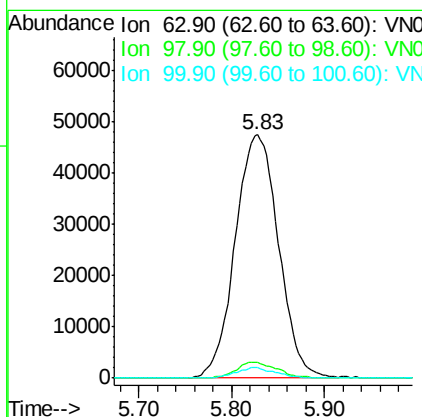
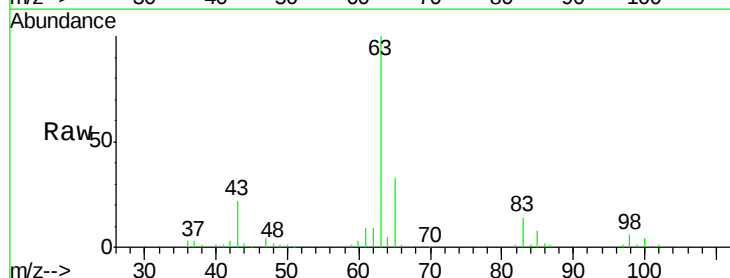
Manual Integrations
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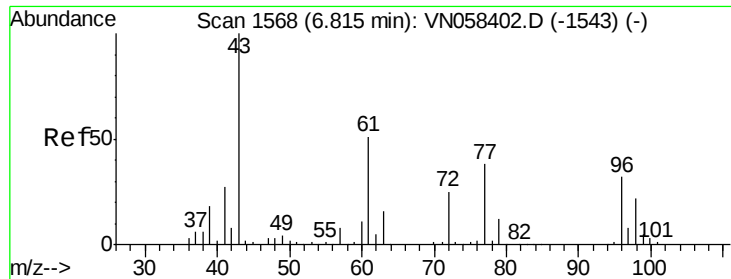
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 22.002 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion: 63 Resp: 153748
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.0 9.0
 100 4.1 2.0 5.8





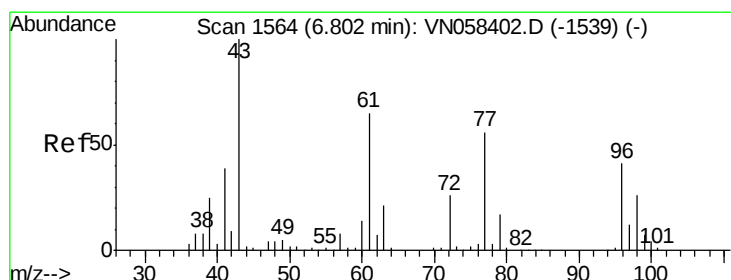
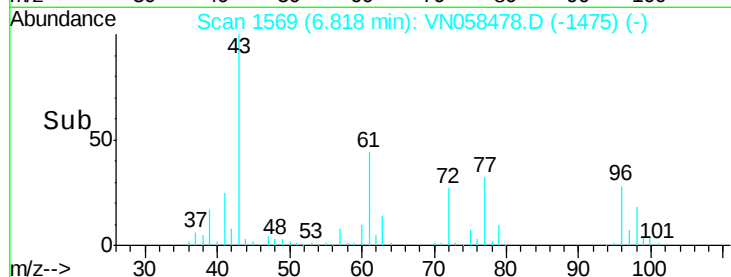
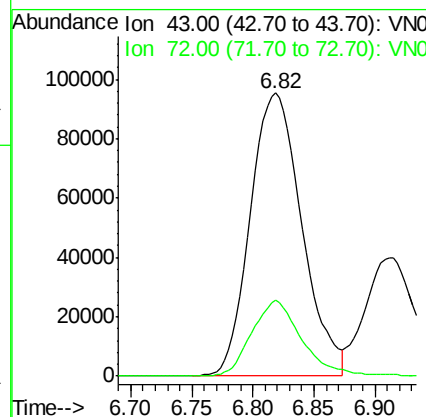
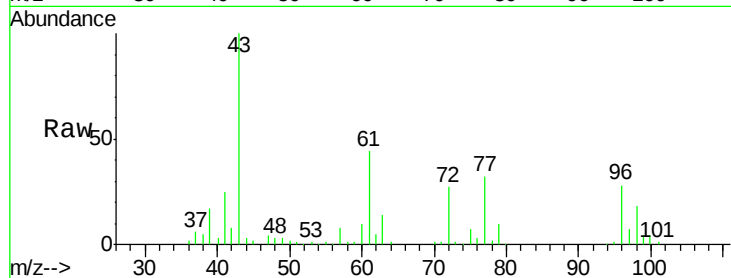
#25
2-Butanone
Concen: 121.052 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

Tot Ion: 43 Resp: 278270
Ion Ratio Lower Upper
43 100
72 26.7 20.2 30.4

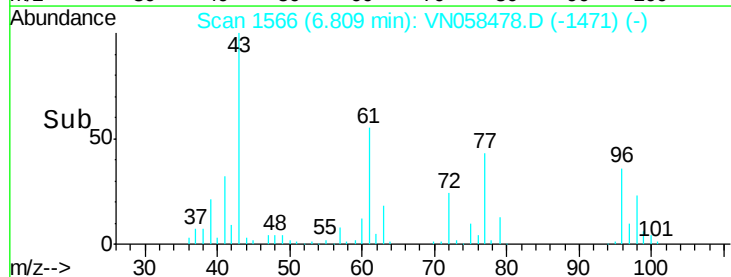
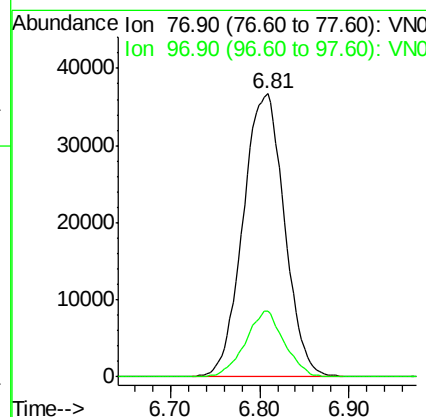
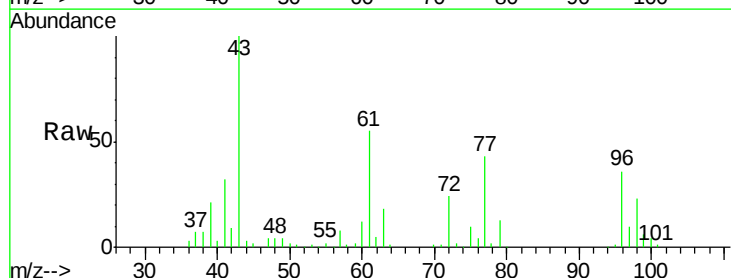
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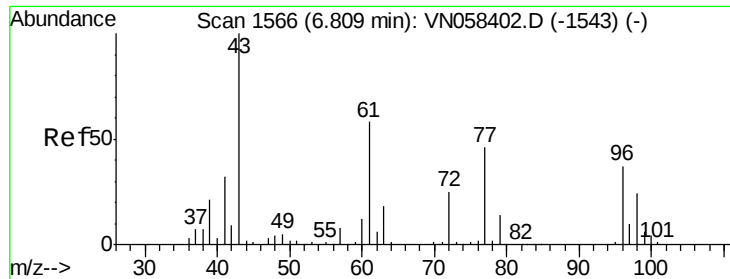
MMDadoda
10/3/2019 1:35:43 PM



#26
2,2-Dichloropropane
Concen: 20.594 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 77 Resp: 118313
Ion Ratio Lower Upper
77 100
97 21.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 21.103 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

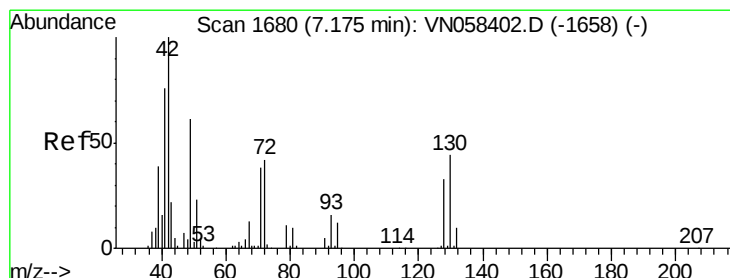
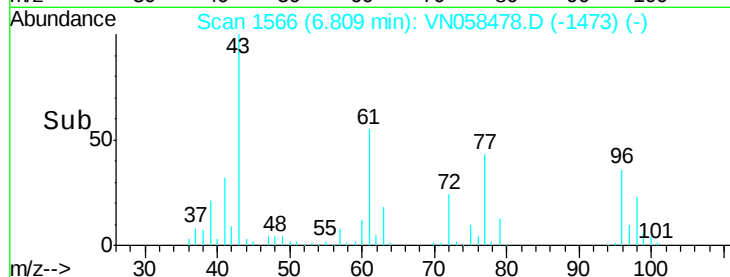
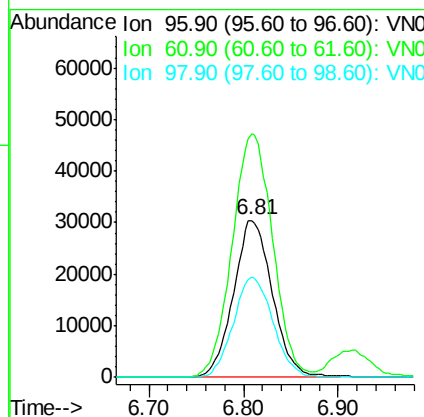
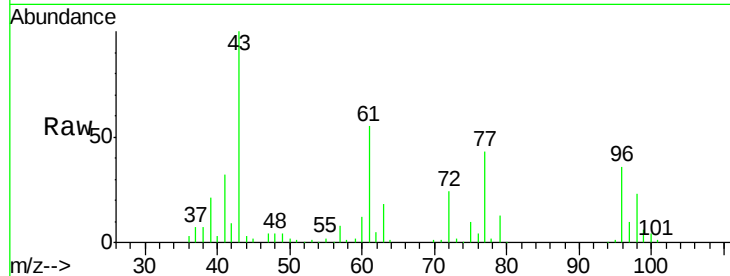
ClientSampleId :

VN1002WBS01

Tot Ion:	96	Resp:	86960
Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	318.8
98	64.8	0.0	129.8

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#28

Bromochloromethane

Concen: 22.567 ug/l

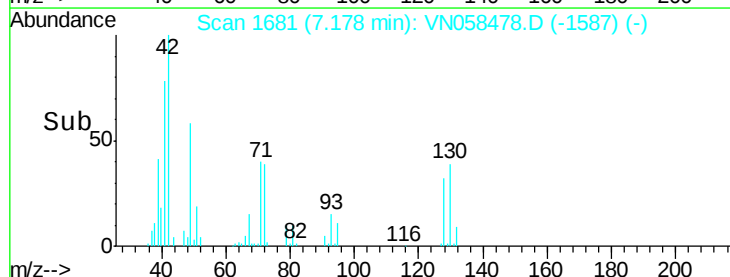
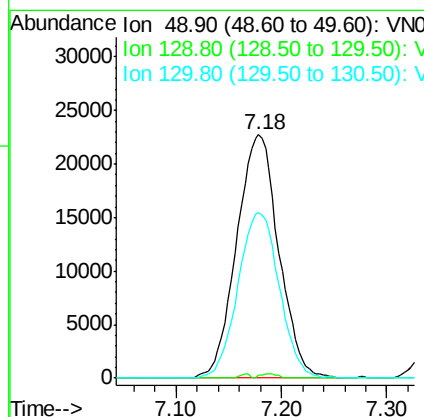
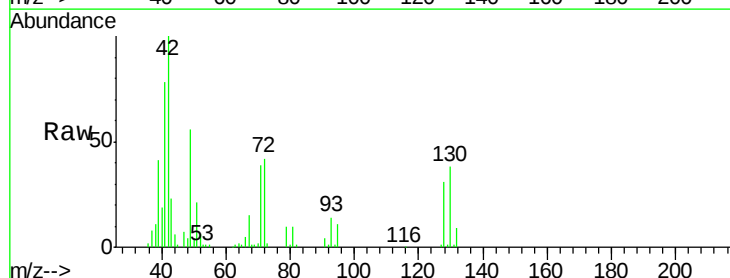
RT: 7.18 min Scan# 1681

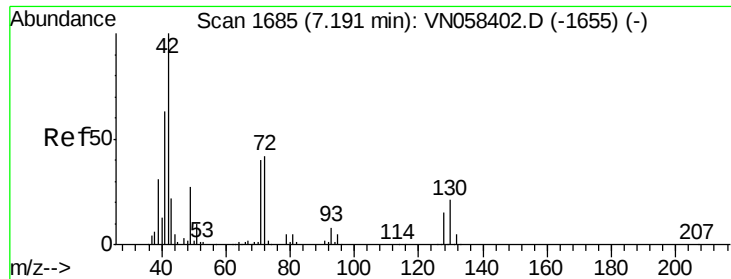
Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Tgt Ion:	49	Resp:	63035
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	66.7	56.3	84.5





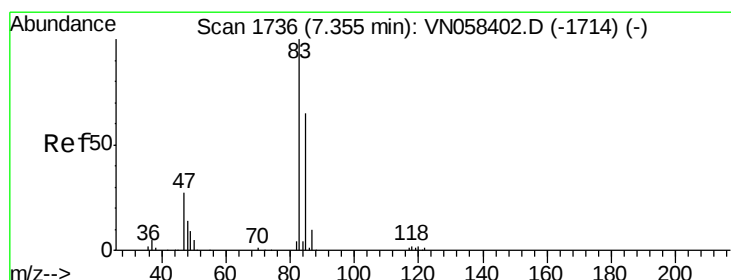
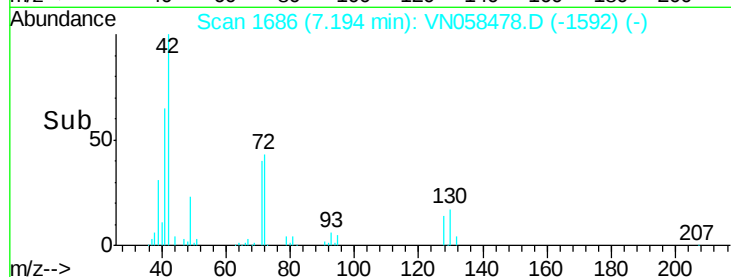
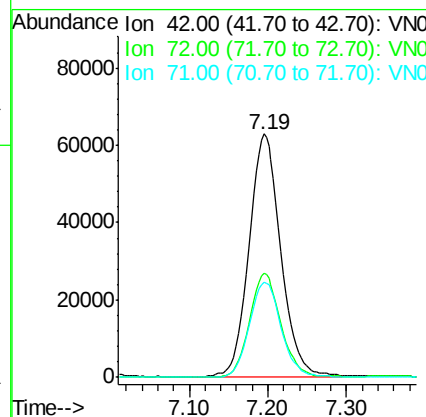
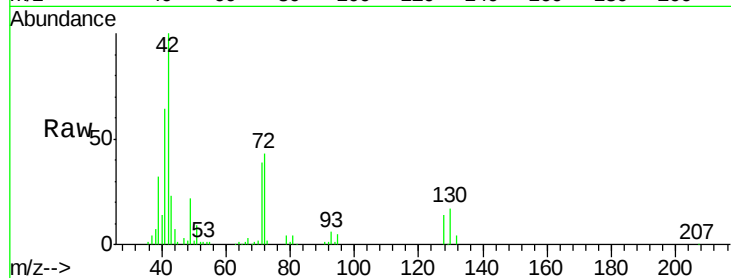
#29
Tetrahydrofuran
Concen: 123.740 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	39.0	31.8	47.6

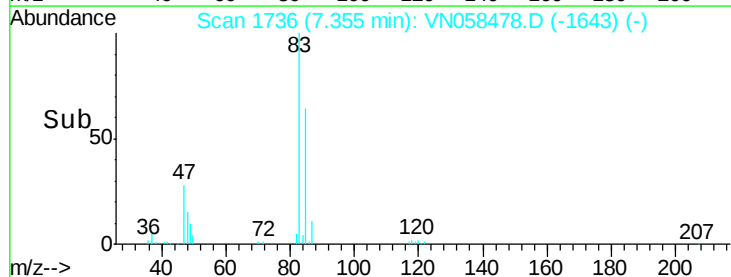
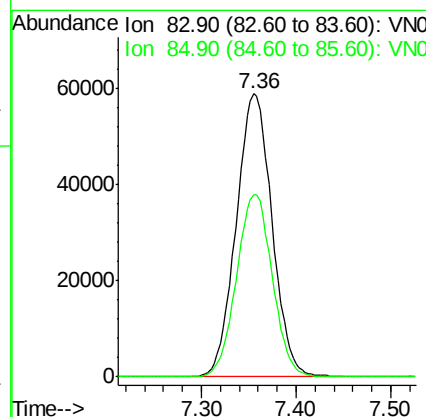
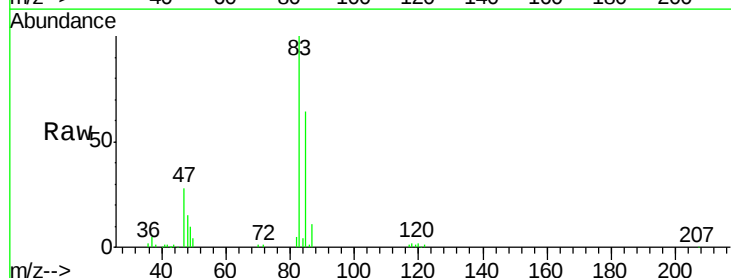
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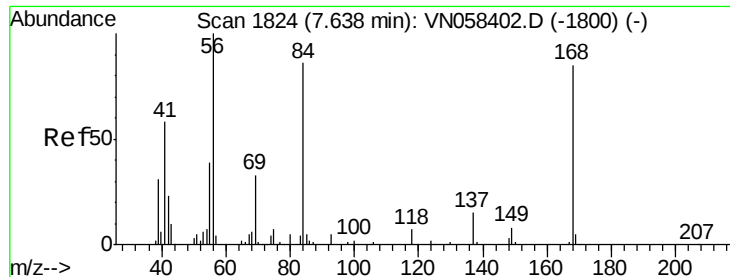
MMDadoda
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#30
Chloroform
Concen: 21.878 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.0	78.0





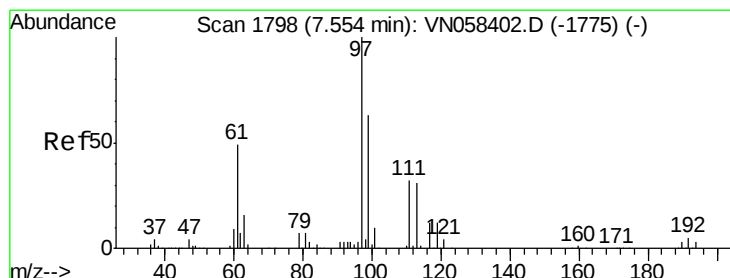
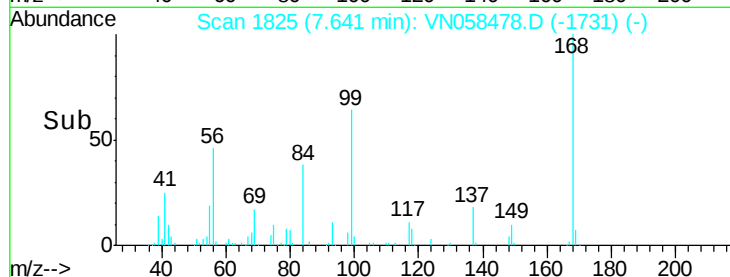
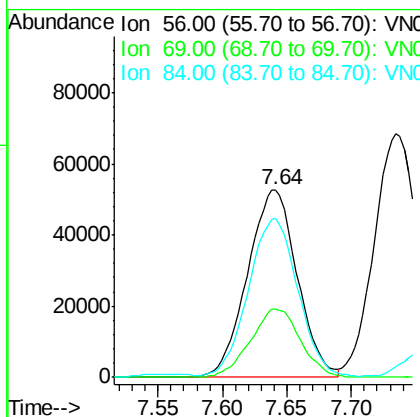
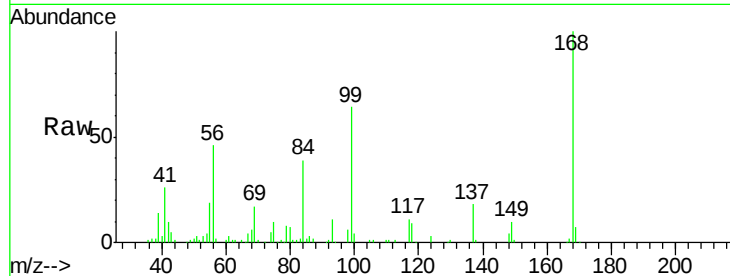
#31
Cyclohexane
Concen: 20.799 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	26.2	39.4
84	83.4	67.6	101.4

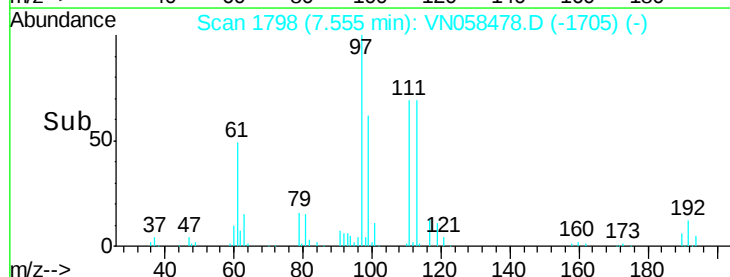
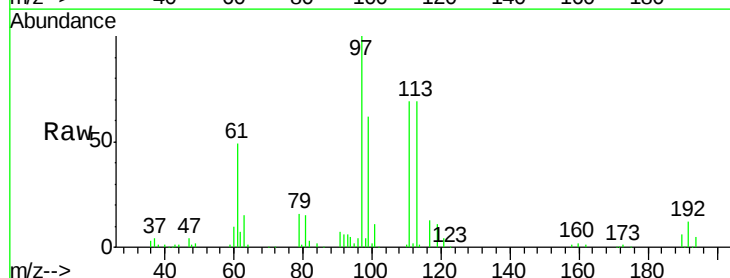
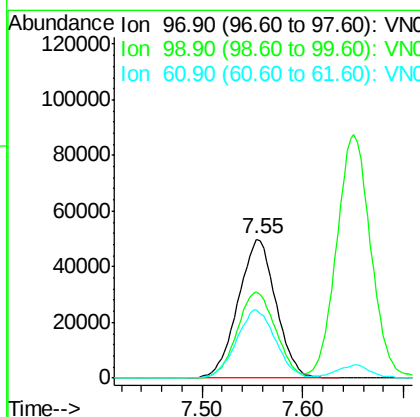
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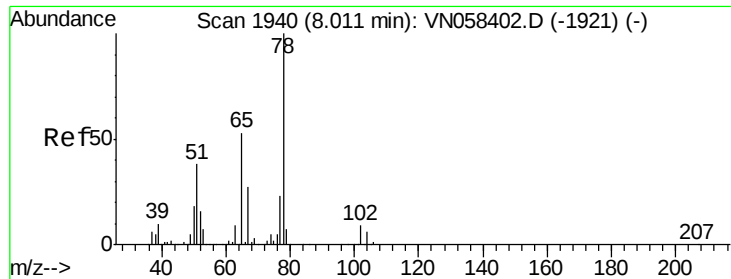
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 22.345 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.1	76.7
61	50.7	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 53.732 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 65 Resp: 263906

Ion Ratio Lower Upper

65 100

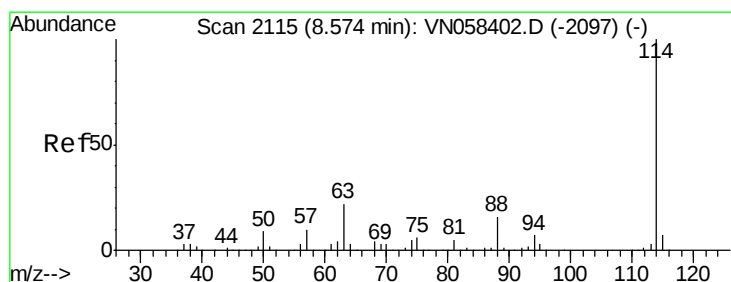
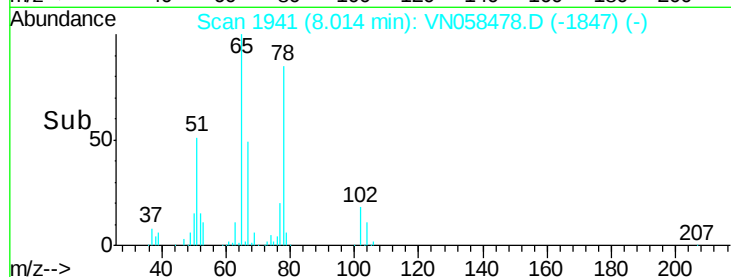
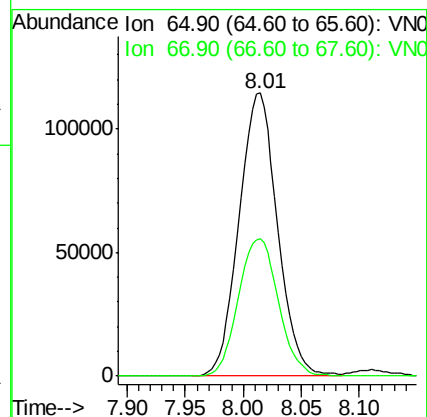
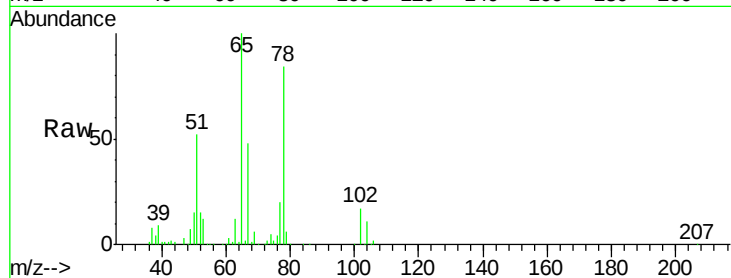
67 50.6 0.0 102.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

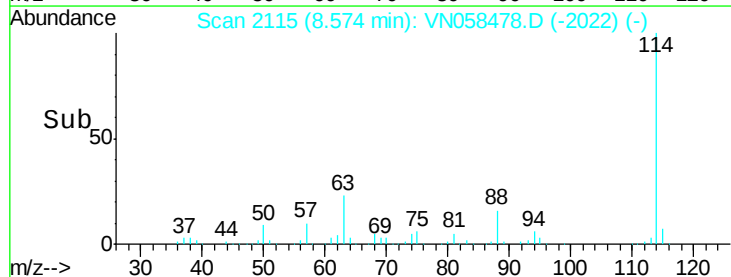
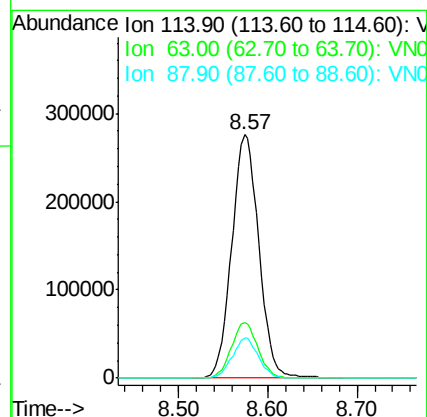
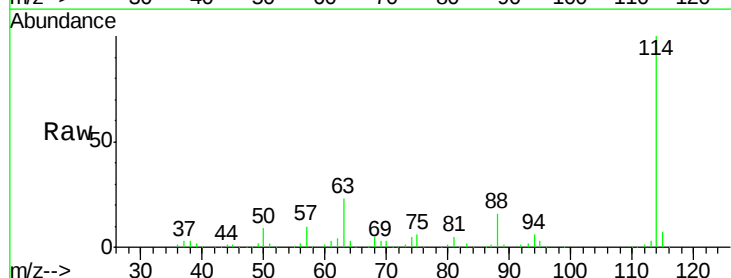
Tgt Ion: 114 Resp: 580332

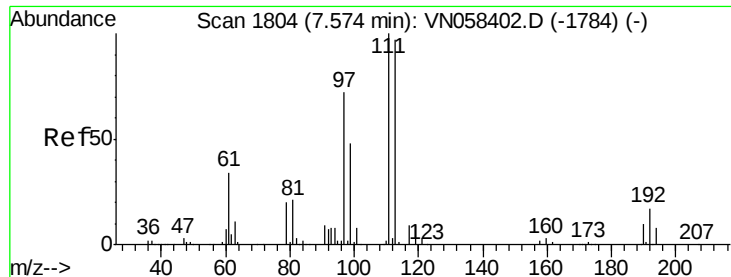
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.0

88 16.4 0.0 32.2





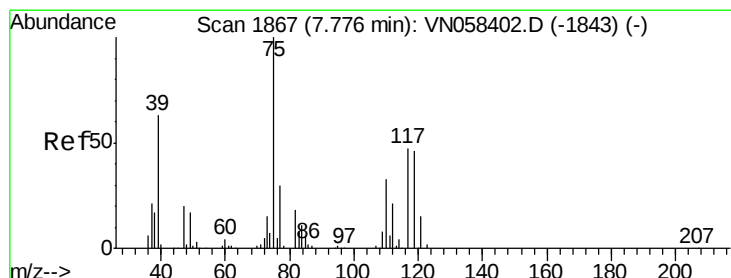
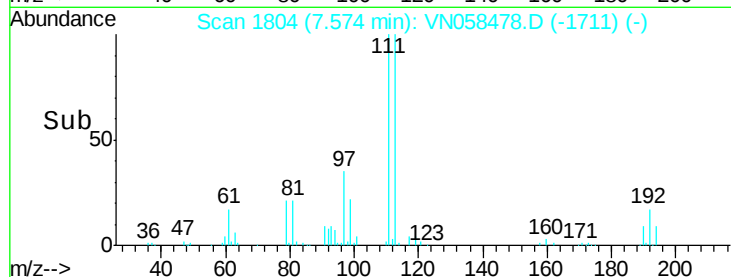
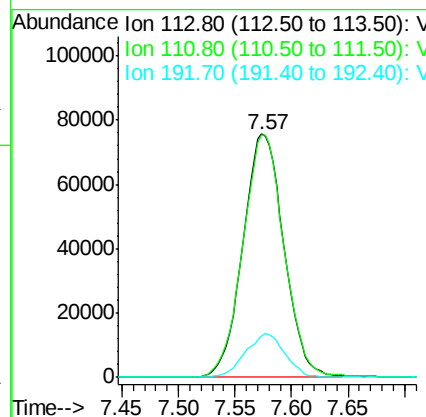
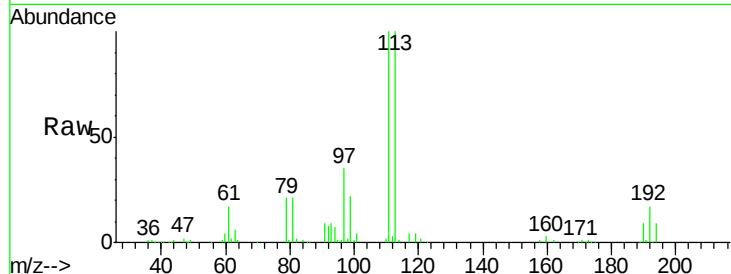
#35
 Dibromofluoromethane
 Concen: 53.721 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	191073		
111	100.1	83.4	125.2	
192	17.2	14.9	22.3	

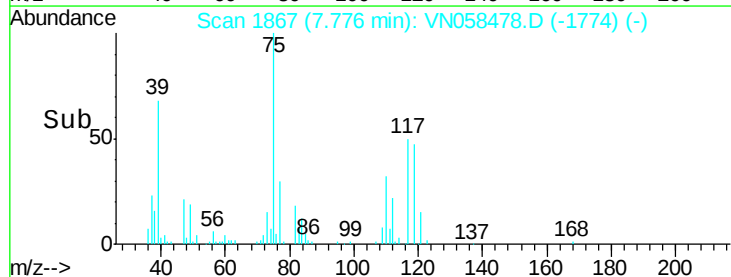
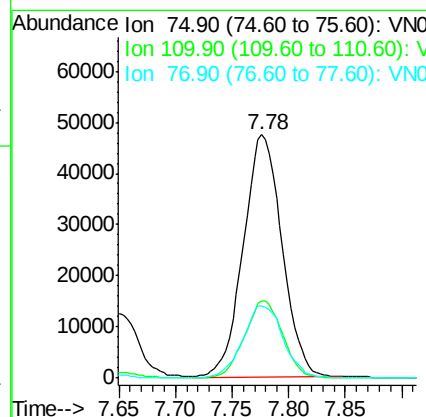
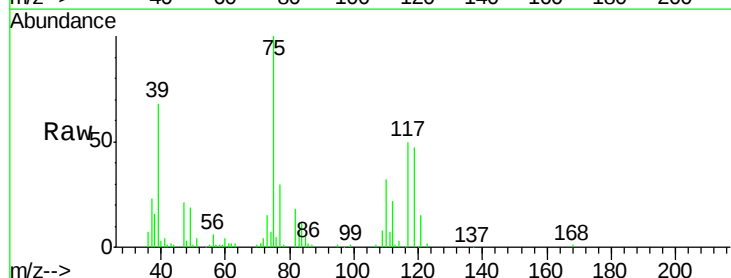
Manual Integrations
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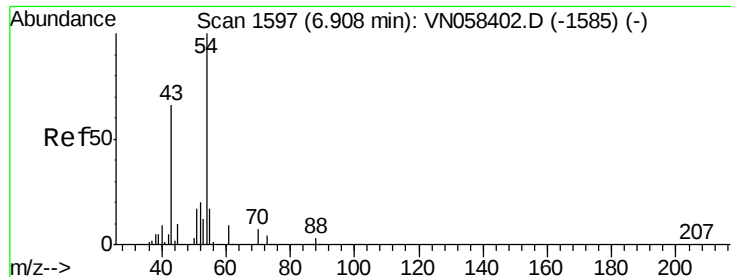
MMDadoda
 10/3/2019 1:35:43 PM



#36
 1,1-Dichloropropene
 Concen: 20.351 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	112929		
110	31.6	16.4	49.2	
77	31.4	24.3	36.5	





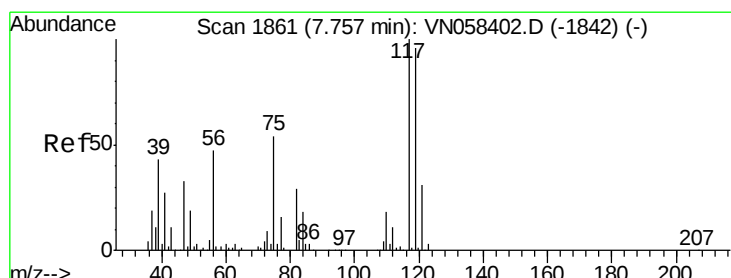
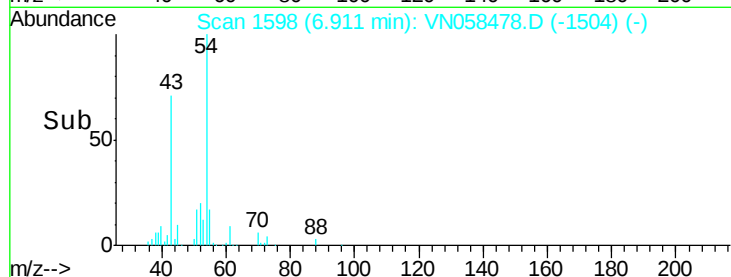
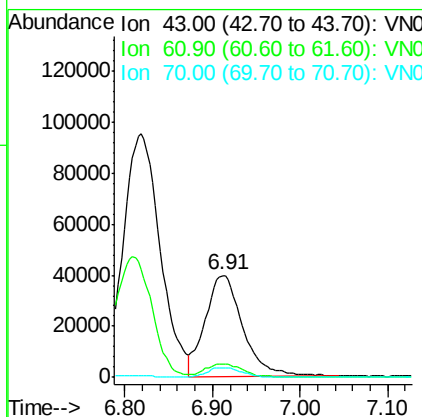
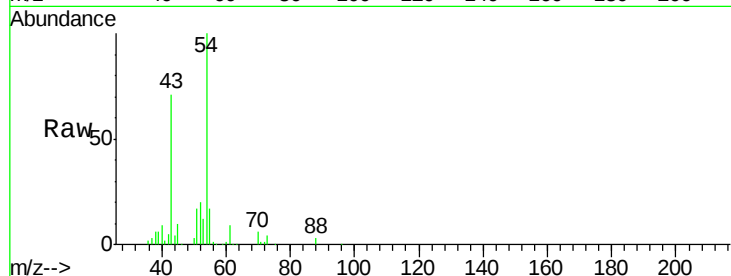
#37
Ethyl Acetate
Concen: 25.040 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.0	7.8	11.6

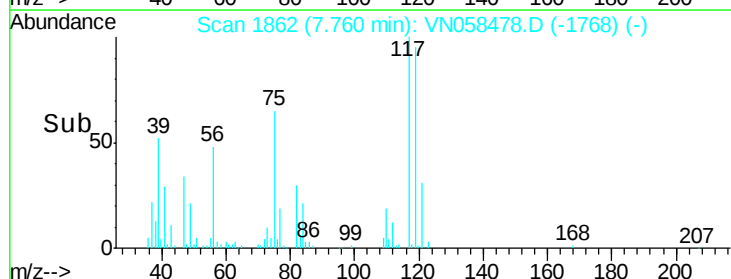
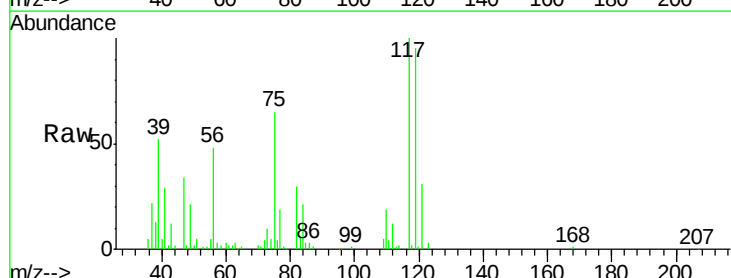
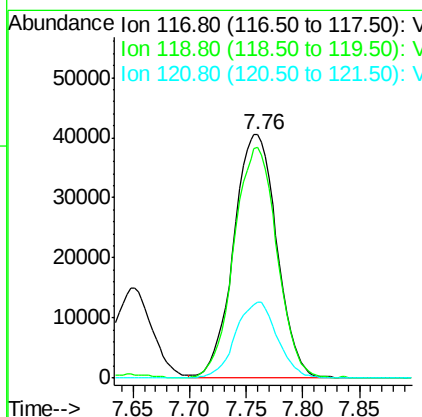
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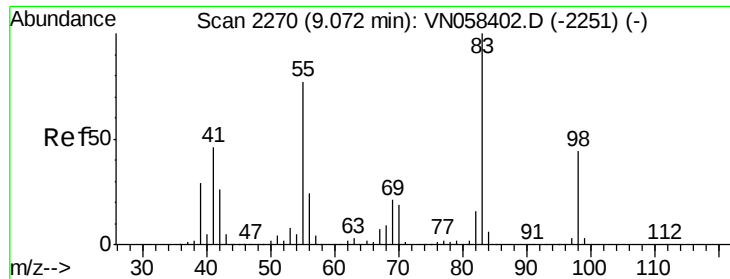
MMDadoda
10/3/2019 1:35:43 PM



#38
Carbon Tetrachloride
Concen: 21.472 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.6	115.0
121	31.2	24.7	37.1





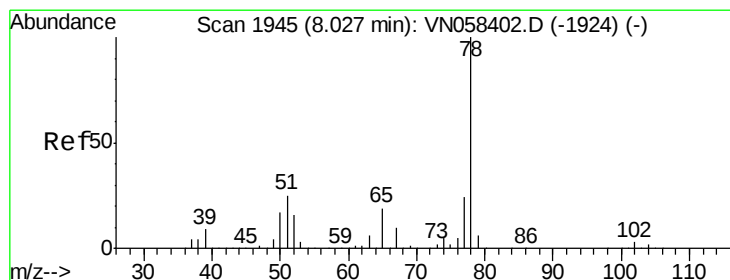
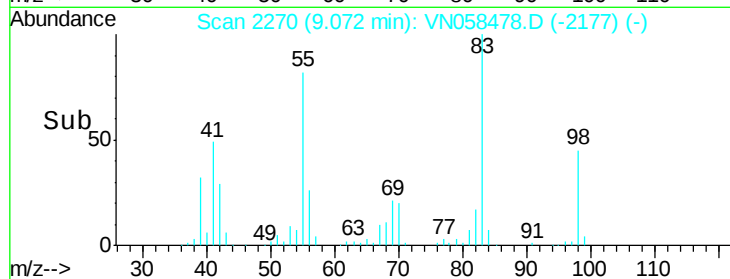
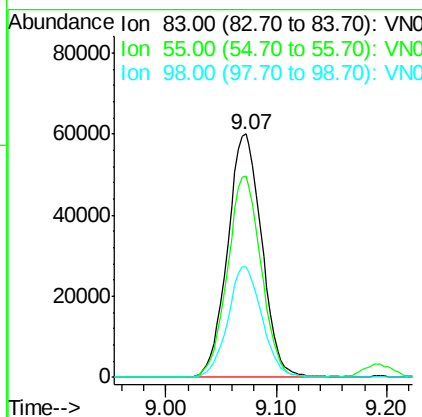
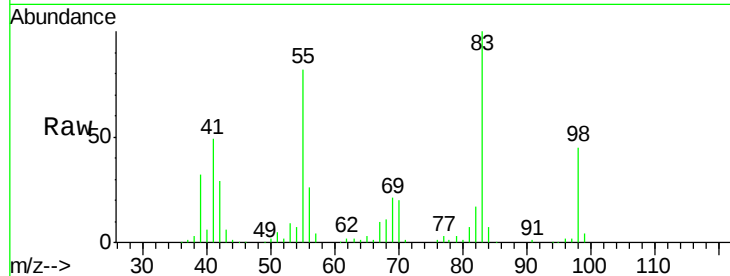
#39
Methvlcvclohexane
Concen: 19.922 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129096		
55	82.5	61.8	92.6	
98	45.4	35.4	53.0	

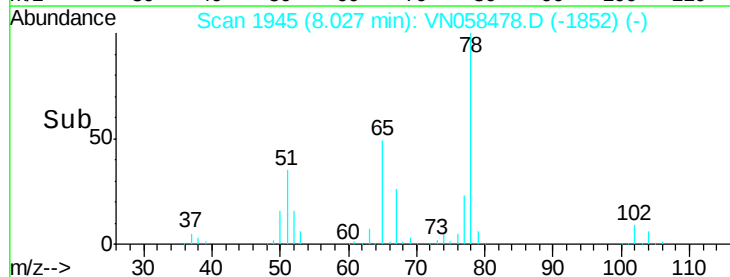
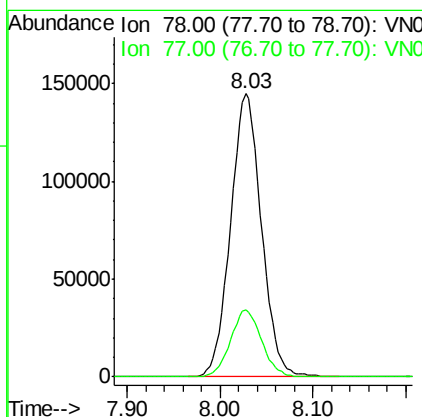
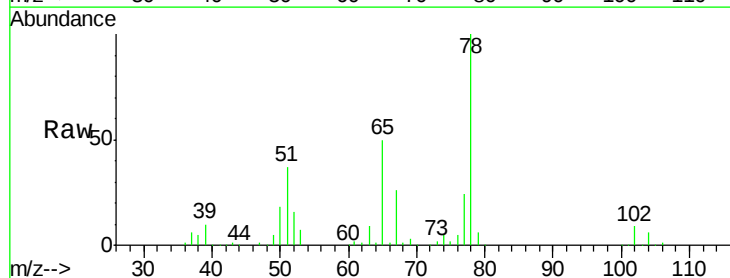
Manual Integrations
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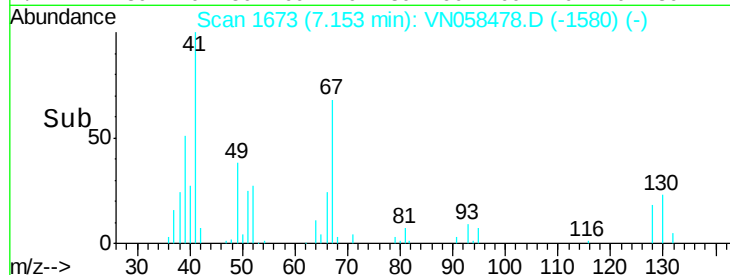
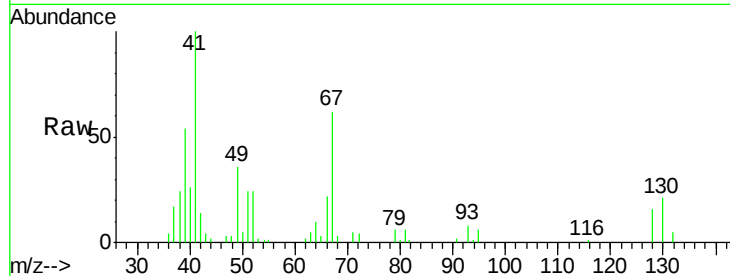
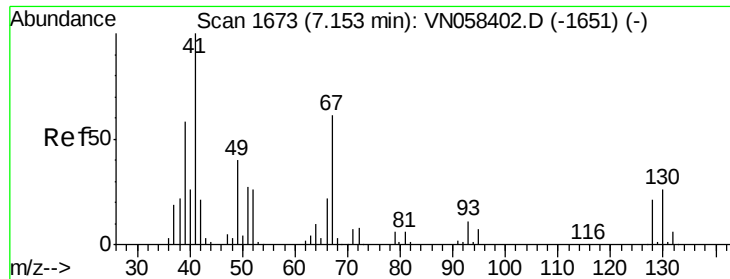
MMDadoda
10/3/2019 1:35:43 PM



#40
Benzene
Concen: 20.932 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	333886		
77	23.6	18.9	28.3	





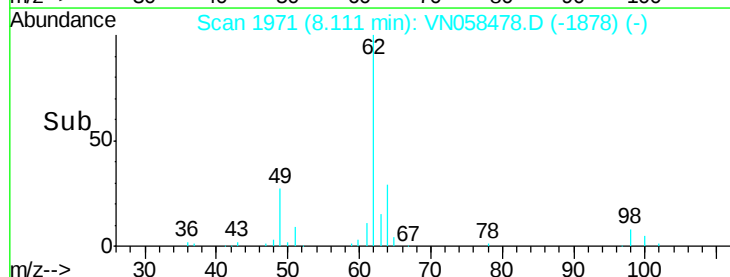
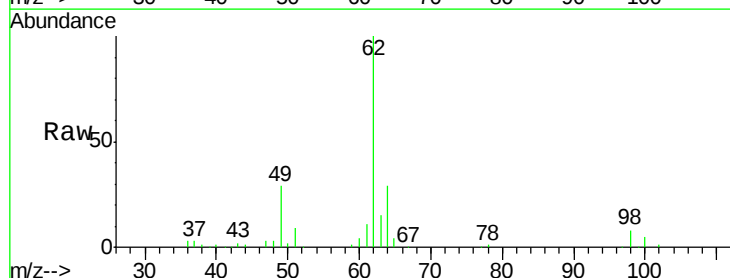
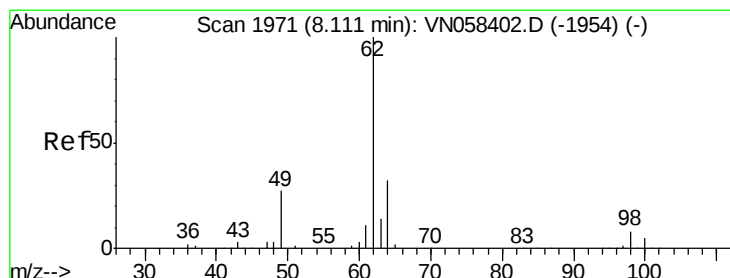
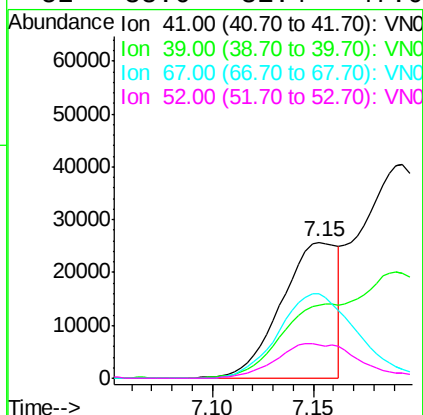
#41
Methacrylonitrile
Concen: 23.059 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	86.4	70.2	105.4
52	38.6	31.4	47.0

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

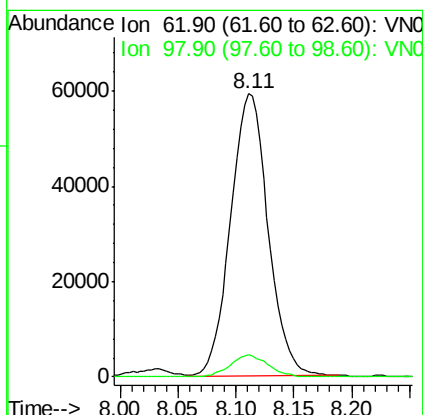
Manual Integrations
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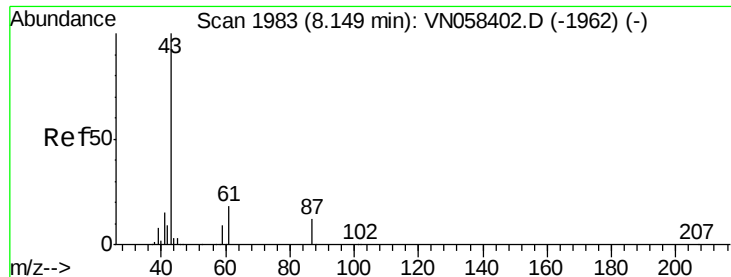
MMDadoda
10/3/2019 1:35:43 PM



#42
1,2-Dichloroethane
Concen: 21.432 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





#43

Isopropyl Acetate

Concen: 20.533 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

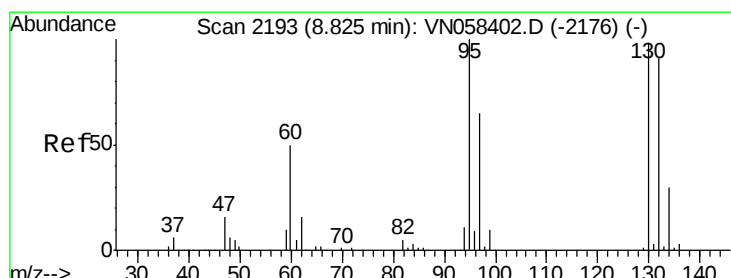
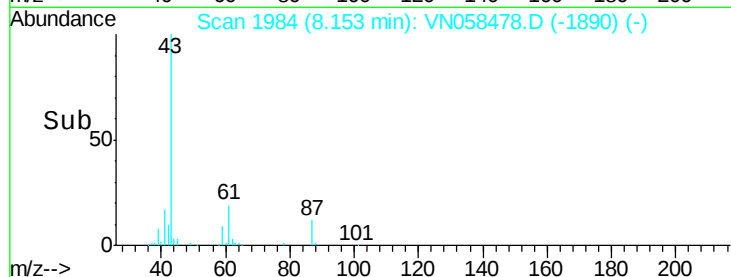
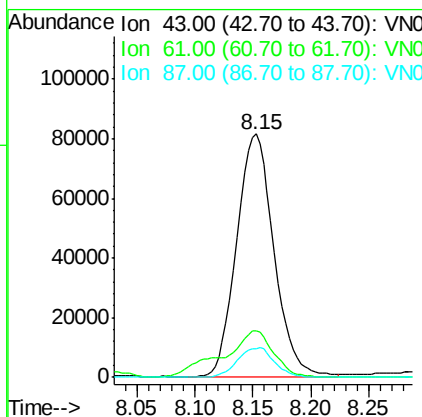
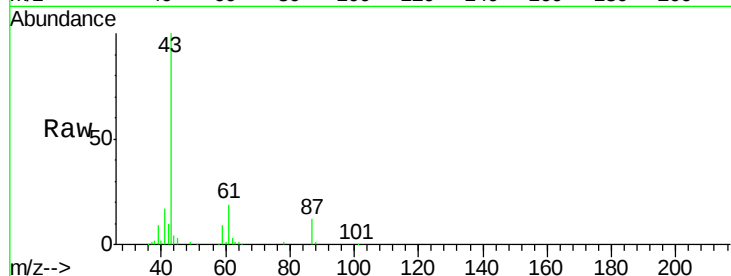
ClientSampleId :

VN1002WBS01

Tot Ion:	43	Resp:	181660
Ion Ratio		Lower	Upper
43	100		
61	26.0	14.8	22.2#
87	12.0	9.7	14.5

Manual Integrations
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MMDadoda
10/3/2019 1:35:43 PM



#44

Trichloroethene

Concen: 20.817 ug/l

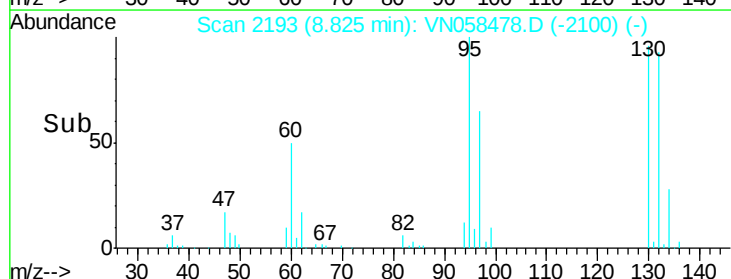
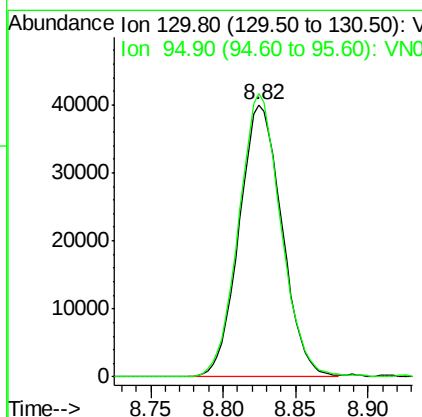
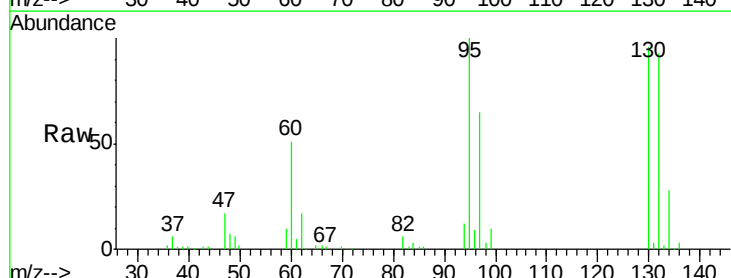
RT: 8.82 min Scan# 2193

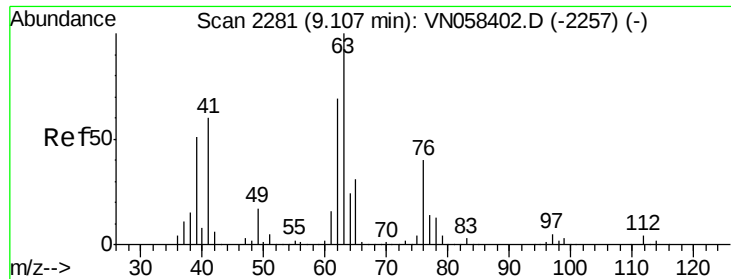
Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Tgt Ion:	130	Resp:	81987
Ion Ratio		Lower	Upper
130	100		
95	104.0	0.0	204.2





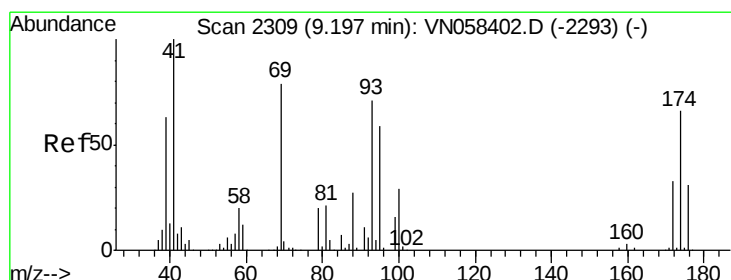
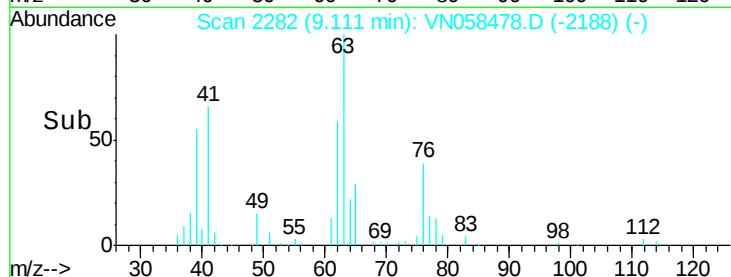
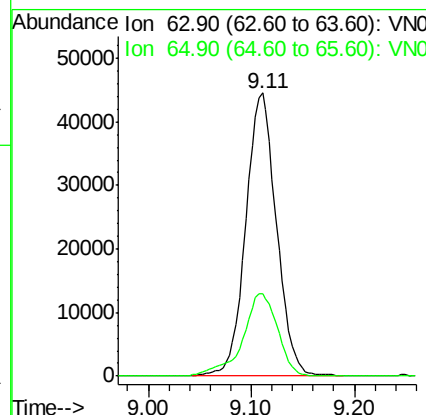
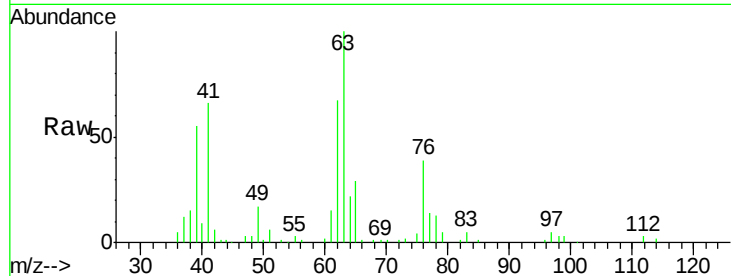
#45
 1,2-Dichloropropane
 Concen: 21.544 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion: 63 Resp: 92163
 Ion Ratio Lower Upper
 63 100
 65 29.0 25.0 37.4

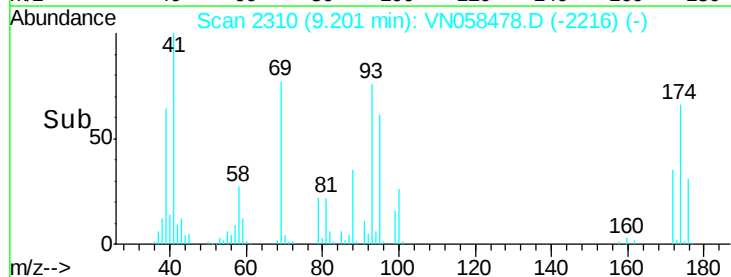
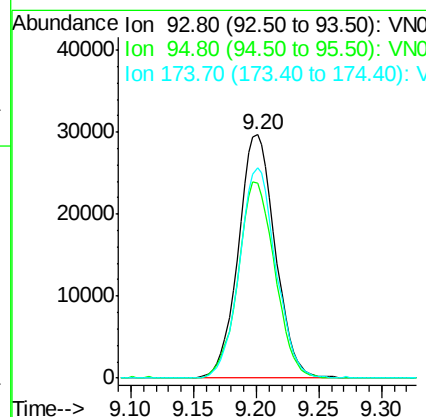
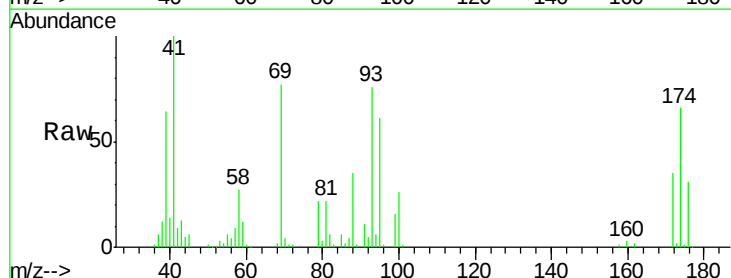
Manual Integrations
 APPROVED

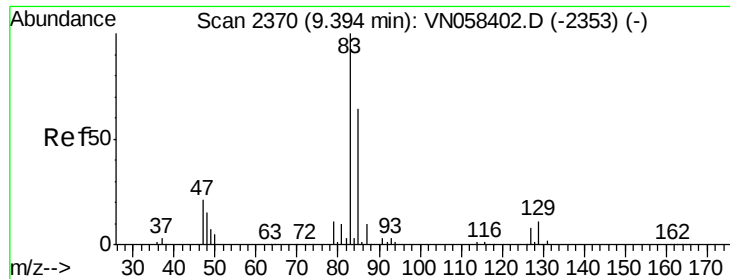
MMDadoda
 10/3/2019 1:35:43 PM



#46
 Dibromomethane
 Concen: 22.345 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion: 93 Resp: 60536
 Ion Ratio Lower Upper
 93 100
 95 80.1 67.0 100.4
 174 85.5 74.2 111.2





#47

Bromodichloromethane

Concen: 22.369 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

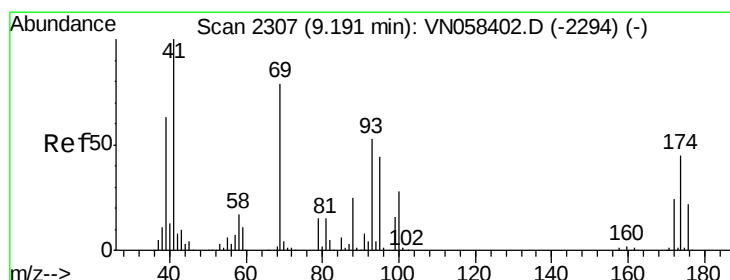
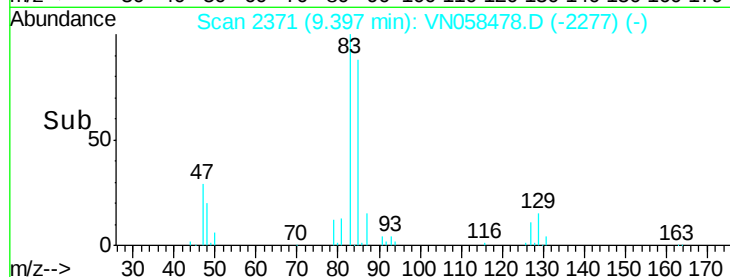
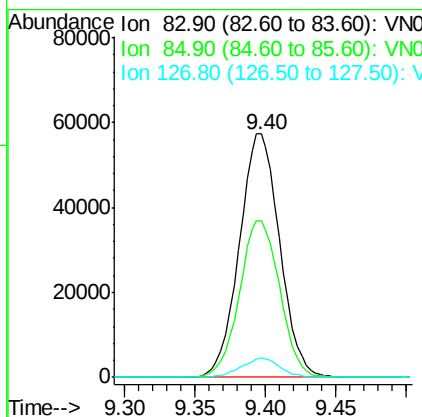
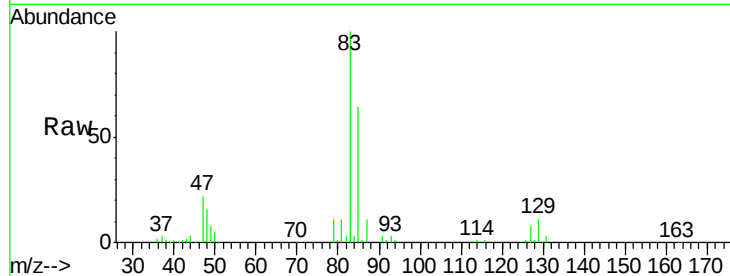
ClientSampleId :

VN1002WBS01

Tot Ion:	83	Resp:	114816
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.2	76.8
127	7.9	6.3	9.5

Manual Integrations
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MMDadoda
10/3/2019 1:35:43 PM



#48

Methyl methacrylate

Concen: 22.852 ug/l

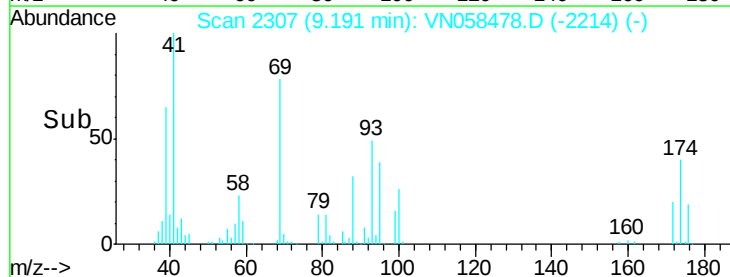
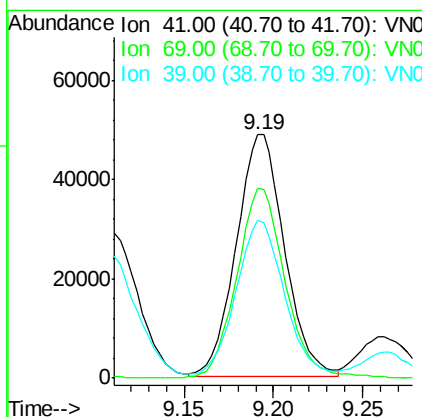
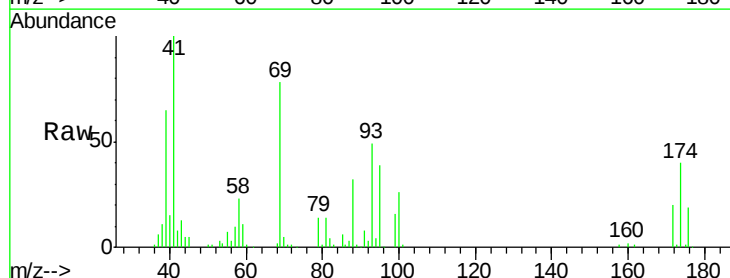
RT: 9.19 min Scan# 2307

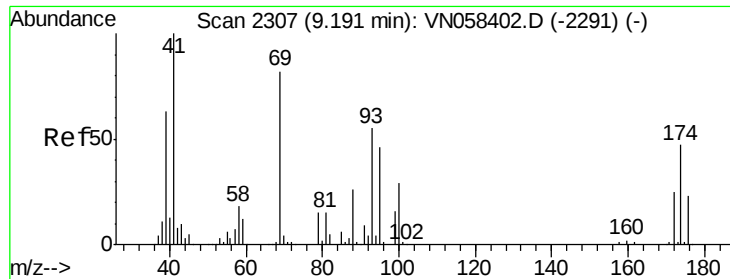
Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Tgt Ion:	41	Resp:	92057
Ion Ratio	Lower	Upper	
41	100		
69	78.6	64.7	97.1
39	66.1	52.9	79.3





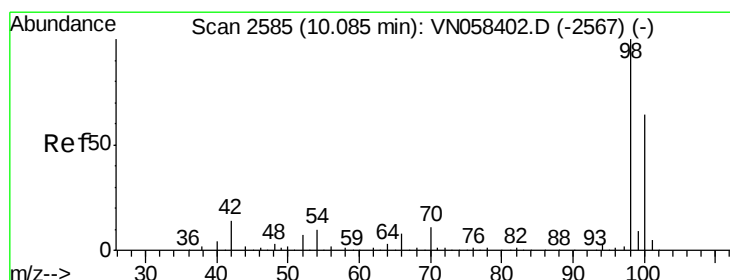
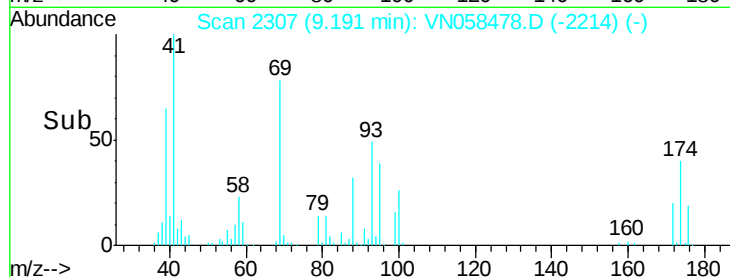
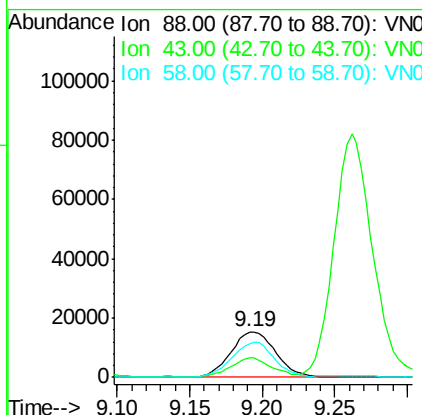
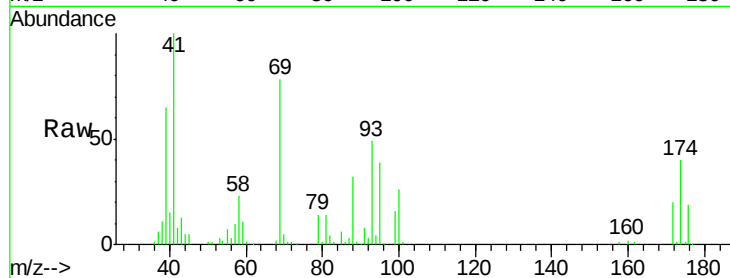
#49
1,4-Dioxane
Concen: 616.476 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	31.1	46.7
58	72.0	58.1	87.1

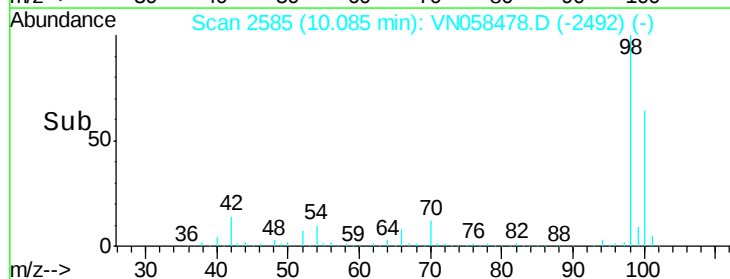
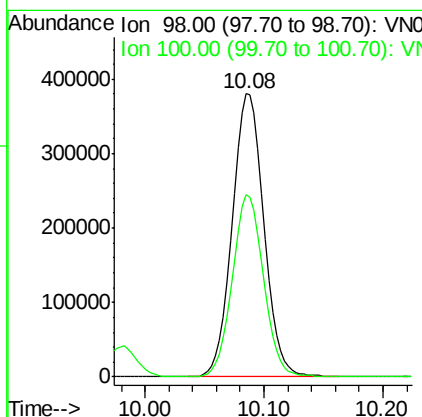
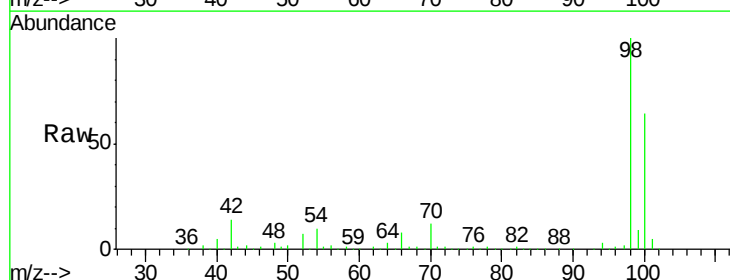
Manual Integrations
APPROVED

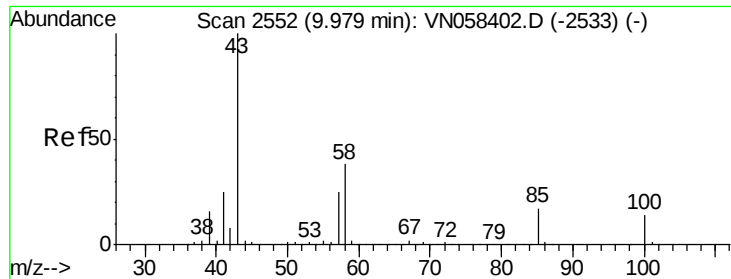
MMDadoda
10/3/2019 1:35:43 PM



#50
Toluene-d8
Concen: 50.388 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 126.210 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 43 Resp: 573552

Ion Ratio Lower Upper

43 100

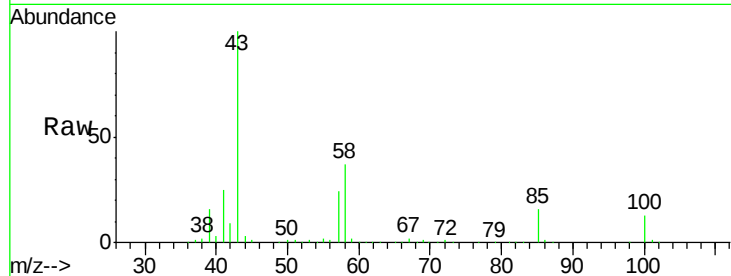
58 36.4 30.2 45.2

Manual Integrations

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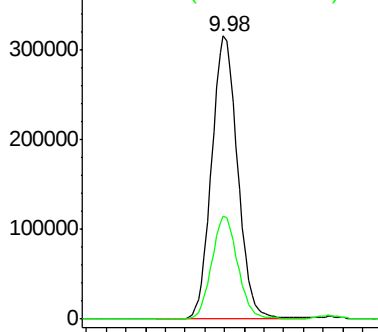
MMDadoda

10/3/2019 1:35:43 PM

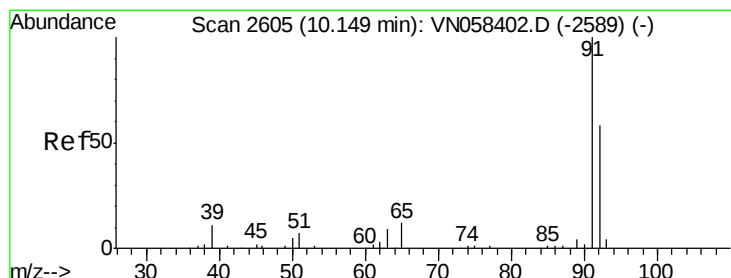
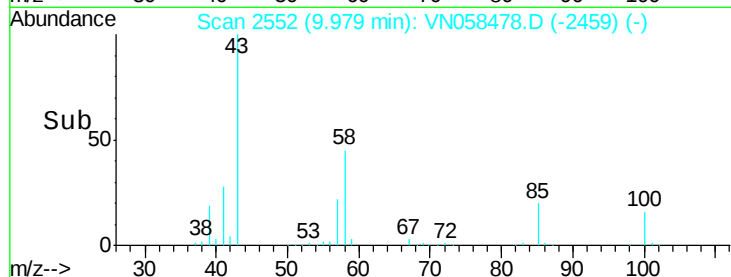


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 20.124 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058478.D

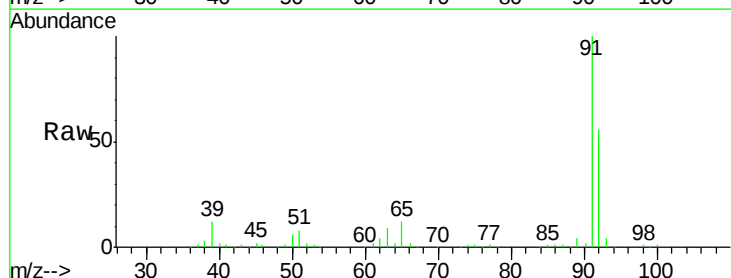
Acq: 2 Oct 2019 16:38

Tgt Ion: 92 Resp: 202040

Ion Ratio Lower Upper

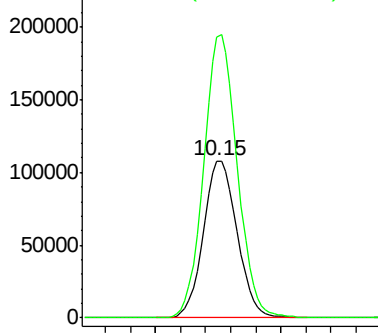
92 100

91 178.3 140.2 210.4

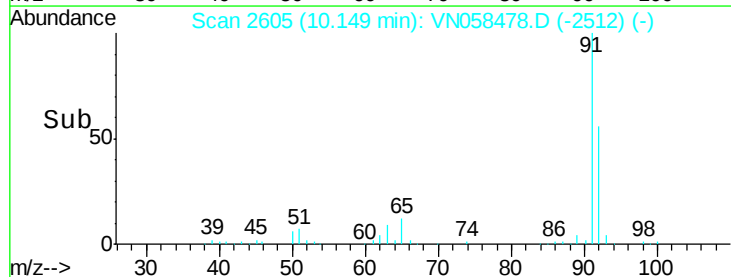


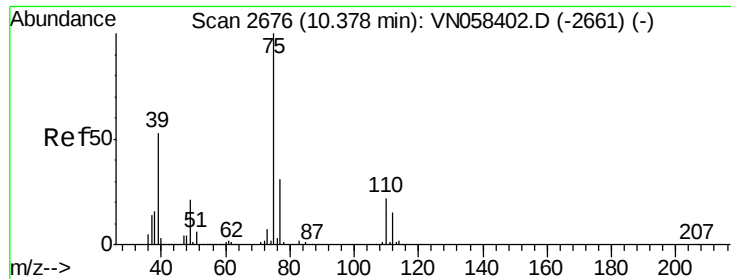
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





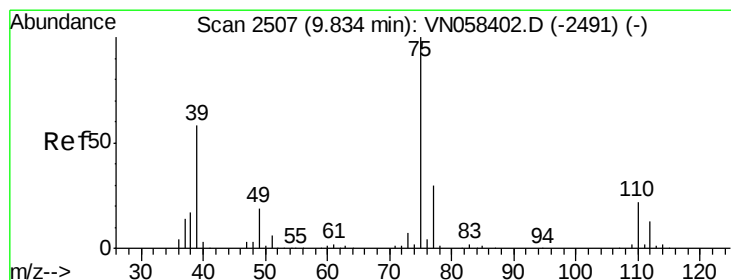
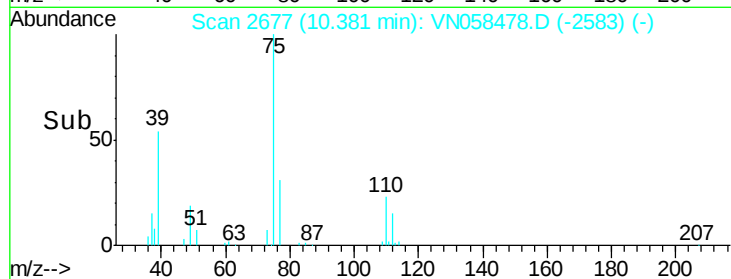
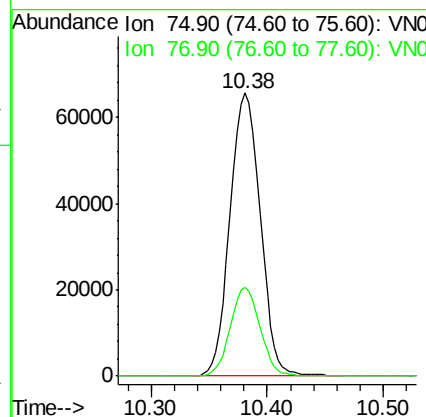
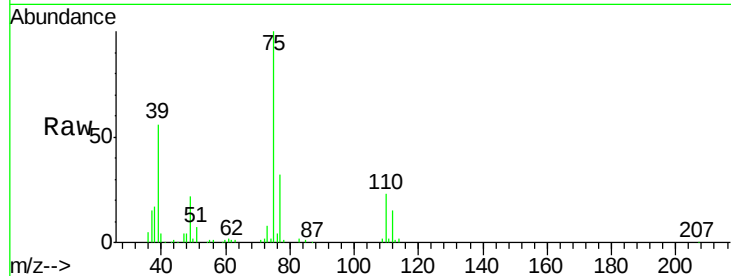
#53
t-1,3-Dichloropropene
Concen: 21.268 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion: 75 Resp: 118821
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8

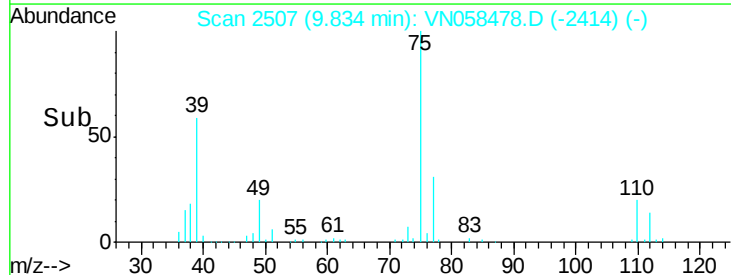
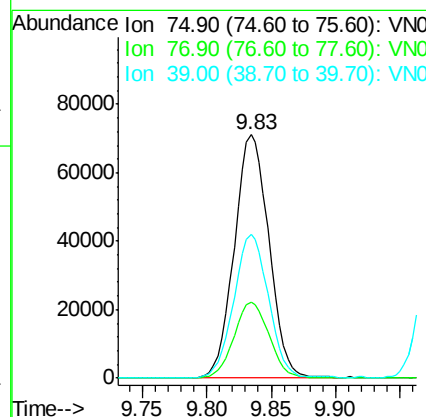
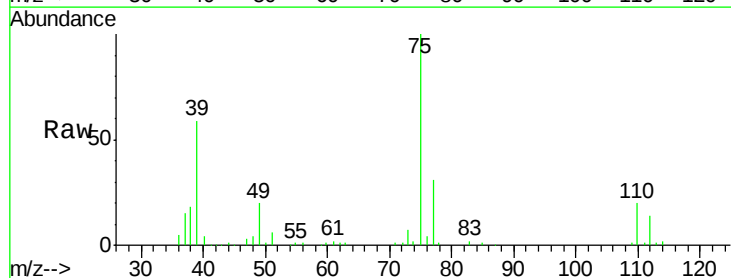
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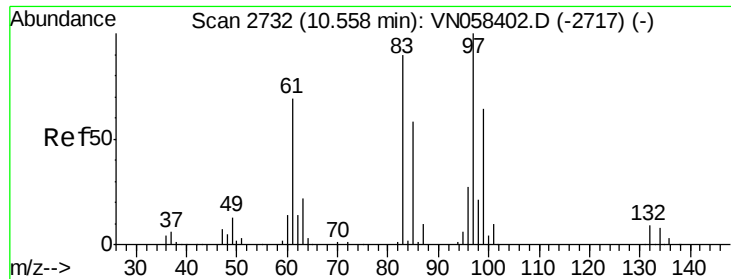
MMDadoda
10/3/2019 1:35:43 PM



#54
cis-1,3-Dichloropropene
Concen: 21.401 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 75 Resp: 132720
Ion Ratio Lower Upper
75 100
77 31.2 24.2 36.4
39 59.0 46.4 69.6





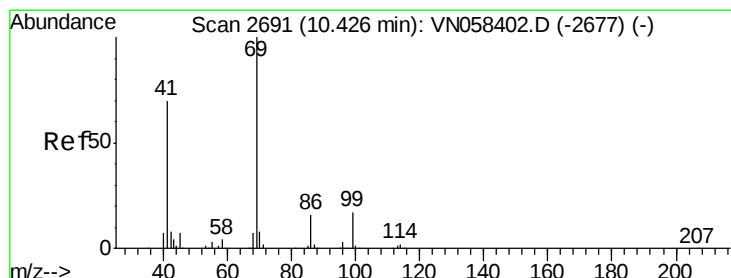
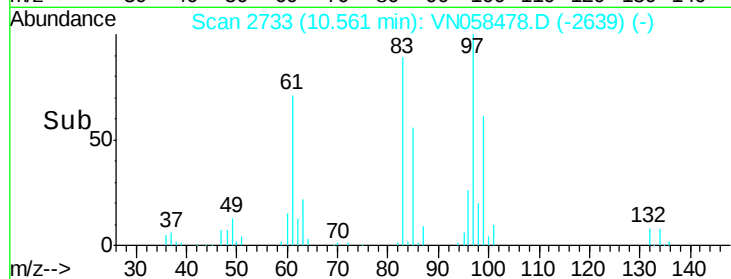
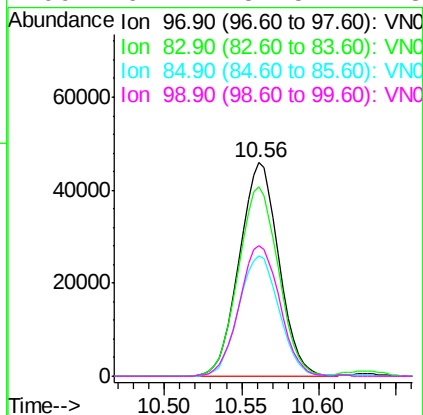
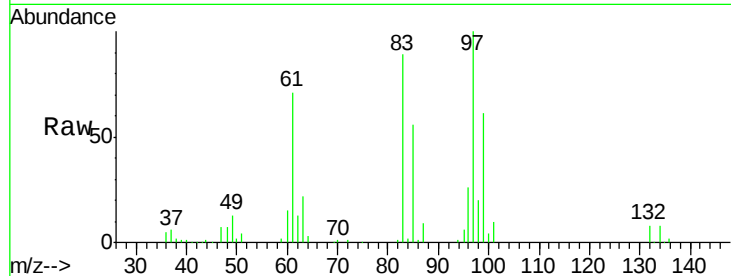
#55
 1,1,2-Trichloroethane
 Concen: 22.332 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.8	107.6
85	56.2	46.6	69.8
99	61.4	51.5	77.3

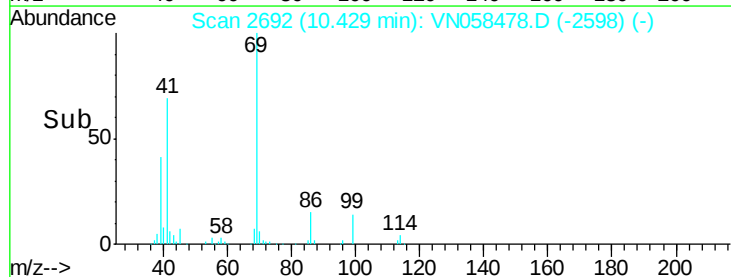
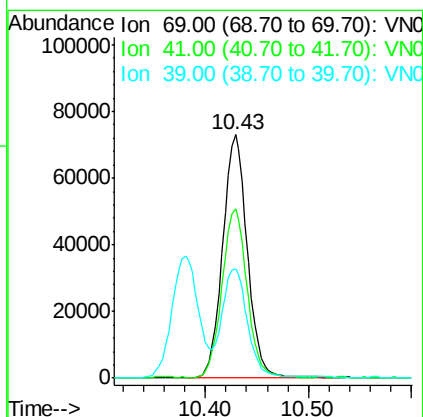
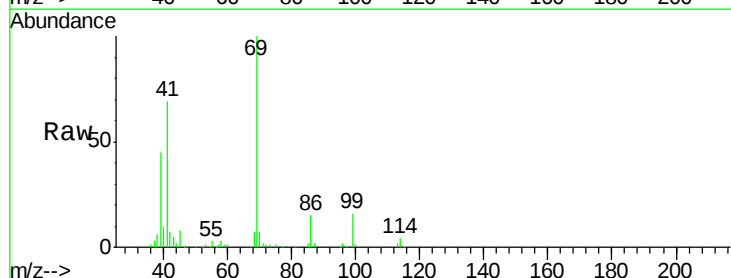
Manual Integrations
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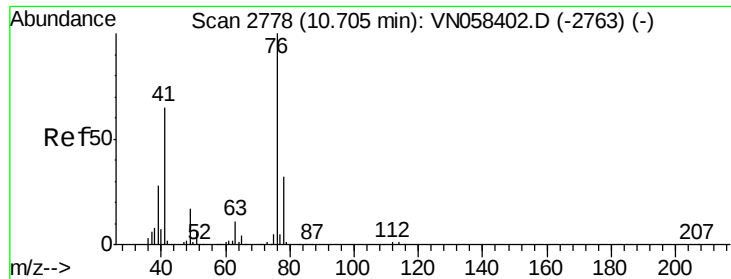
MMDadoda
 10/3/2019 1:35:43 PM



#56
 Ethyl methacrylate
 Concen: 21.919 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.3	84.5
39	44.9	35.8	53.6





#57

1,3-Dichloropropane

Concen: 22.299 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 76 Resp: 145403

Ion Ratio Lower Upper

76 100

78 31.8

25.7

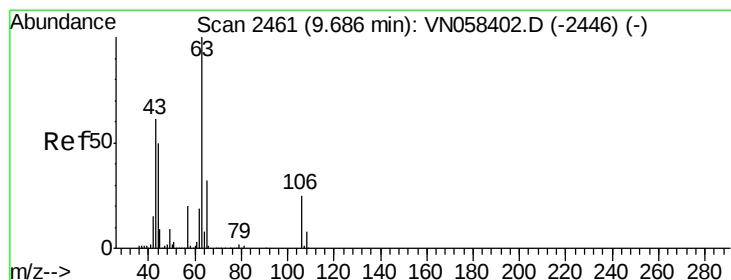
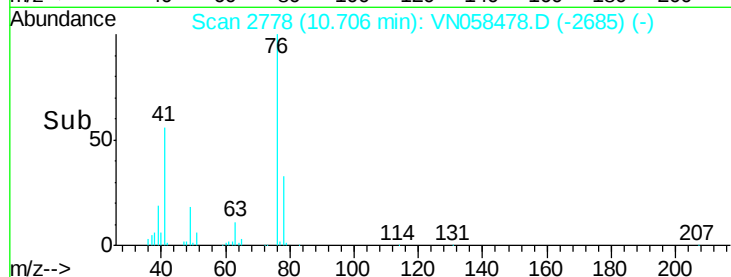
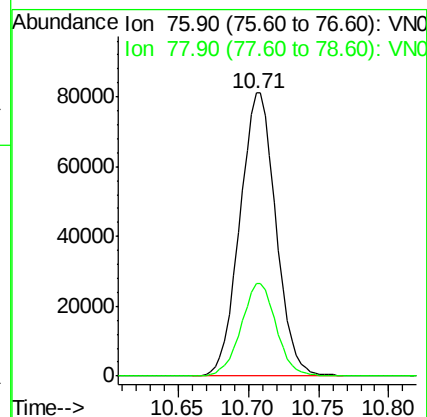
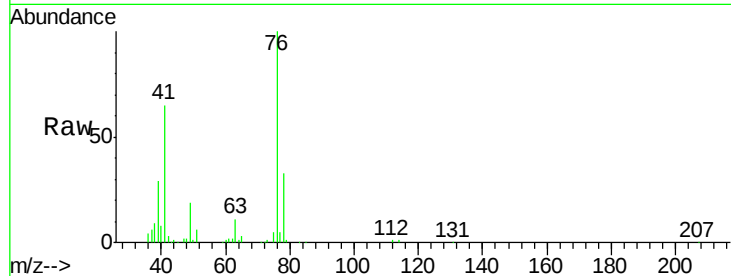
38.5

Manual Integrations

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MMDadoda

10/3/2019 1:35:43 PM



#58

2-Chloroethyl Vinyl ether

Concen: 105.965 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Tgt Ion: 63 Resp: 234384

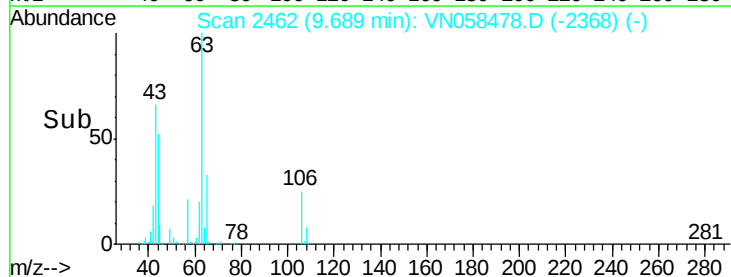
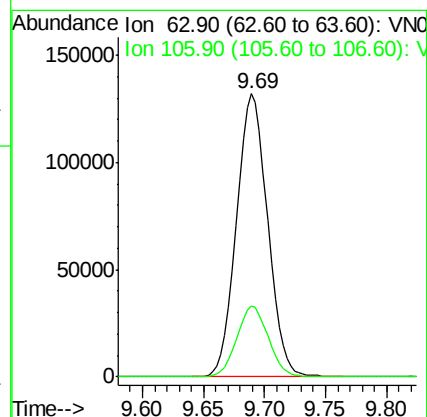
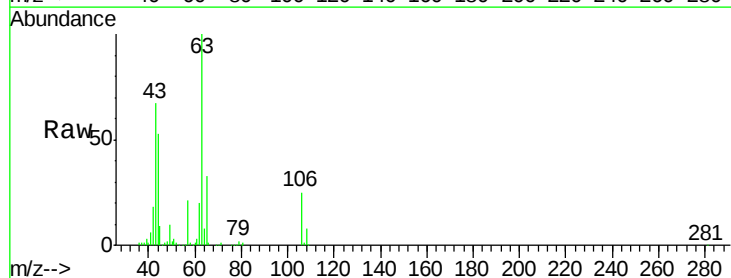
Ion Ratio Lower Upper

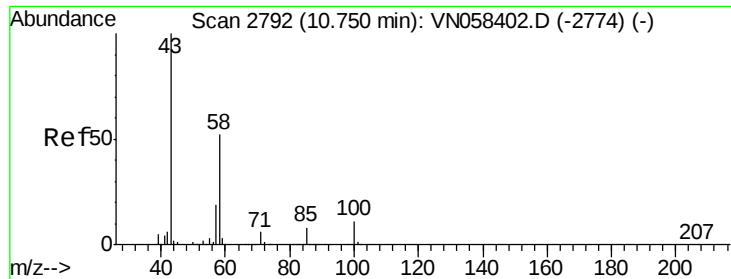
63 100

106 25.2

20.3

30.5





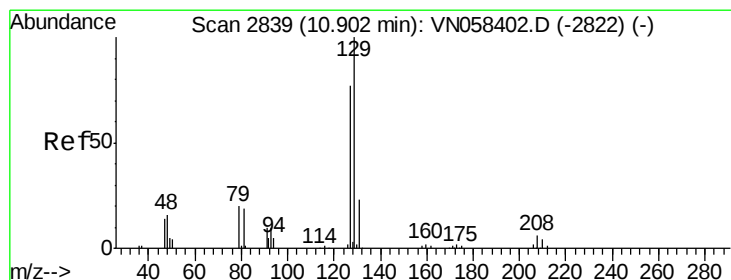
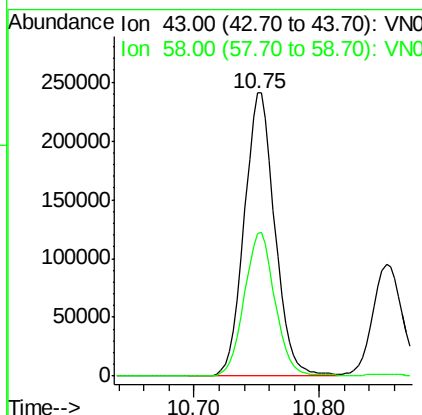
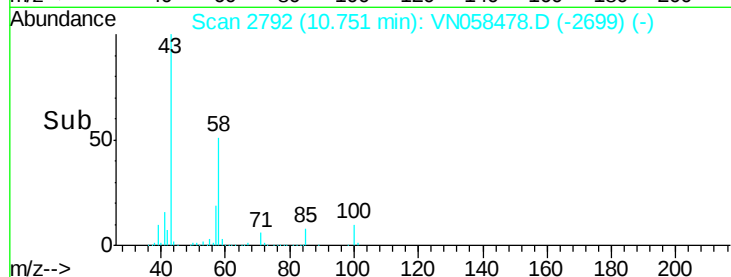
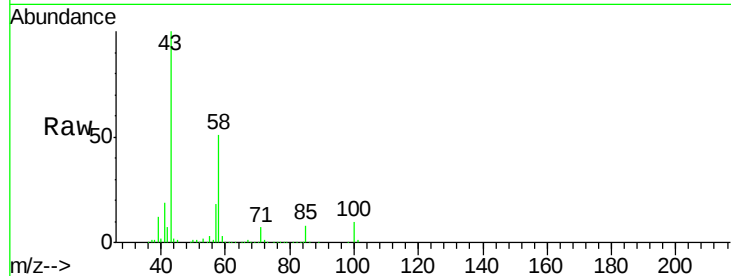
#59
2-Hexanone
Concen: 123.615 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

Tot Ion: 43 Resp: 409044
Ion Ratio Lower Upper
43 100
58 51.0 25.8 77.3

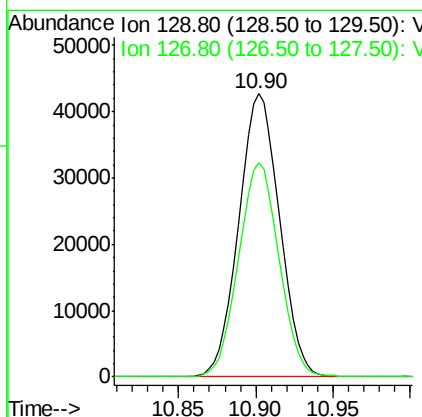
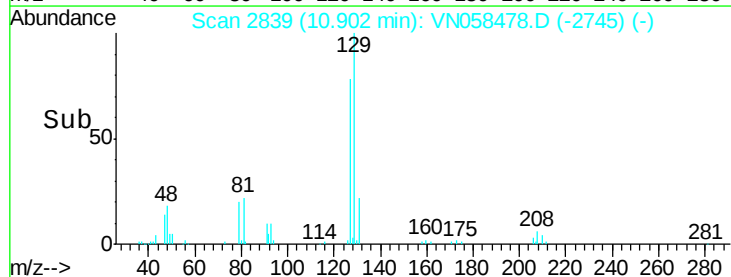
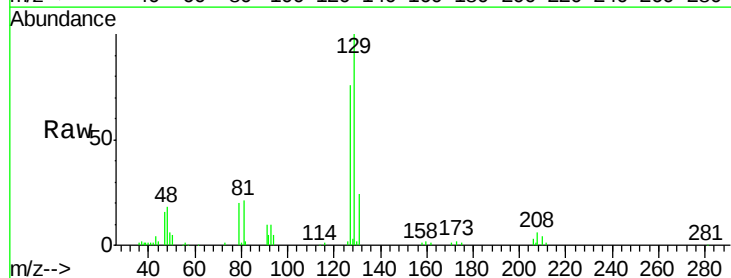
Manual Integrations
APPROVED

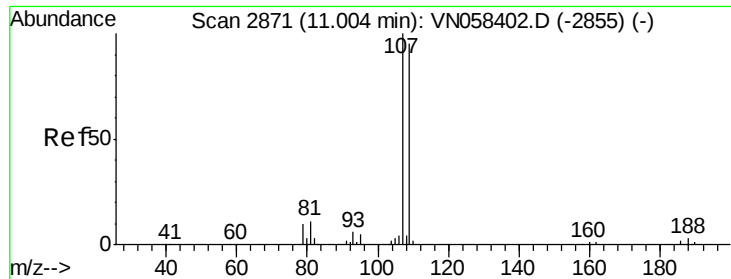
MMDadoda
10/3/2019 1:35:43 PM



#60
Dibromochloromethane
Concen: 20.371 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 129 Resp: 78356
Ion Ratio Lower Upper
129 100
127 75.0 38.3 114.8





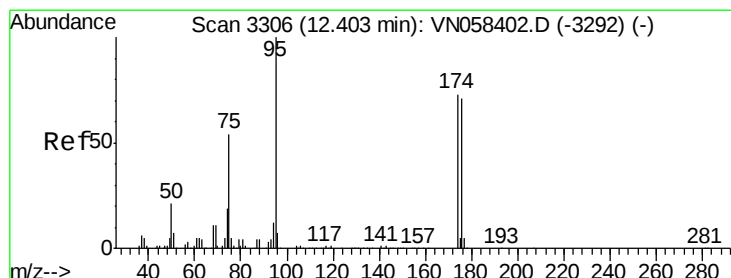
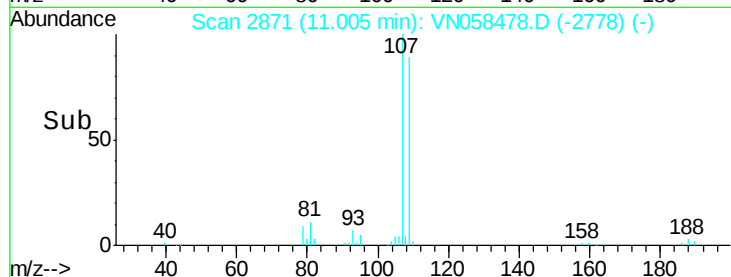
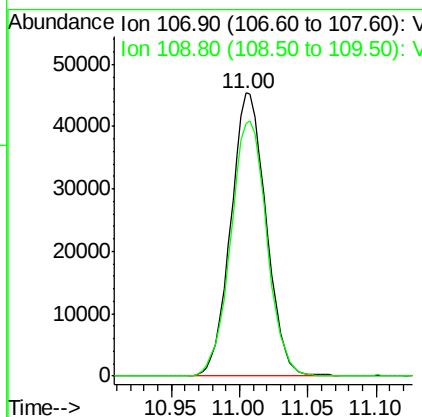
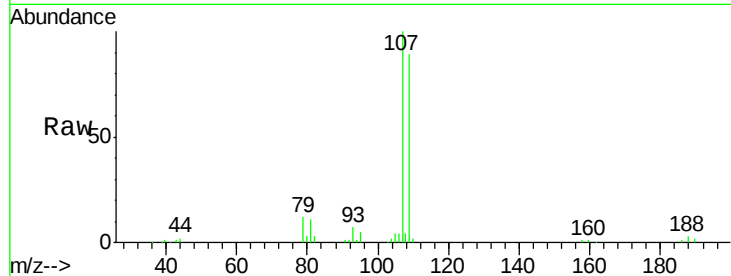
#61
 1,2-Dibromoethane
 Concen: 21.848 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion: 107 Resp: 81609
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.3 112.9

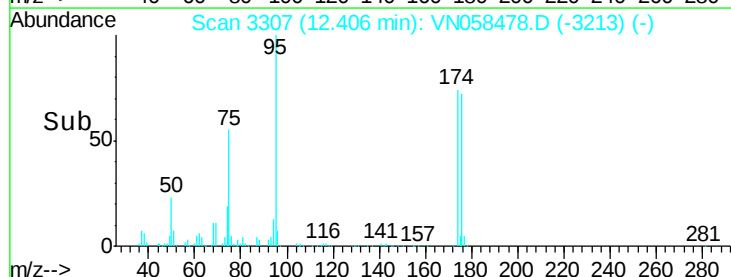
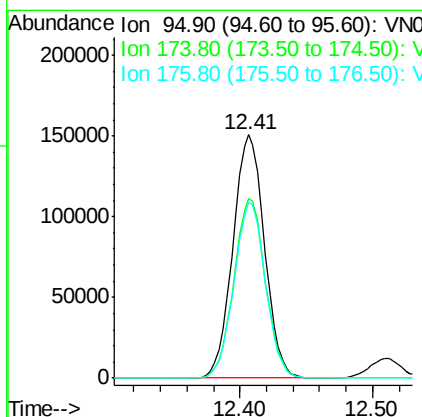
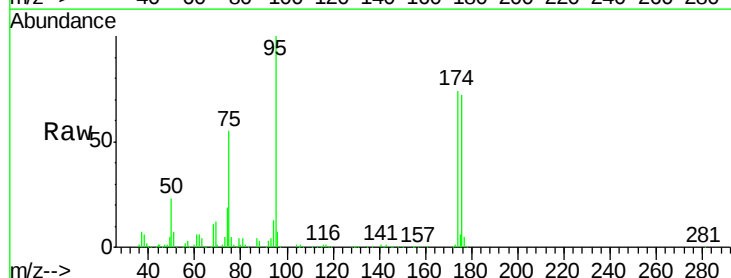
Manual Integrations
 APPROVED

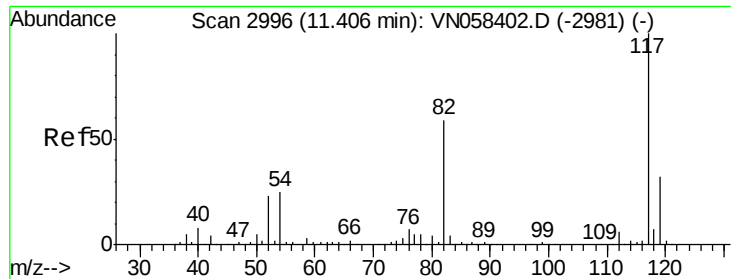
MMDadoda
 10/3/2019 1:35:43 PM



#62
 4-Bromofluorobenzene
 Concen: 49.400 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion: 95 Resp: 248882
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 150.6
 176 71.5 0.0 146.2





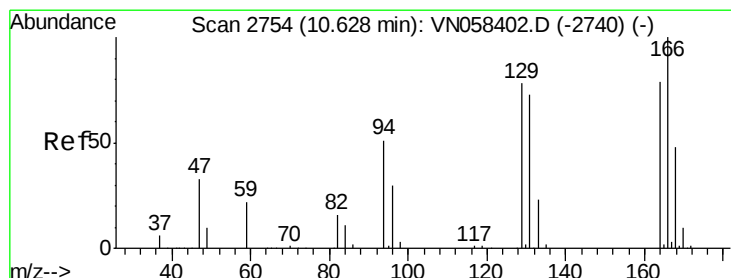
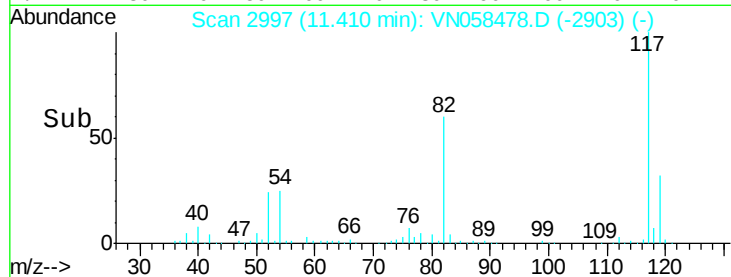
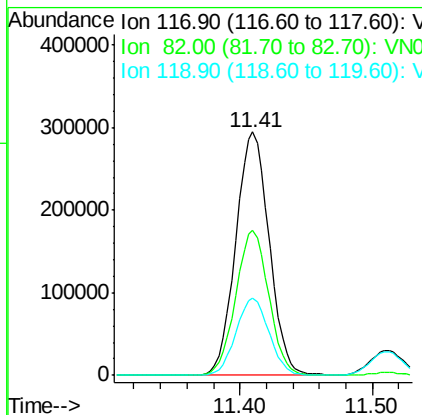
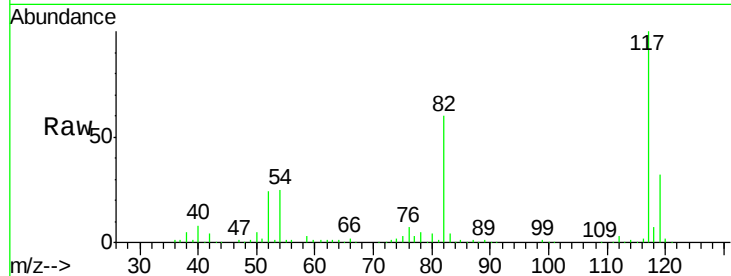
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.4	71.0
119	31.9	25.5	38.3

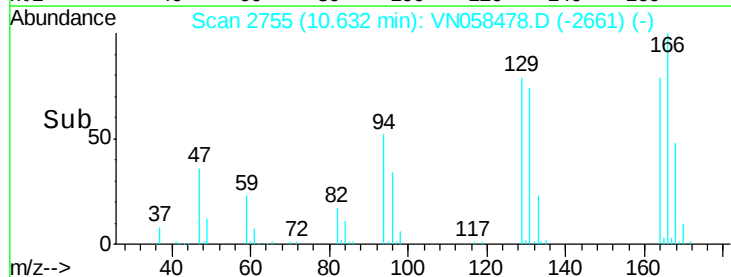
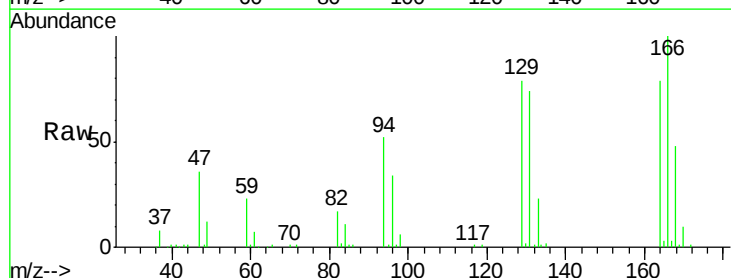
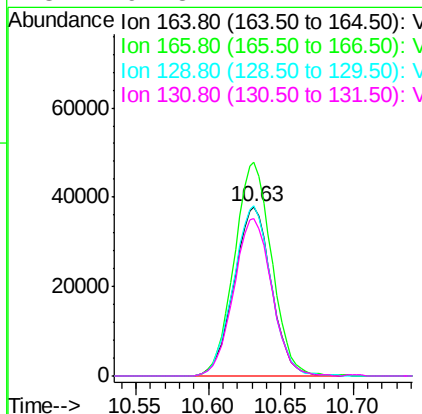
Manual Integrations
APPROVED

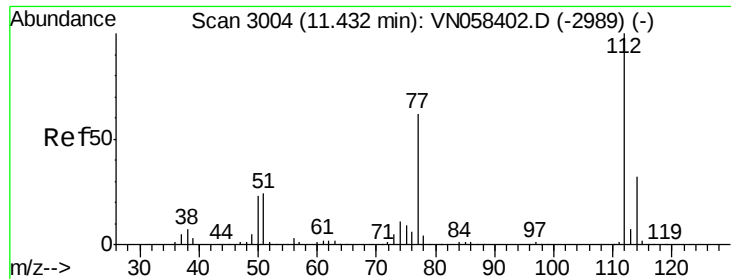
MMDadoda
10/3/2019 1:35:43 PM



#64
Tetrachloroethene
Concen: 20.748 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.1	151.7
129	100.1	79.2	118.8
131	92.8	74.1	111.1





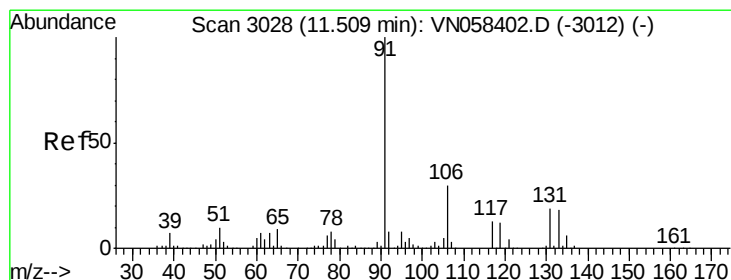
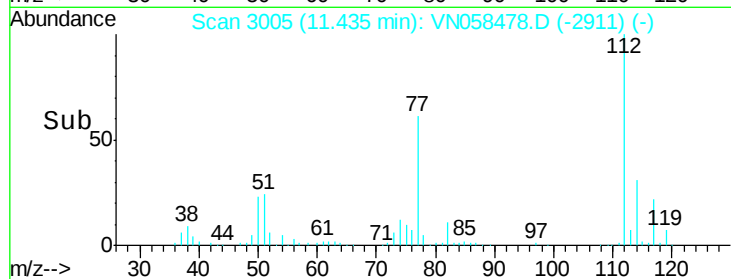
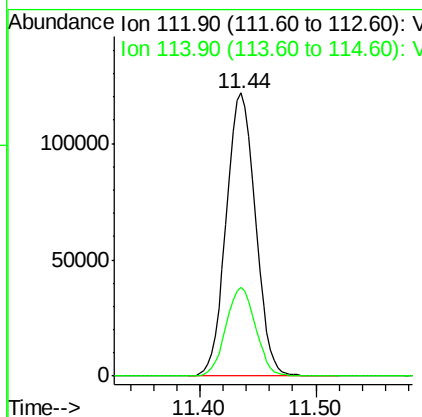
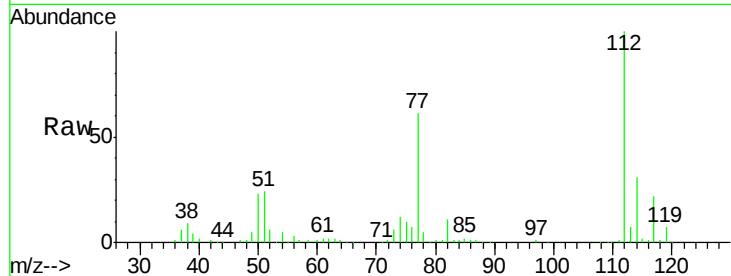
#65
Chlorobenzene
Concen: 20.663 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion:112 Resp: 211822
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2

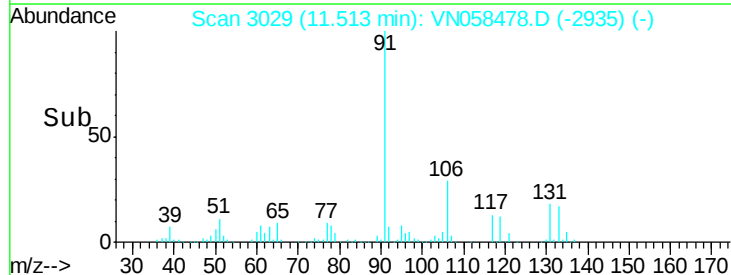
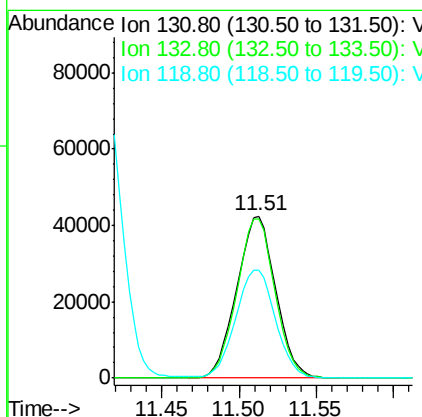
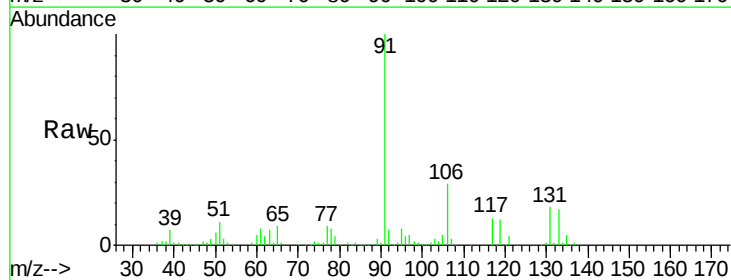
Manual Integrations
APPROVED

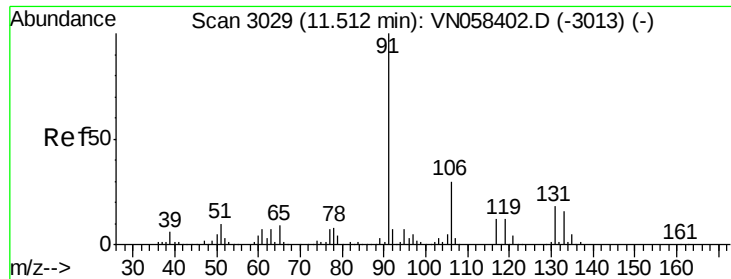
MMDadoda
10/3/2019 1:35:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.596 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion:131 Resp: 74590
Ion Ratio Lower Upper
131 100
133 95.8 47.8 143.3
119 68.3 33.0 99.0





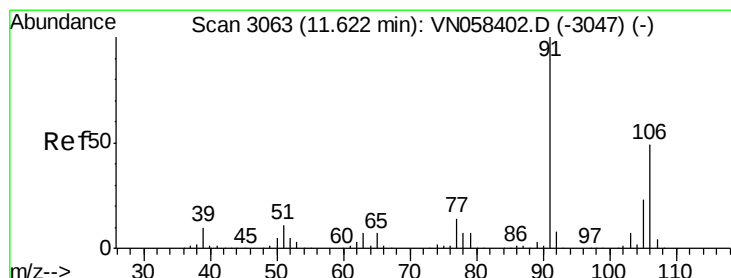
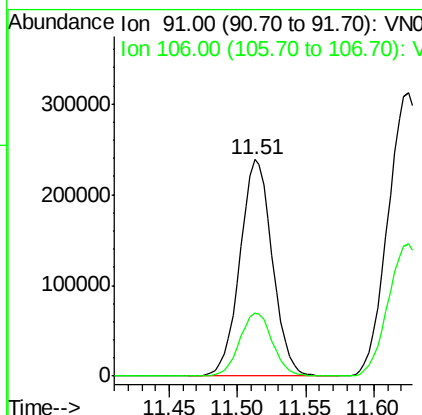
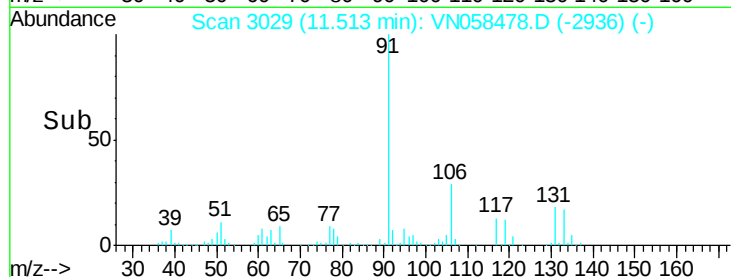
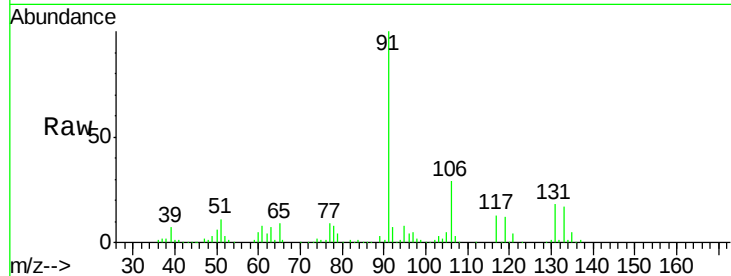
#67
Ethyl Benzene
Concen: 21.240 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion: 91 Resp: 394382
Ion Ratio Lower Upper
91 100
106 29.3 24.3 36.5

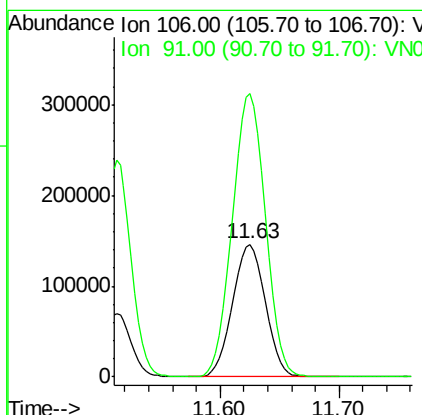
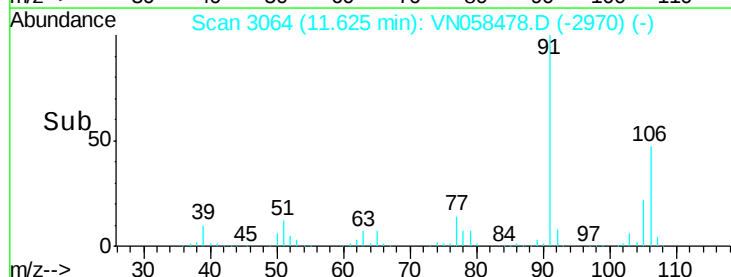
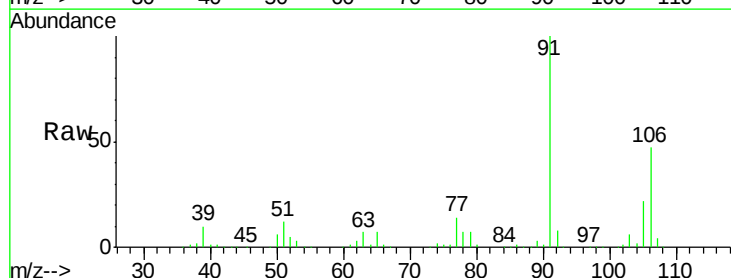
Manual Integrations
APPROVED

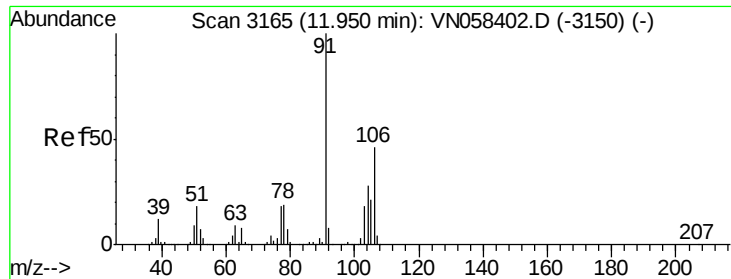
MMDadoda
10/3/2019 1:35:43 PM



#68
m/p-Xylenes
Concen: 40.020 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 106 Resp: 279573
Ion Ratio Lower Upper
106 100
91 214.8 165.0 247.4





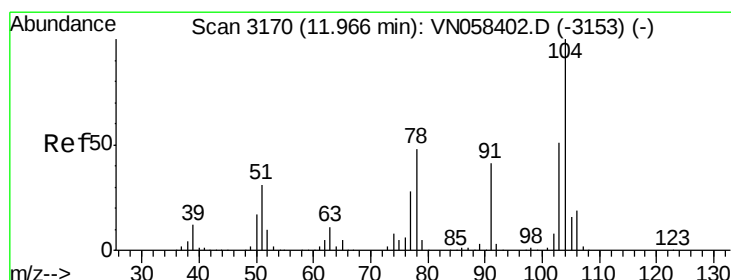
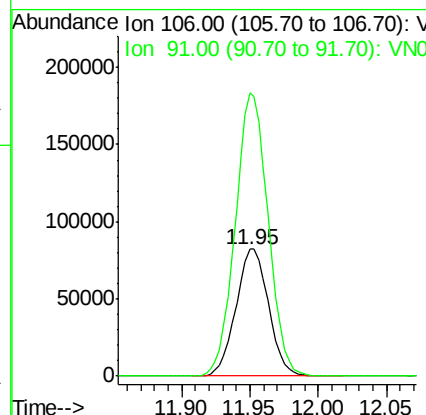
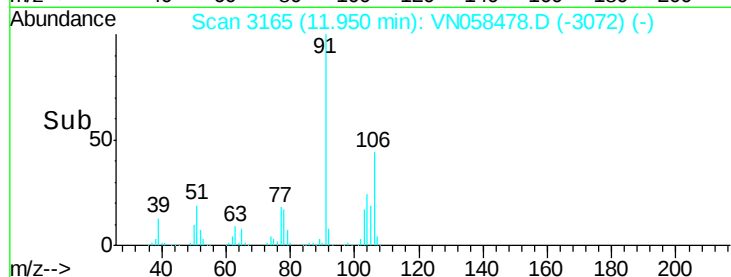
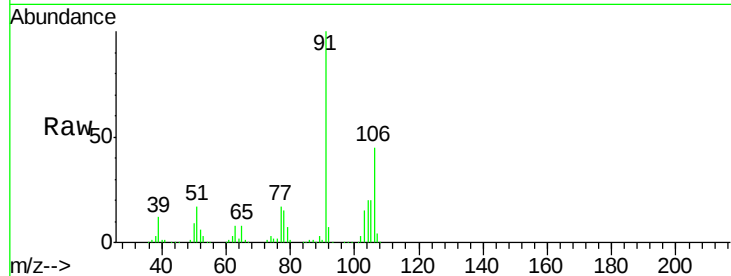
#69
o-Xylene
Concen: 20.364 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	223.4	109.1	136945	327.4	

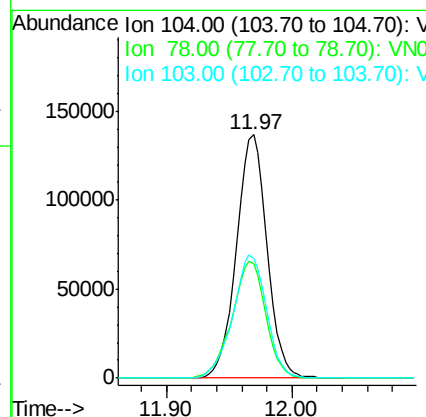
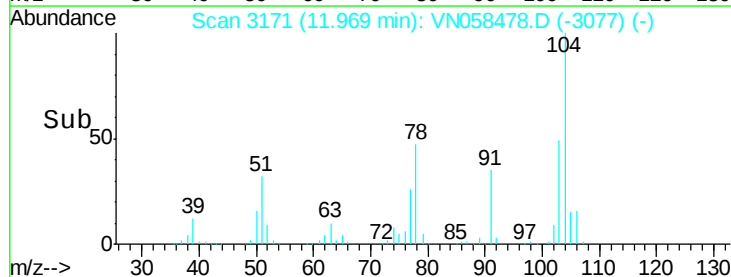
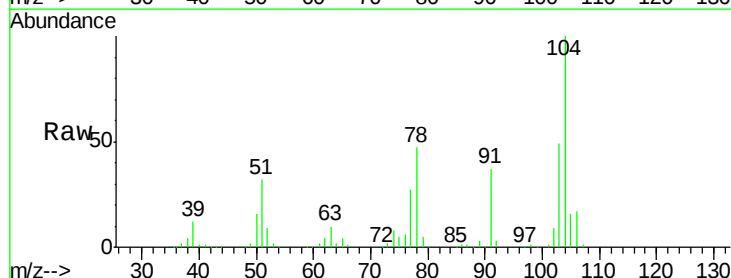
Manual Integrations
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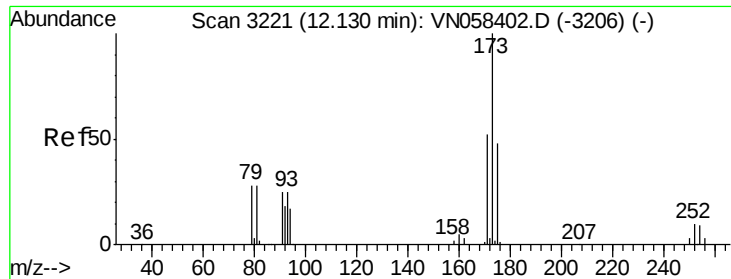
MMDadoda
10/3/2019 1:35:43 PM



#70
Styrene
Concen: 21.222 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	53.0	42.8	231854	64.2	
103	55.5	43.7		65.5	





#71

Bromoform

Concen: 20.246 ug/l

RT: 12.13 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion:173 Resp: 47322

Ion Ratio Lower Upper

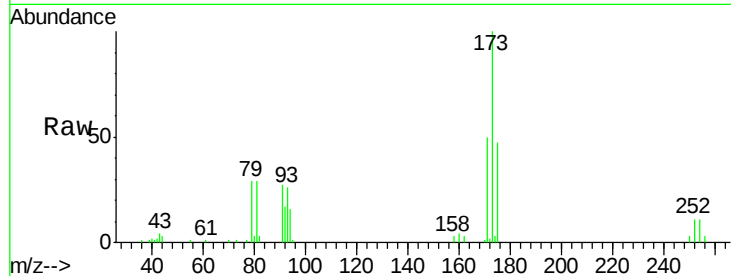
173 100

175 48.7 24.3 73.0

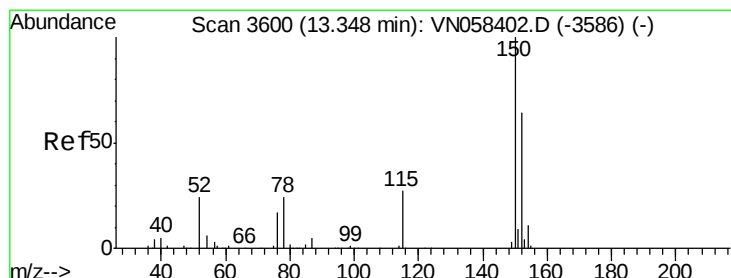
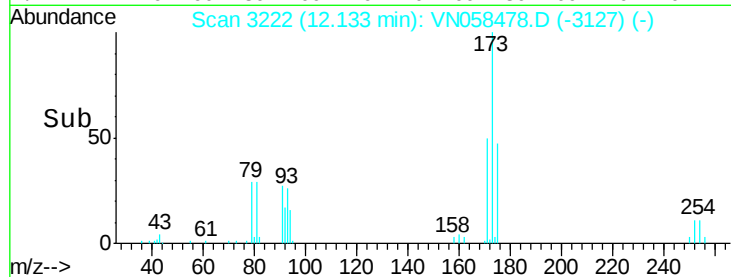
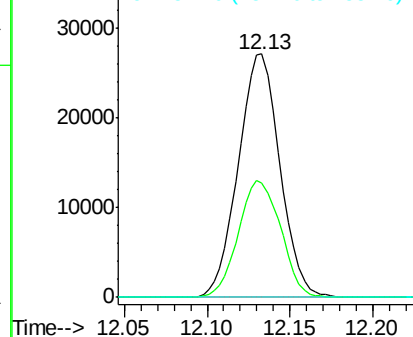
254 0.0 0.1 0.1#

Manual Integrations
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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# 3601

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

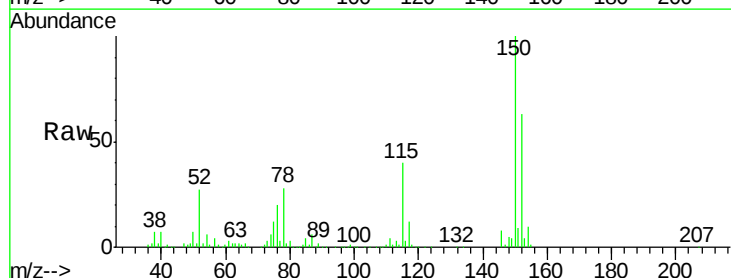
Tgt Ion:152 Resp: 236030

Ion Ratio Lower Upper

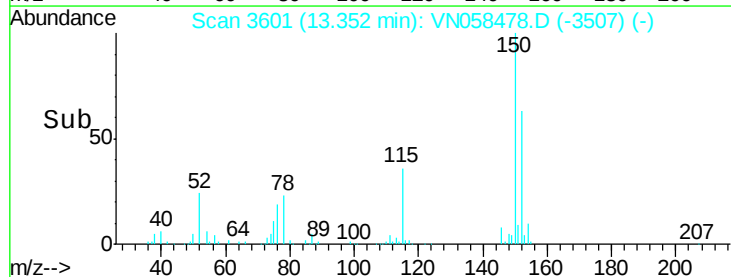
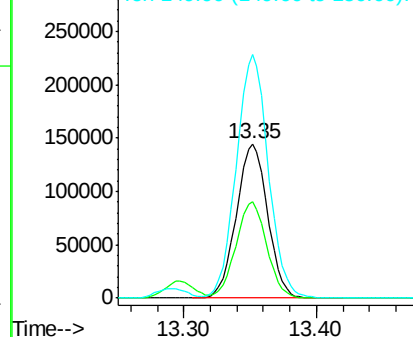
152 100

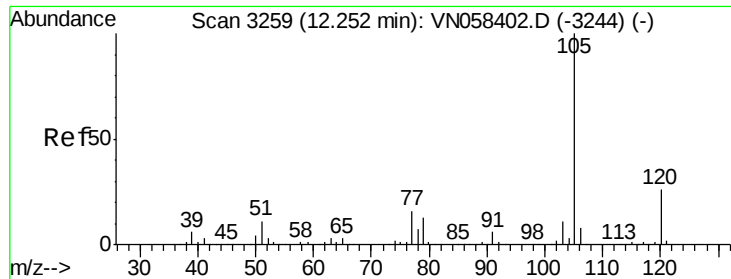
115 61.6 30.0 90.0

150 161.9 0.0 348.2



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: 21.523 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

VN1002WBS01

Tot Ion: 105 Resp: 375438

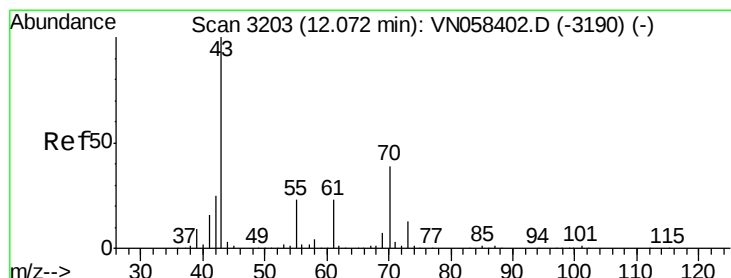
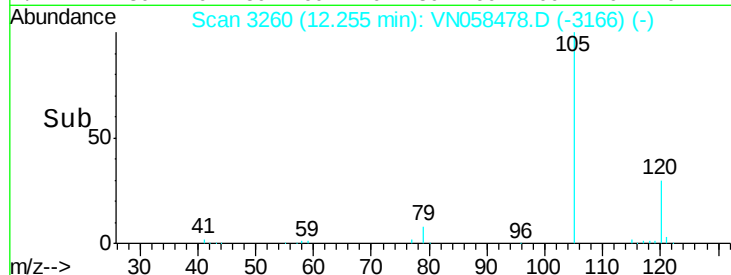
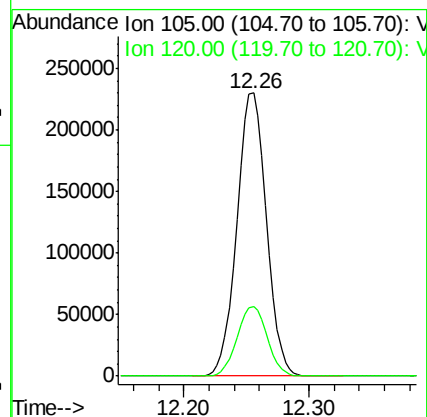
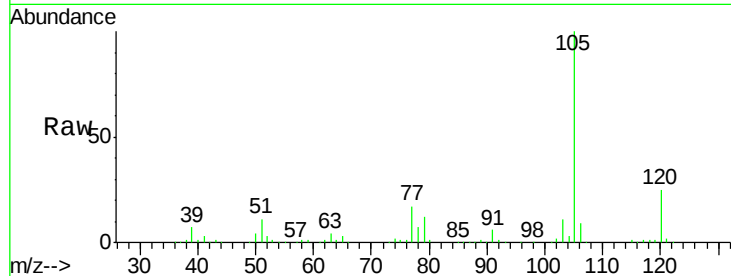
Ion Ratio Lower Upper

105 100

120 25.2 12.8 38.4

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 21.875 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Tgt Ion: 43 Resp: 151802

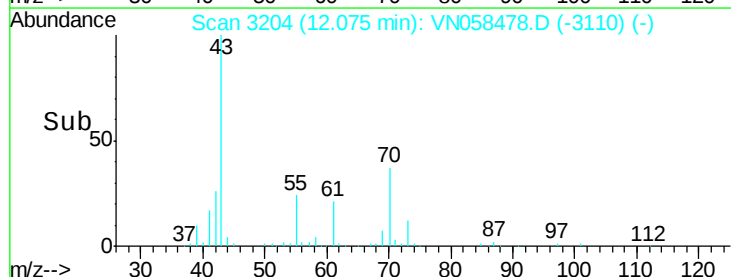
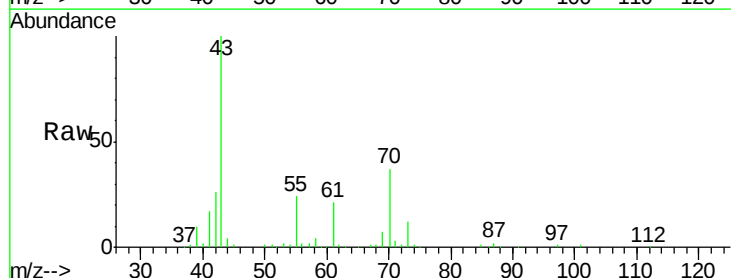
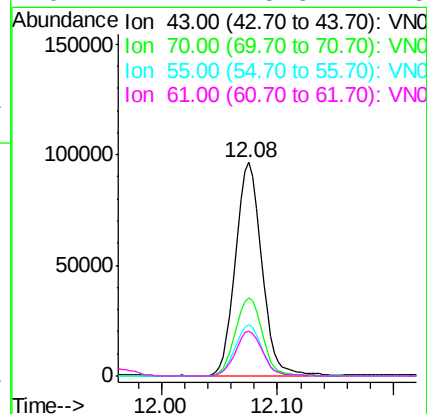
Ion Ratio Lower Upper

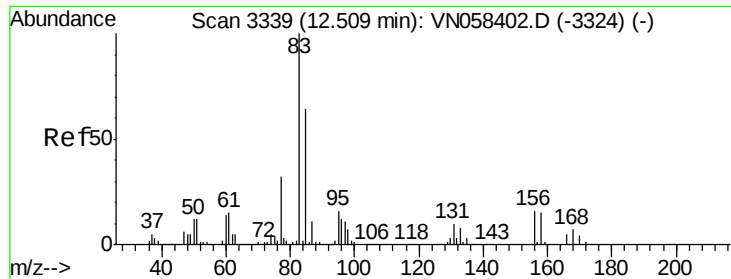
43 100

70 37.6 31.4 47.2

55 24.2 18.2 27.4

61 21.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 23.284 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

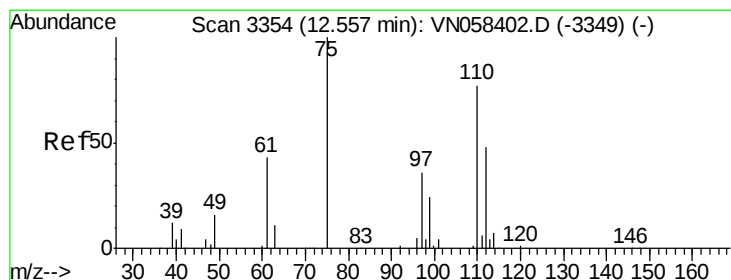
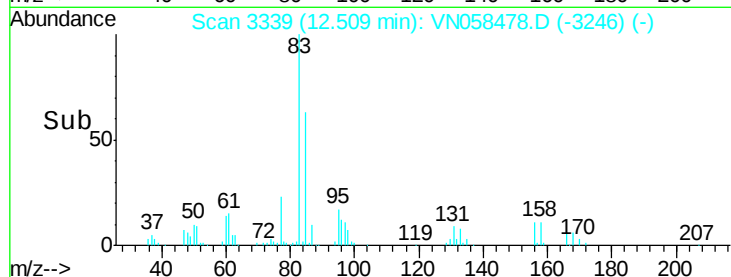
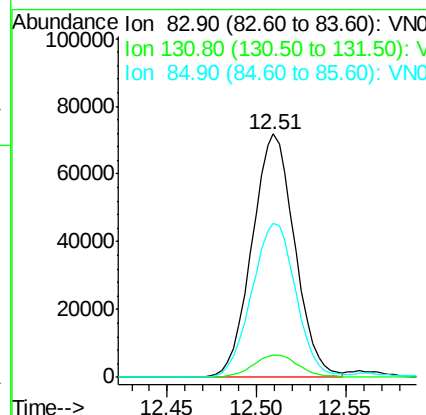
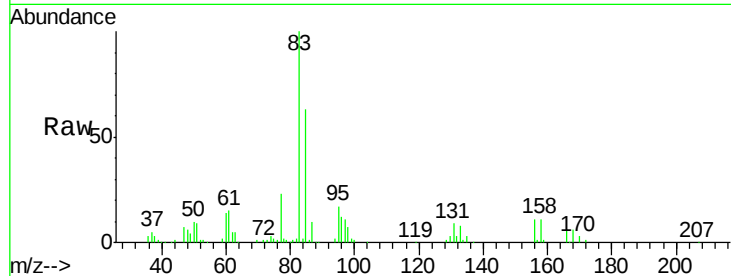
ClientSampleId :

VN1002WBS01

Tot Ion:	83	Resp:	120100
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	65.4	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.020 ug/l m

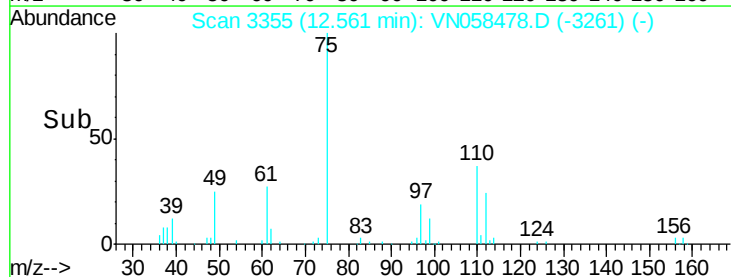
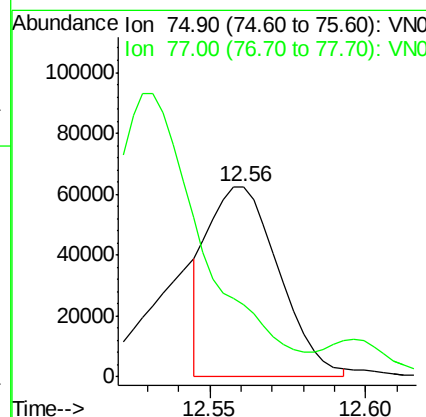
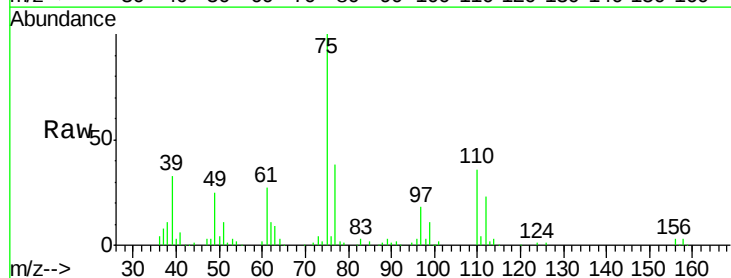
RT: 12.56 min Scan# 3355

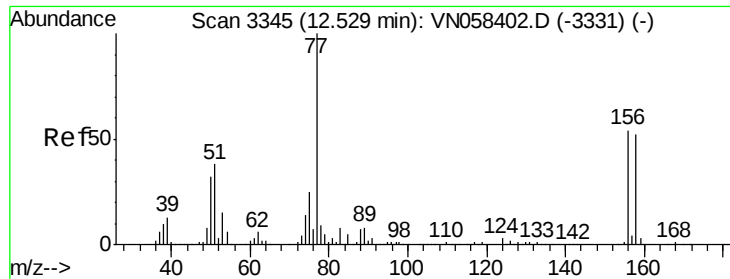
Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Tgt Ion:	75	Resp:	99243
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.560 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion:156 Resp: 84091

Ion Ratio Lower Upper

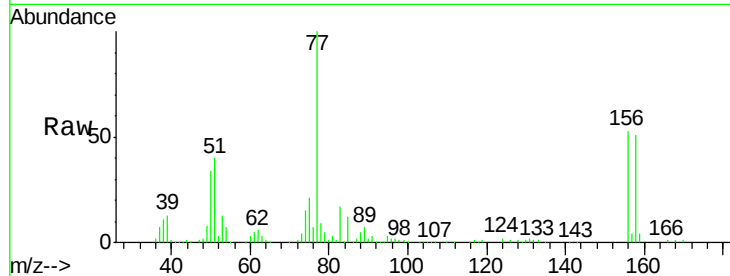
156 100

77 234.0 110.0 330.0

158 98.4 47.9 143.8

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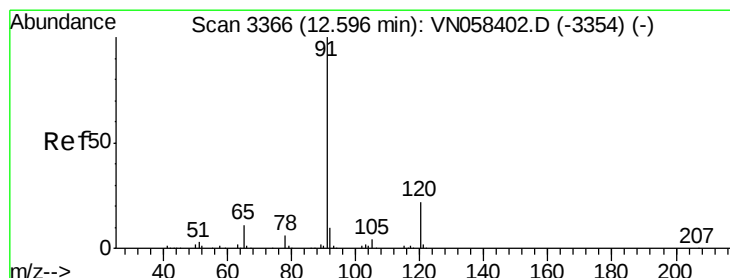
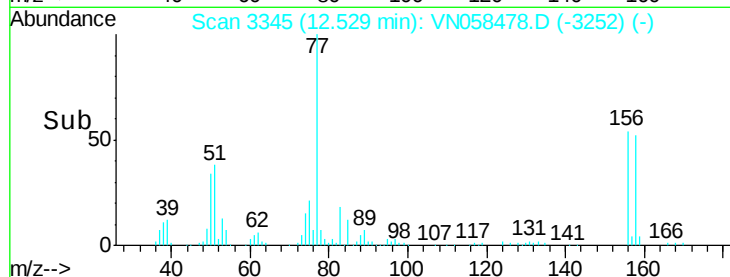
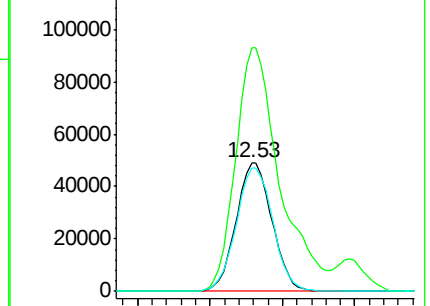
MMDadoda
10/3/2019 1:35:43 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.220 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058478.D

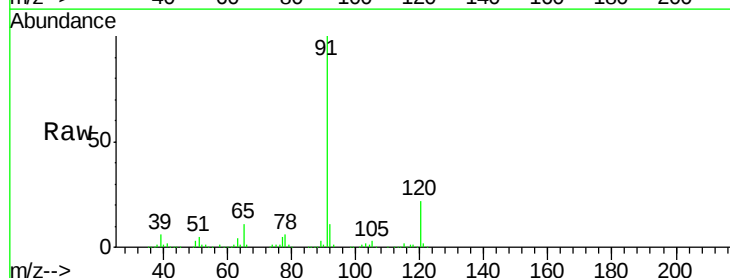
Acq: 2 Oct 2019 16:38

Tgt Ion: 91 Resp: 436659

Ion Ratio Lower Upper

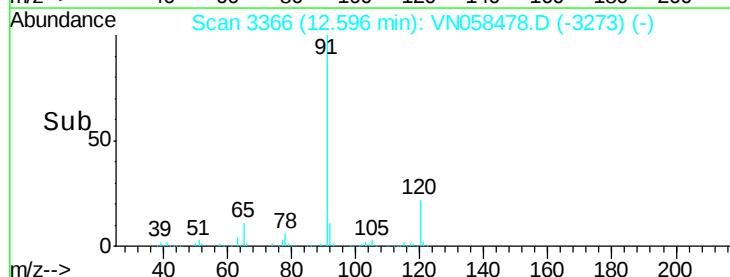
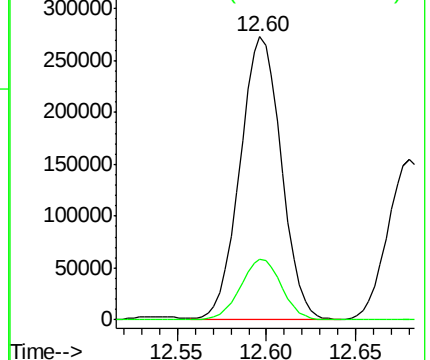
91 100

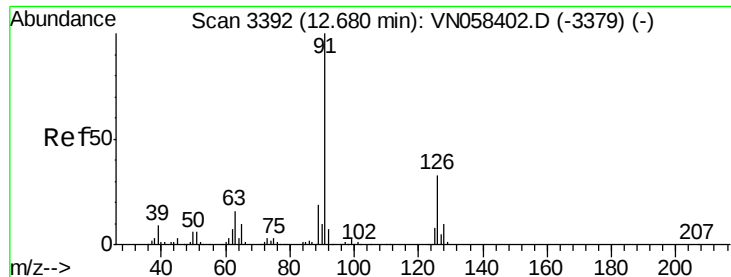
120 21.5 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.075 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

VN1002WBS01

Tot Ion: 91 Resp: 255638

Ion Ratio Lower Upper

91 100

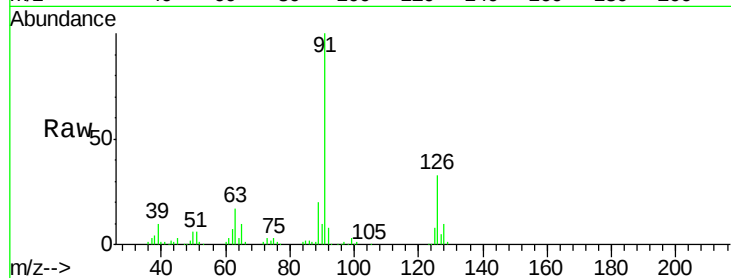
126 32.8 16.2 48.6

Manual Integrations

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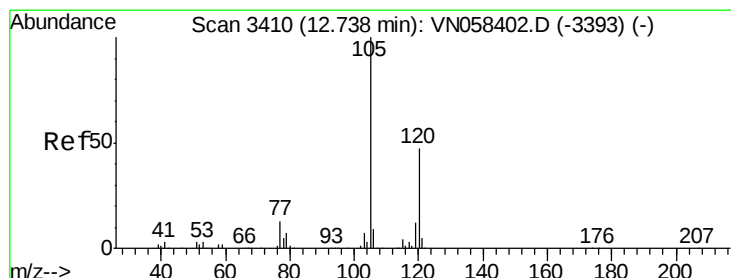
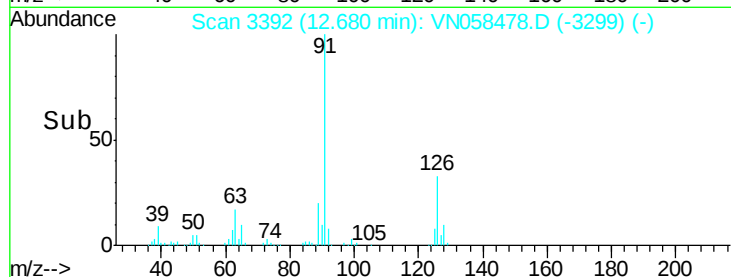
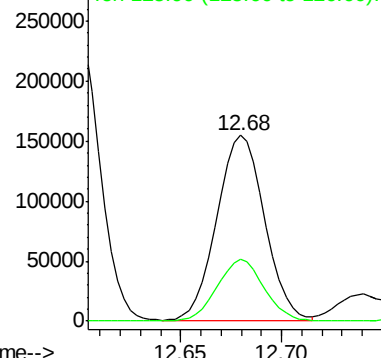
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.596 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058478.D

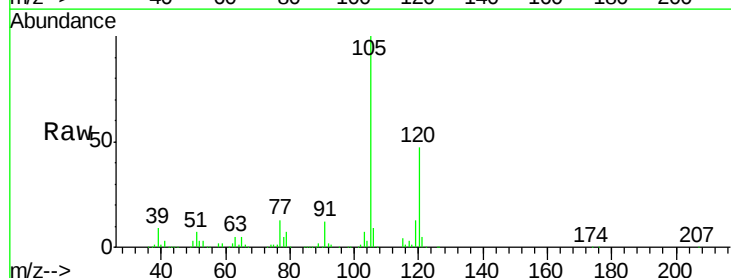
Acq: 2 Oct 2019 16:38

Tgt Ion:105 Resp: 315333

Ion Ratio Lower Upper

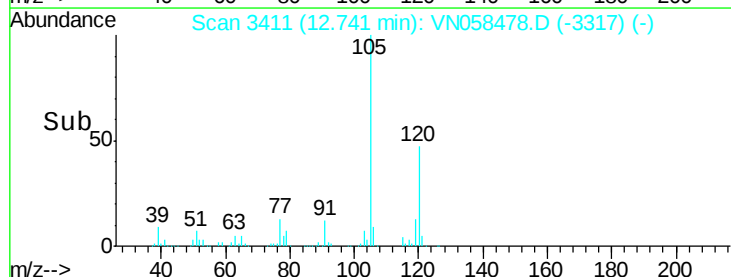
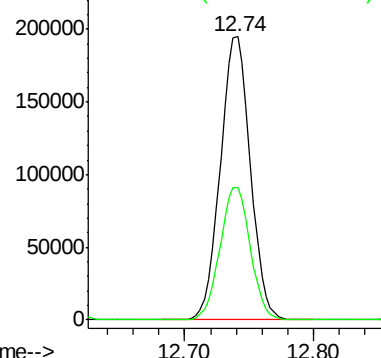
105 100

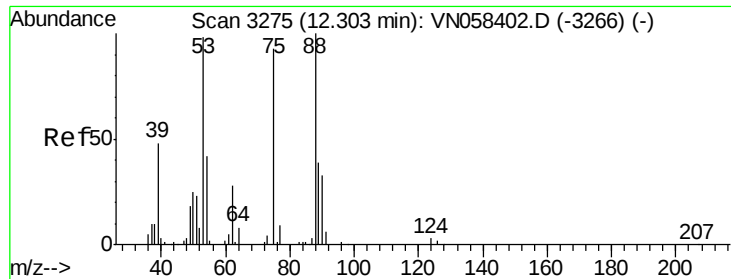
120 47.3 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





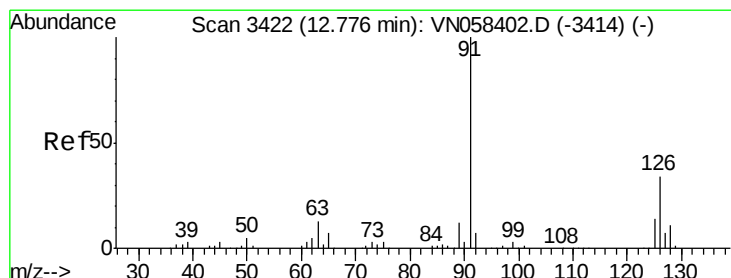
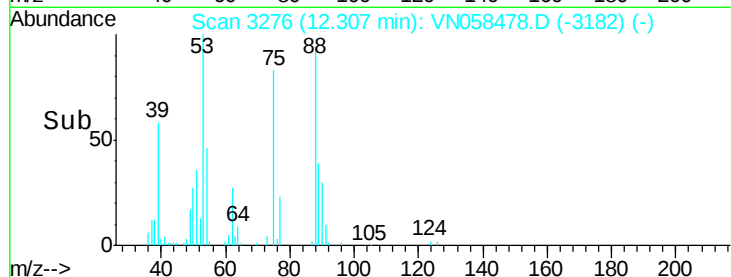
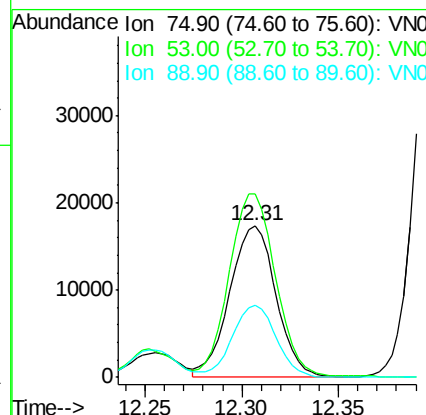
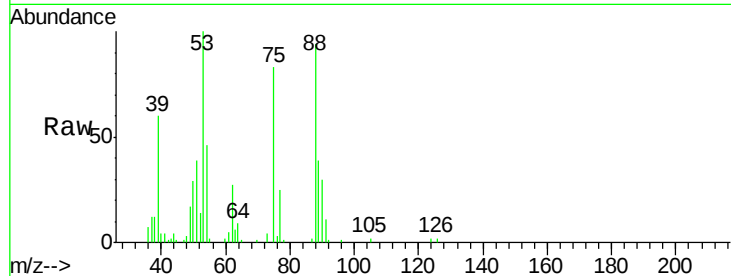
#81
trans-1,4-Dichloro-2-butene
Concen: 20.421 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.4	85.4	128.0
89	45.1	35.0	52.4

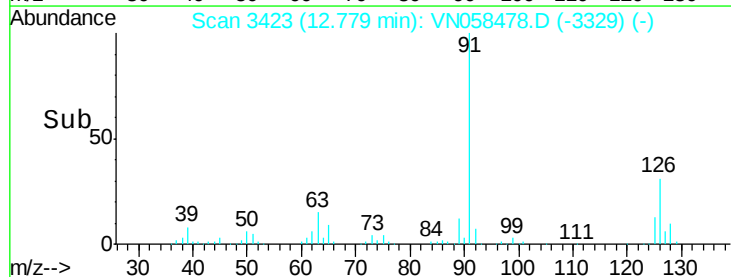
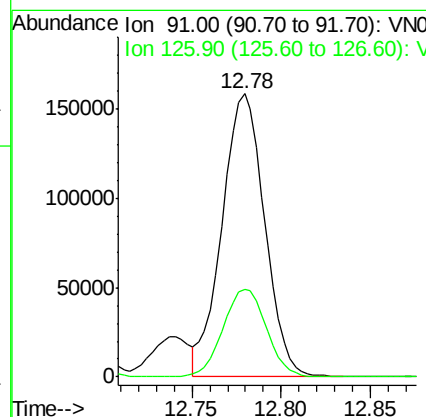
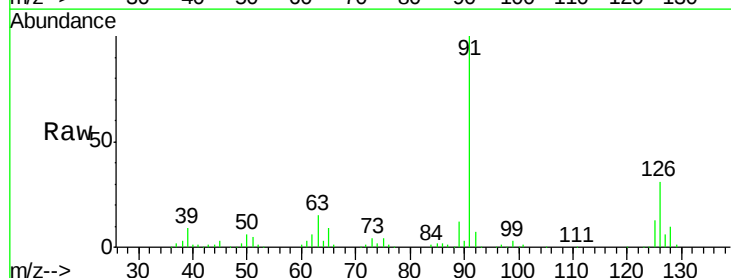
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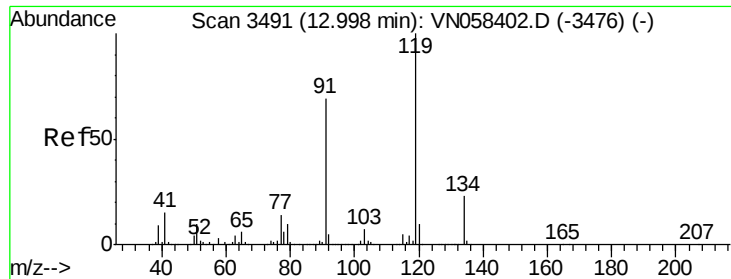
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#82
4-Chlorotoluene
Concen: 21.149 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.9	47.7





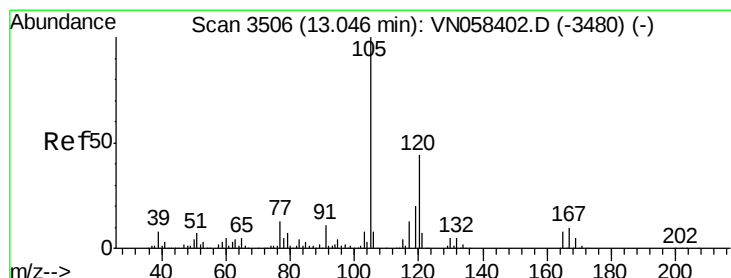
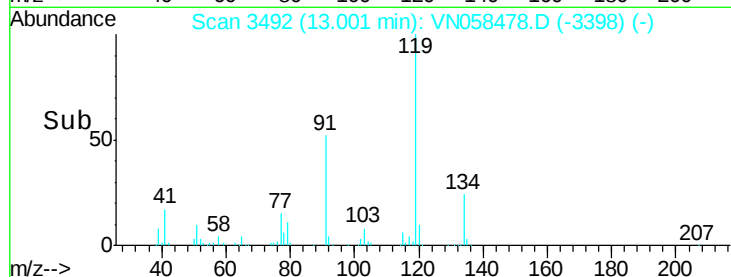
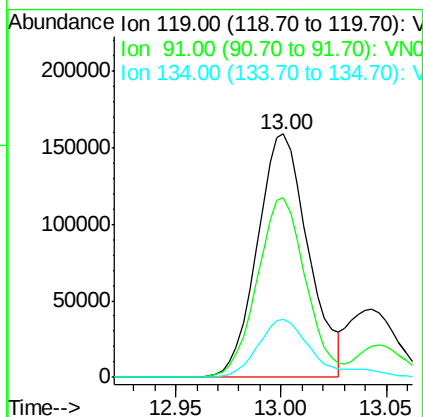
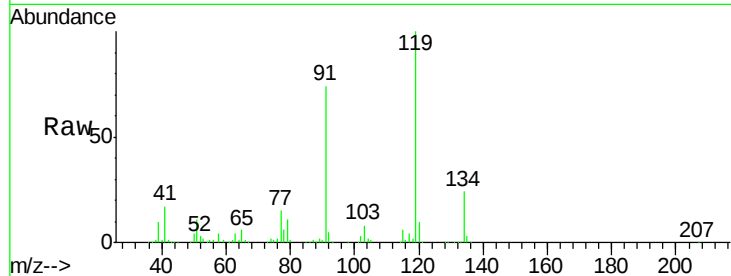
#83
tert-Butylbenzene
Concen: 21.657 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.5	34.2	102.6
134	26.0	11.6	34.8

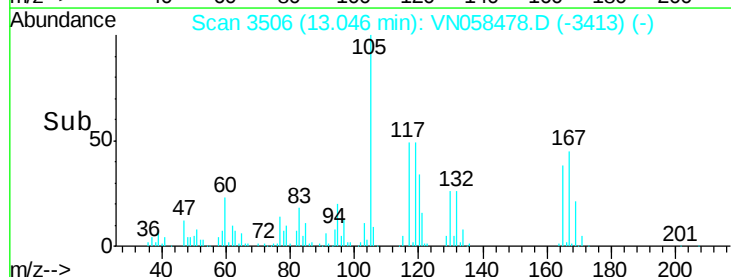
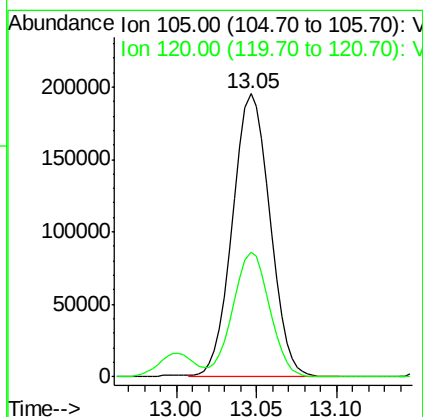
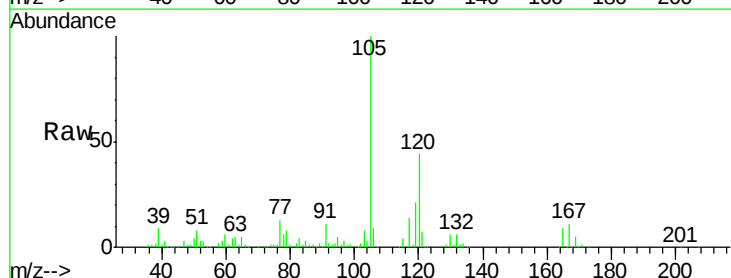
Manual Integrations
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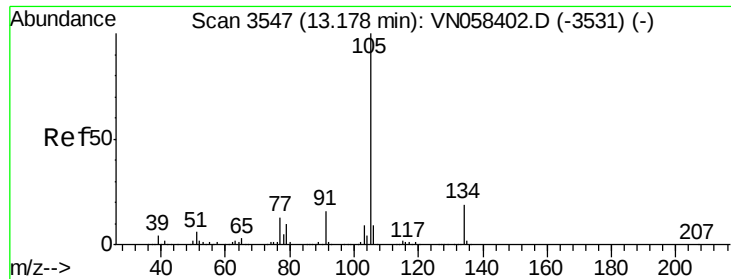
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.255 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.7	65.1





#85

sec-Butylbenzene

Concen: 22.290 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion:105 Resp: 361476

Ion Ratio Lower Upper

105 100

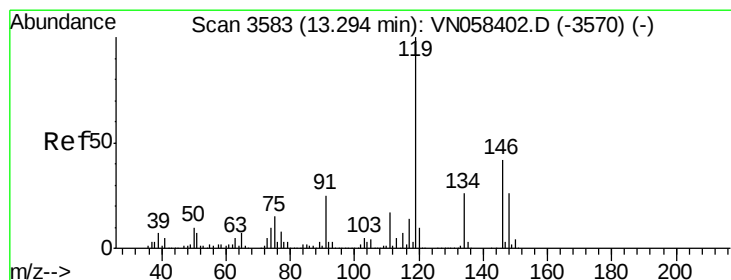
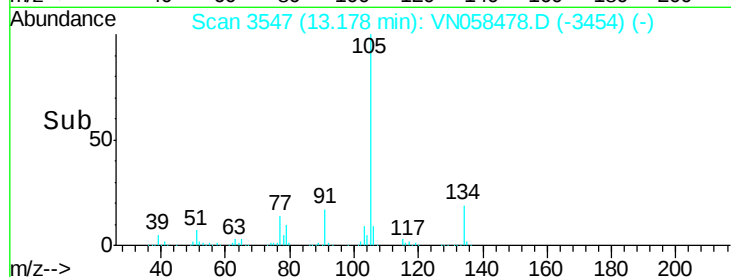
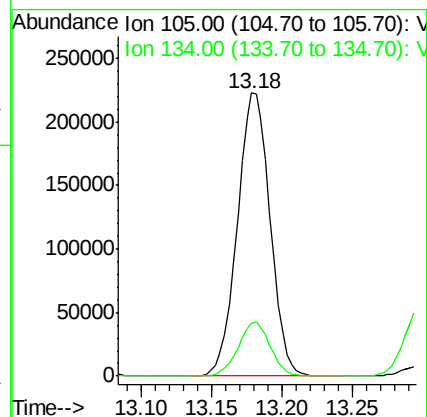
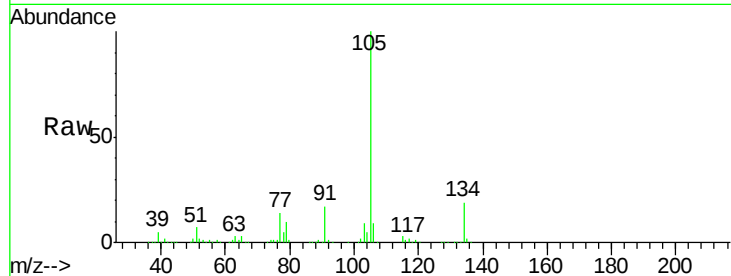
134 18.7 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.235 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

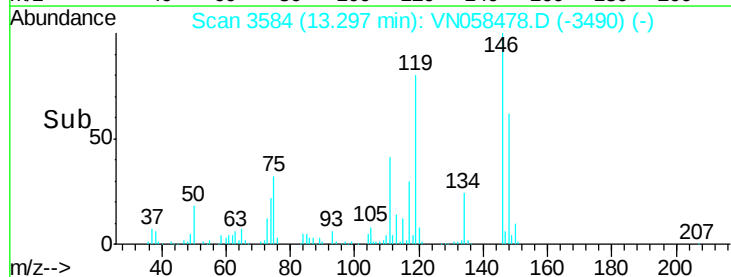
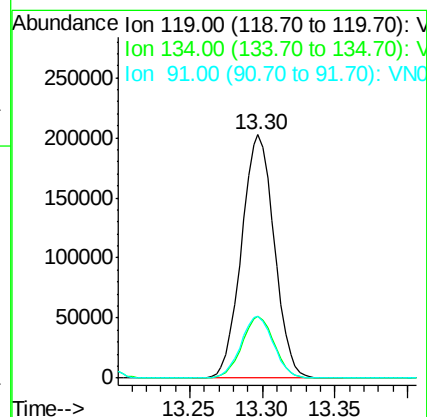
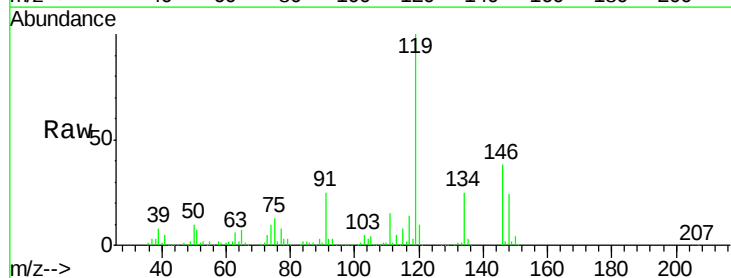
Tgt Ion:119 Resp: 317405

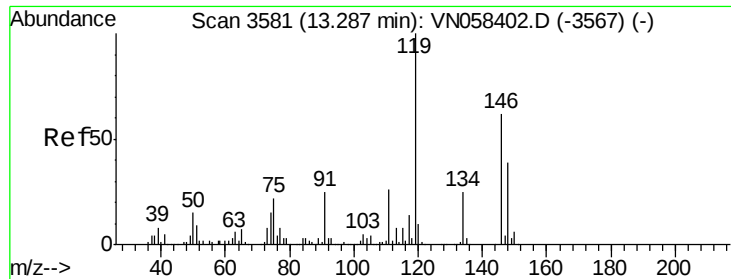
Ion Ratio Lower Upper

119 100

134 25.0 13.0 39.0

91 24.9 12.4 37.0





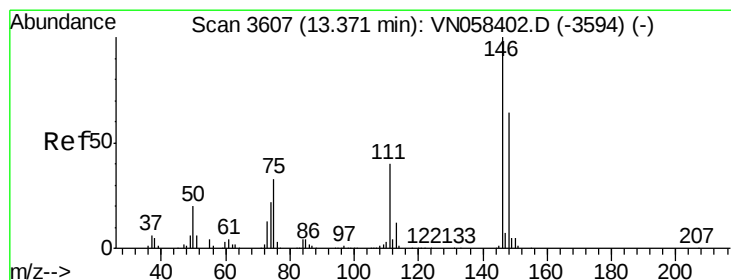
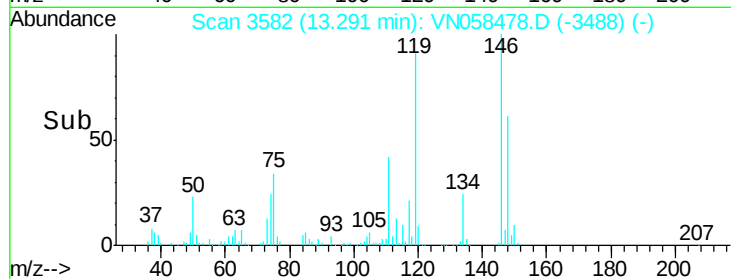
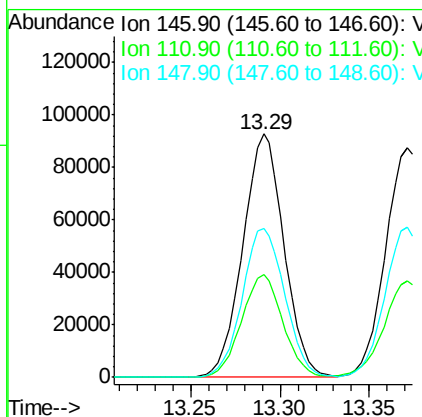
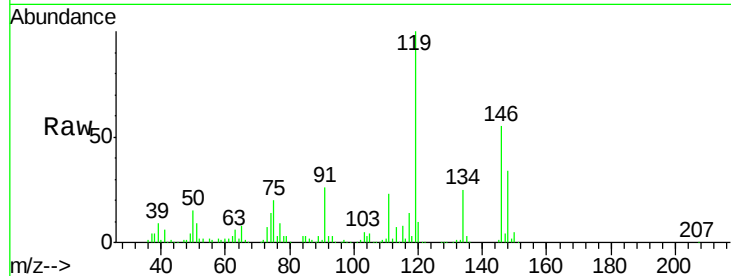
#87
 1,3-Dichlorobenzene
 Concen: 20.170 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	149591		
111	42.6	20.8	62.4	
148	63.4	31.4	94.3	

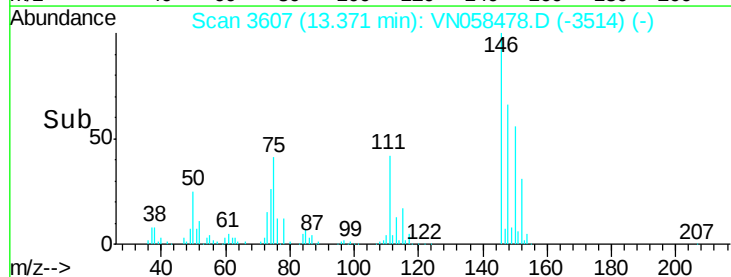
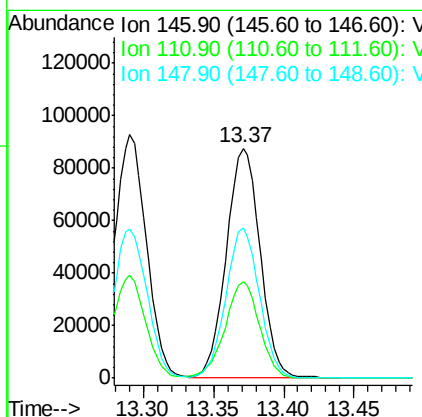
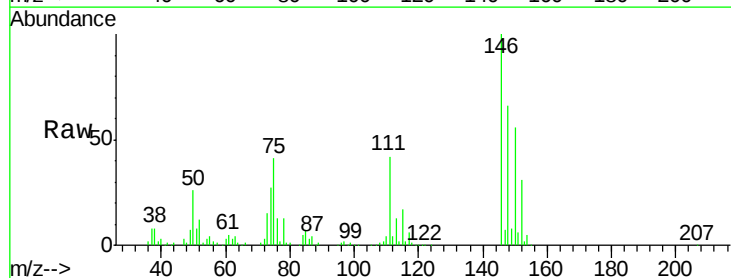
Manual Integrations
 APPROVED

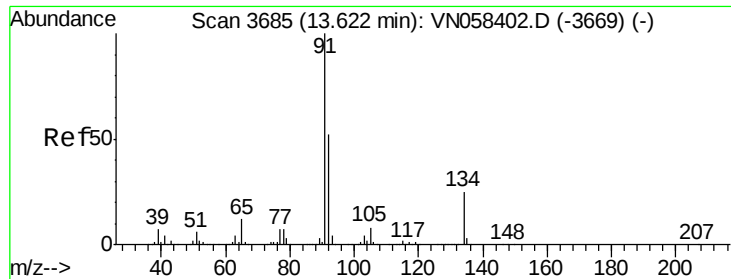
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 10/3/2019 1:35:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.822 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	146259		
111	42.6	20.5	61.6	
148	65.3	31.5	94.5	





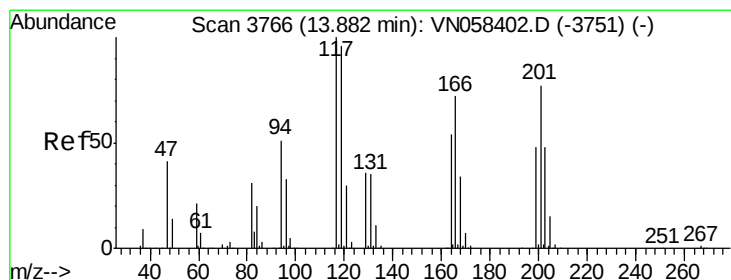
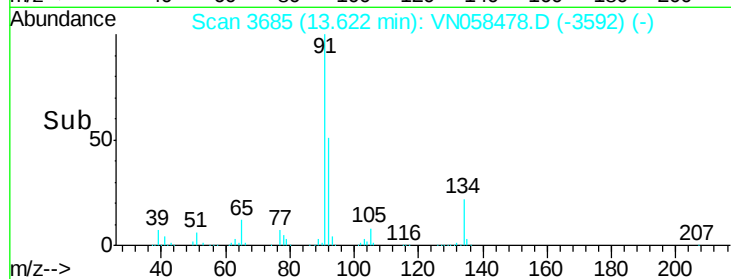
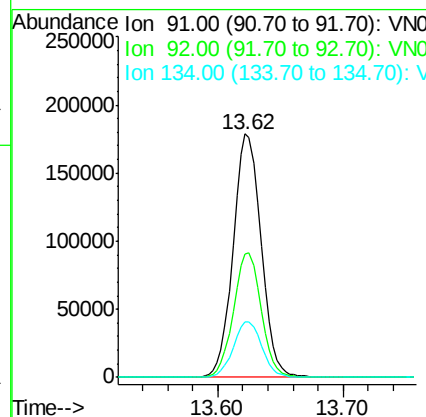
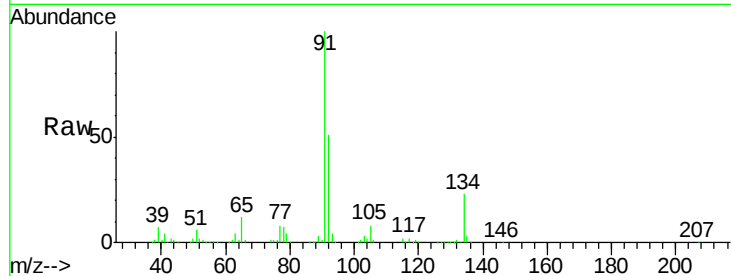
#89
n-Butylbenzene
Concen: 21.421 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.7	77.1
134	23.5	12.2	36.6

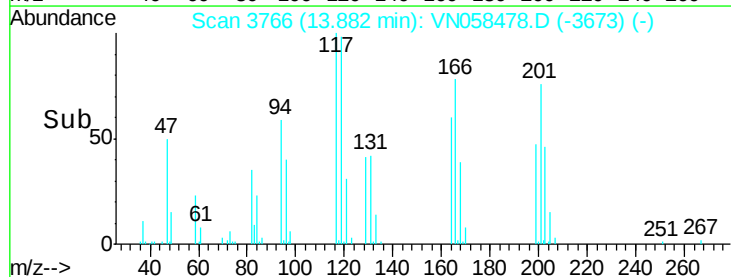
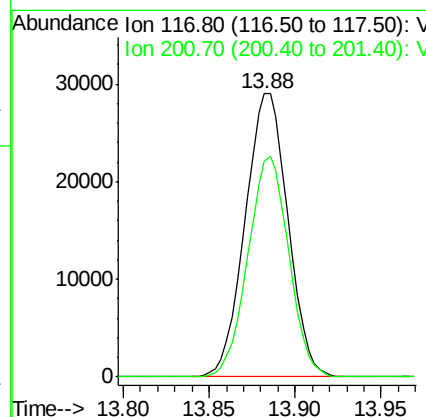
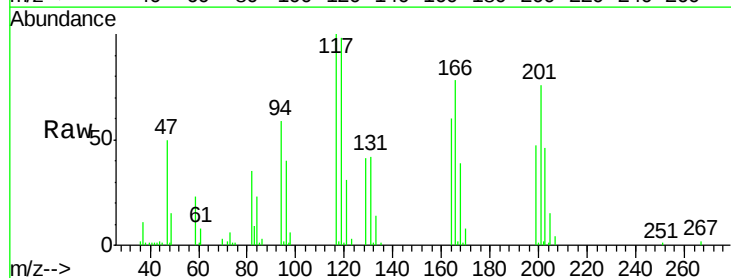
Manual Integrations
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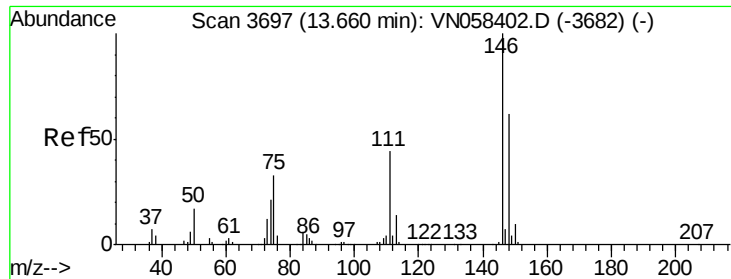
MMDadoda
10/3/2019 1:35:43 PM



#90
Hexachloroethane
Concen: 23.394 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.1	38.6	116.0





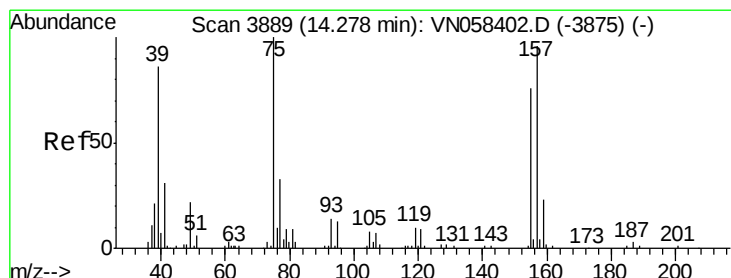
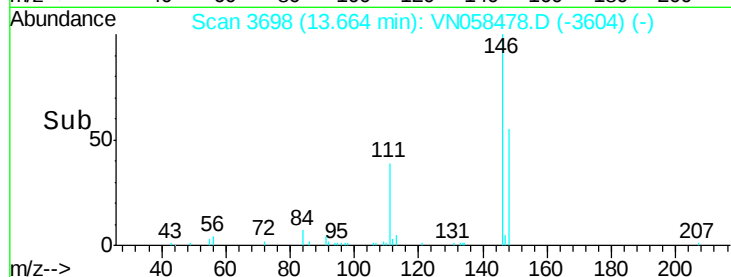
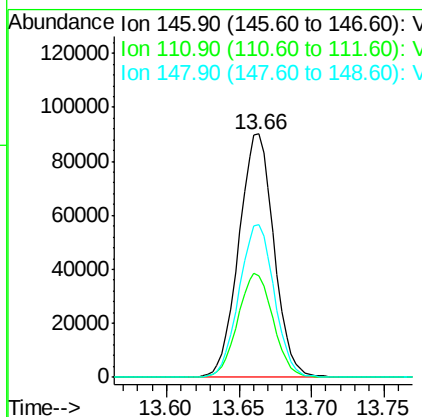
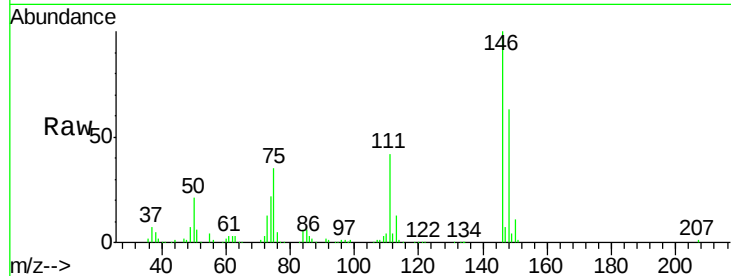
#91
 1,2-Dichlorobenzene
 Concen: 21.313 ug/l
 RT: 13.66 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.8	65.3
148	62.9	31.5	94.5

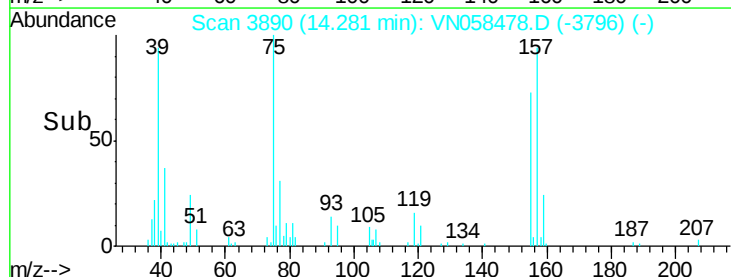
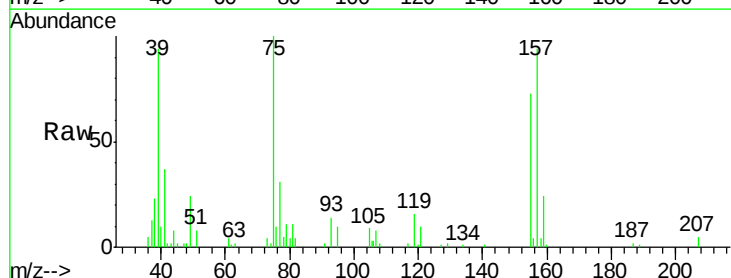
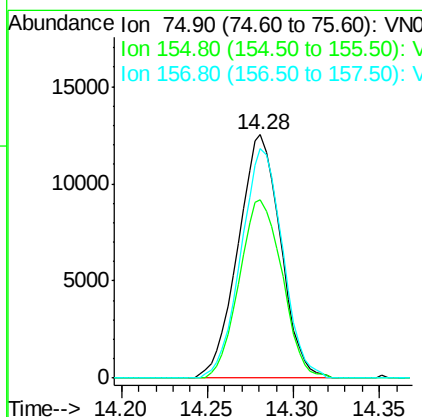
Manual Integrations
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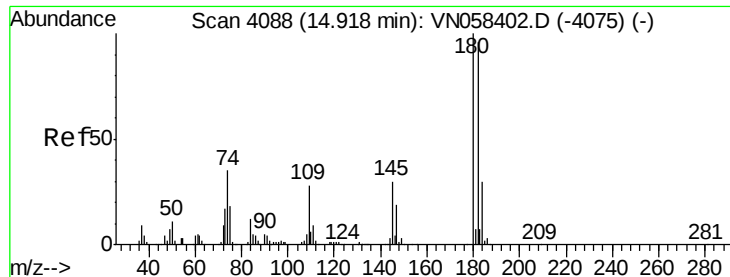
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.732 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	39.2	117.6
157	91.8	48.7	146.1





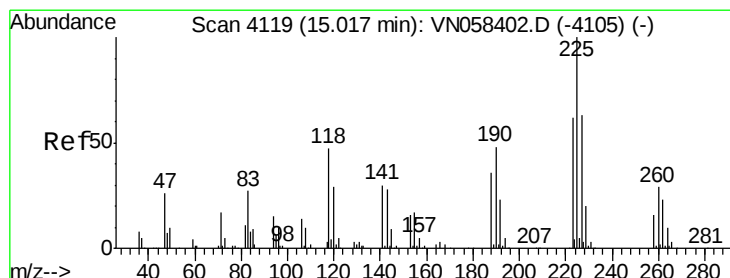
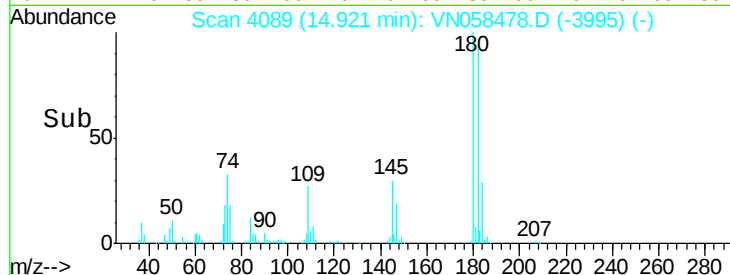
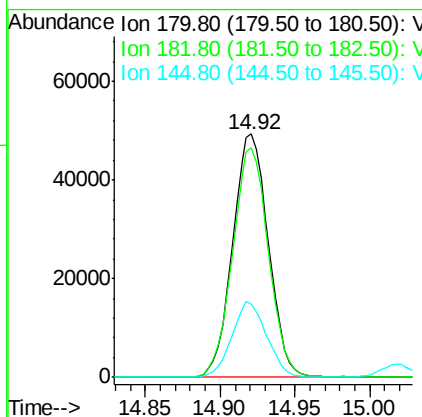
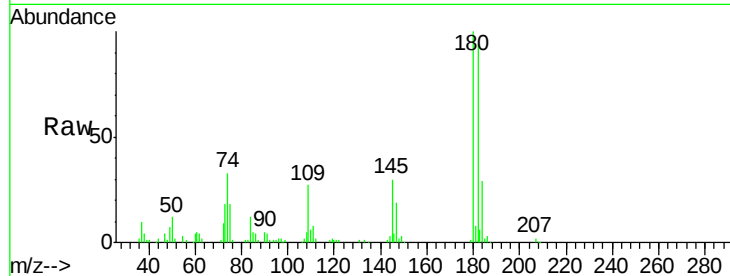
#93
 1,2,4-Trichlorobenzene
 Concen: 20.779 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	81820		
182	94.9	47.4	142.3	
145	30.2	15.3	45.9	

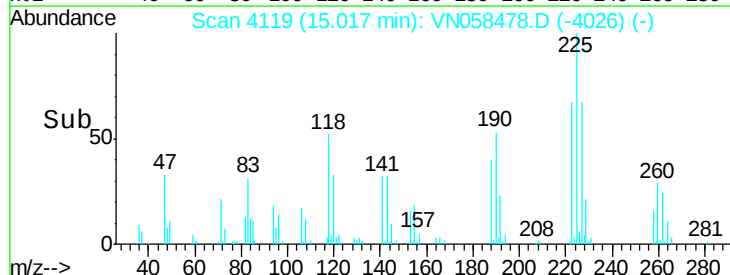
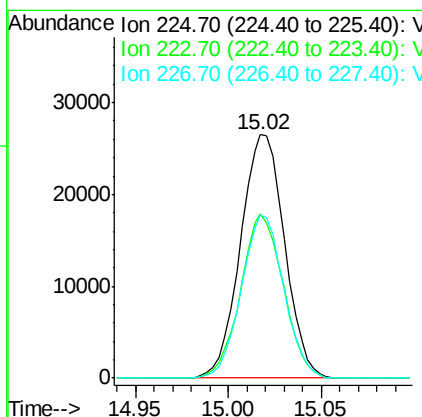
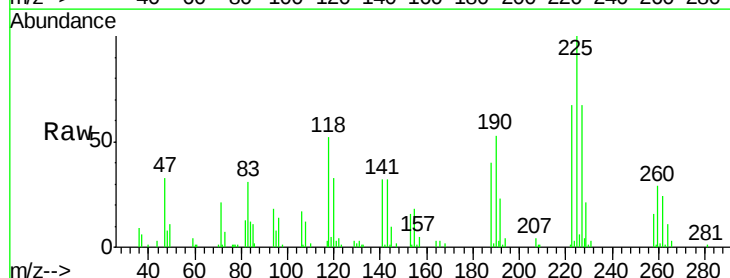
Manual Integrations
 APPROVED

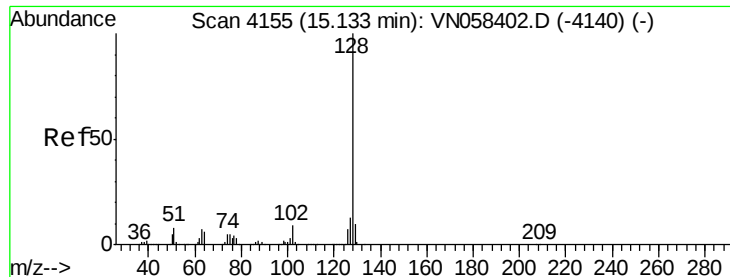
MMDadoda
 10/3/2019 1:35:43 PM



#94
 Hexachlorobutadiene
 Concen: 21.674 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43866		
223	65.3	31.1	93.5	
227	64.3	31.4	94.2	





#95

Naphthalene

Concen: 19.214 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

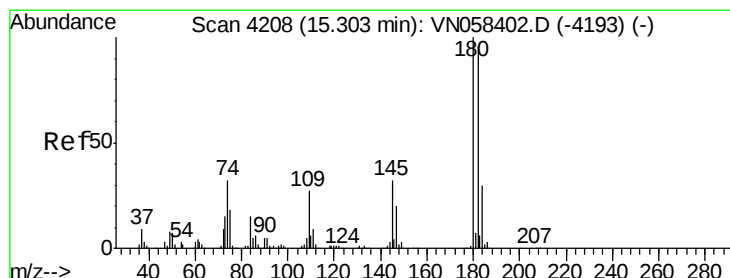
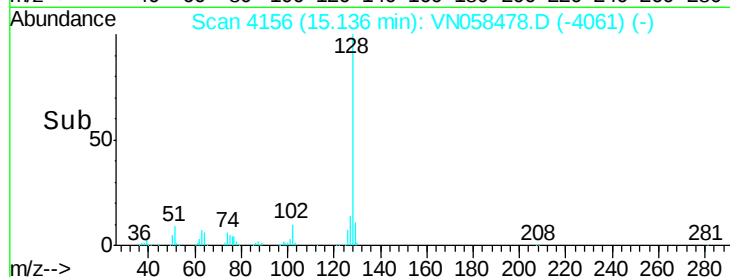
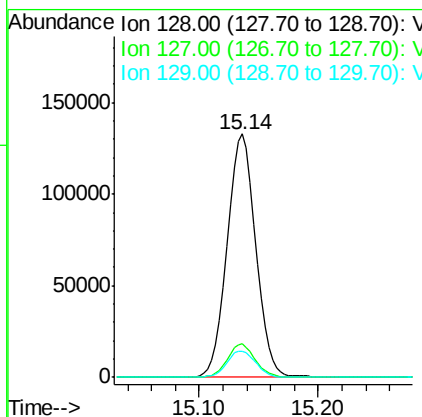
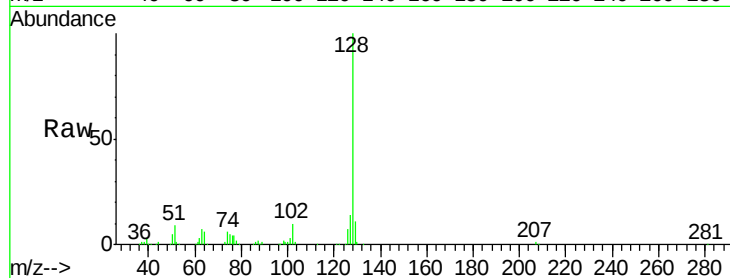
ClientSampleId :

VN1002WBS01

Tot Ion:	128	Resp:	221779
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.4
129	11.0	8.3	12.5

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 20.226 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Tgt Ion:	180	Resp:	79909
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.3	144.9
145	32.7	16.1	48.3

