

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058797.D
 Acq On : 16 Oct 2019 13:36
 Operator : JC/SP
 Sample : VN1016WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:26 AM

Quant Time: Oct 17 08:11:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	381809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	619195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264497	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	272845	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	7.57	113	194984	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.09	98	748405	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.40	95	273756	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	98111	20.632	ug/l	99
3) Chloromethane	2.04	50	114937	20.327	ug/l	100
4) Vinyl Chloride	2.17	62	113079	20.079	ug/l	99
5) Bromomethane	2.55	94	69141	20.181	ug/l	98
6) Chloroethane	2.69	64	71018	20.444	ug/l	96
7) Trichlorofluoromethane	3.00	101	140344	20.822	ug/l	99
8) Diethyl Ether	3.39	74	48634	19.529	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	79614	20.716	ug/l	99
10) Methyl Iodide	3.93	142	101613	19.376	ug/l	99
11) Tert butyl alcohol	4.75	59	87849	101.480	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	73860	20.143	ug/l	99
13) Acrolein	3.58	56	44457	63.855	ug/l	95
14) Allyl chloride	4.30	41	149896	20.257	ug/l	99
15) Acrylonitrile	4.96	53	231772	106.167	ug/l	98
16) Acetone	3.79	43	224668	101.526	ug/l	98
17) Carbon Disulfide	4.03	76	222728	19.003	ug/l	100
18) Methyl Acetate	4.30	43	121899	21.716	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	273519	20.890	ug/l	97
20) Methylene Chloride	4.53	84	91136	19.706	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	81871	19.961	ug/l	94
22) Diisopropyl ether	5.93	45	301682	20.968	ug/l	97
23) Vinyl Acetate	5.87	43	1240794	106.879	ug/l	99
24) 1,1-Dichloroethane	5.82	63	168763	20.596	ug/l	98
25) 2-Butanone	6.82	43	328794	102.795	ug/l	99
26) 2,2-Dichloropropane	6.80	77	143763	19.220	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	95634	19.995	ug/l	99
28) Bromochloromethane	7.18	49	60355	21.172	ug/l	97
29) Tetrahydrofuran	7.19	42	215101	104.065	ug/l	100
30) Chloroform	7.36	83	168023	20.409	ug/l	99
31) Cyclohexane	7.64	56	152008	19.388	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	147503	21.009	ug/l	99
36) 1,1-Dichloropropene	7.78	75	122590	19.582	ug/l	99
37) Ethyl Acetate	6.91	43	137612	21.735	ug/l #	93
38) Carbon Tetrachloride	7.76	117	126668	20.760	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	137909	18.984	ug/l	98
40) Benzene	8.02	78	367498	20.439	ug/l	99
41) Methacrylonitrile	7.16	41	62803m	21.190	ug/l	
42) 1,2-Dichloroethane	8.11	62	143351	20.752	ug/l	100
43) Isopropyl Acetate	8.15	43	218664	20.273	ug/l	100
44) Trichloroethene	8.82	130	91275	20.442	ug/l	97
45) 1,2-Dichloropropane	9.11	63	100708	20.923	ug/l	99
46) Dibromomethane	9.20	93	63557	20.827	ug/l	99
47) Bromodichloromethane	9.39	83	131056	21.090	ug/l	96
48) Methyl methacrylate	9.19	41	101543	20.769	ug/l	98
49) 1,4-Dioxane	9.19	88	32579	430.725	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	679306	112.143	ug/l	98
52) Toluene	10.15	92	222160	20.202	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	142399	19.979	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	154860	20.464	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	89645	19.917	ug/l	99
56) Ethyl methacrylate	10.43	69	133783	20.345	ug/l	99
57) 1,3-Dichloropropane	10.71	76	156994	20.469	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	320563	101.158	ug/l	100
59) 2-Hexanone	10.75	43	505397	107.962	ug/l	97
60) Dibromochloromethane	10.90	129	94939	20.447	ug/l	99
61) 1,2-Dibromoethane	11.00	107	90423	20.053	ug/l	98
64) Tetrachloroethene	10.63	164	83584	21.072	ug/l	95
65) Chlorobenzene	11.43	112	234828	20.401	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	89052	20.922	ug/l	99
67) Ethyl Benzene	11.51	91	424549	20.691	ug/l	100
68) m/p-Xylenes	11.62	106	312703	40.611	ug/l	99
69) o-Xylene	11.95	106	147385	19.783	ug/l	100
70) Styrene	11.97	104	241788	19.802	ug/l	99
71) Bromoform	12.13	173	66140	21.200	ug/l #	100
73) Isopropylbenzene	12.25	105	405262	21.156	ug/l	100
74) N-amyl acetate	12.07	43	182729	21.239	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	136980	21.707	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	123839m	21.343	ug/l	
77) Bromobenzene	12.53	156	97184	20.858	ug/l	99
78) n-propylbenzene	12.59	91	478777	21.449	ug/l	100
79) 2-Chlorotoluene	12.68	91	284801	20.557	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	345762	21.143	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42532	19.635	ug/l	92
82) 4-Chlorotoluene	12.78	91	293722	20.661	ug/l	99
83) tert-Butylbenzene	13.00	119	294276	21.005	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	346039	21.314	ug/l	100
85) sec-Butylbenzene	13.18	105	398659	21.595	ug/l	99
86) p-Isopropyltoluene	13.29	119	348774	20.788	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	174952	20.361	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	174246	19.945	ug/l	97
89) n-Butylbenzene	13.62	91	310855	20.037	ug/l	99
90) Hexachloroethane	13.88	117	64611	21.522	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	174695	20.860	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30014	20.359	ug/l	96

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93) 1,2,4-Trichlorobenzene	14.92	180	96474	18.884	ug/l	99
94) Hexachlorobutadiene	15.02	225	54060	20.095	ug/l	98
95) Naphthalene	15.13	128	275214	18.745	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	94675	18.982	ug/l	99

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

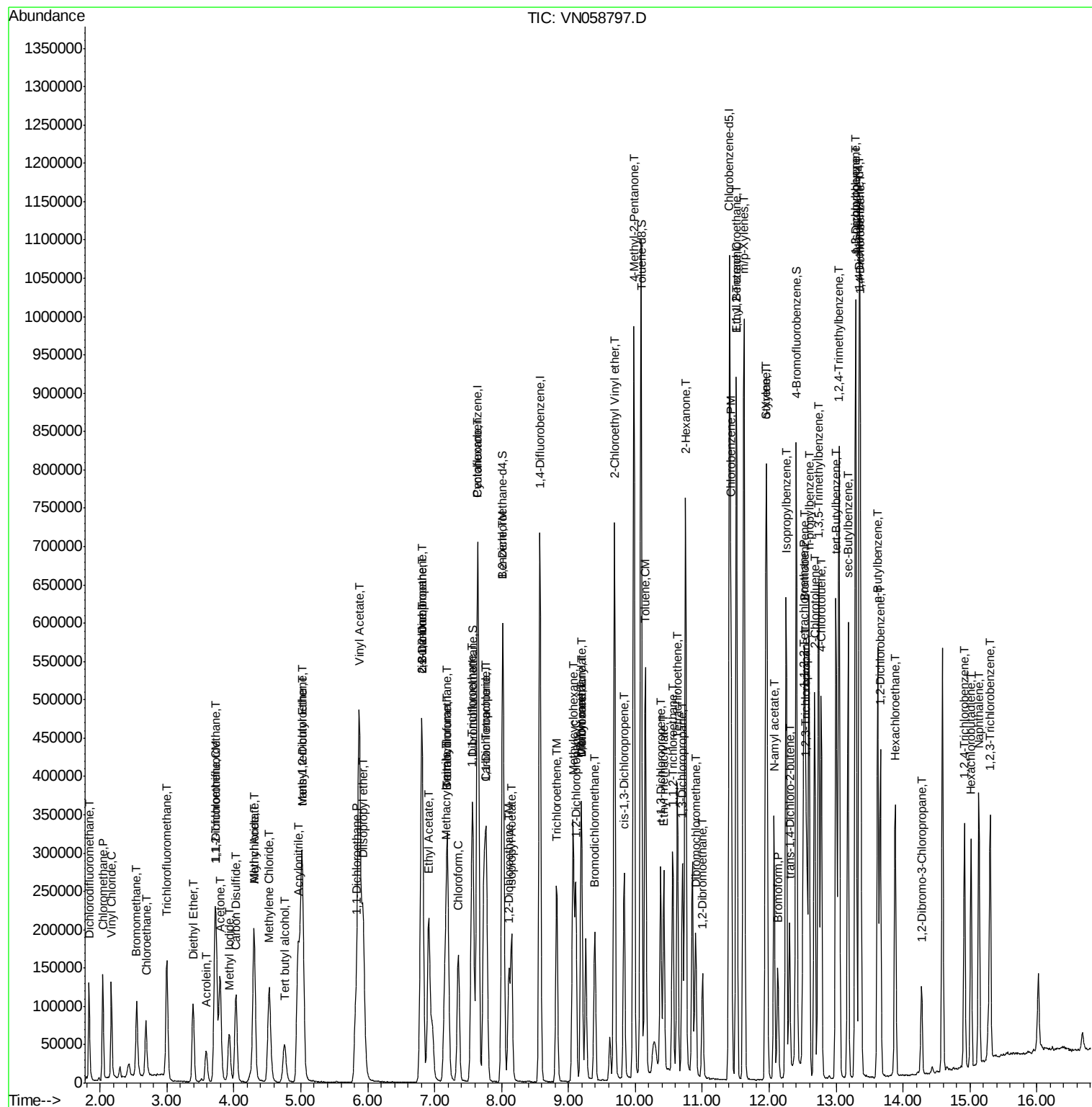
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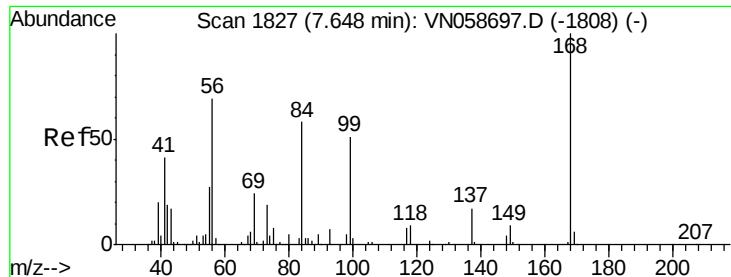
Instrument :
MSVOA_N
Client Sample Id :
VN1016WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion:168 Resp: 381809

Ion Ratio Lower Upper

168 100

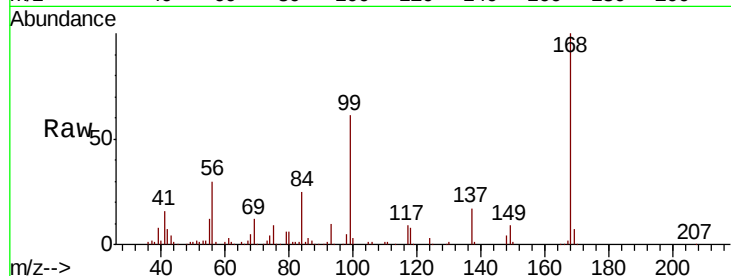
99 60.5 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

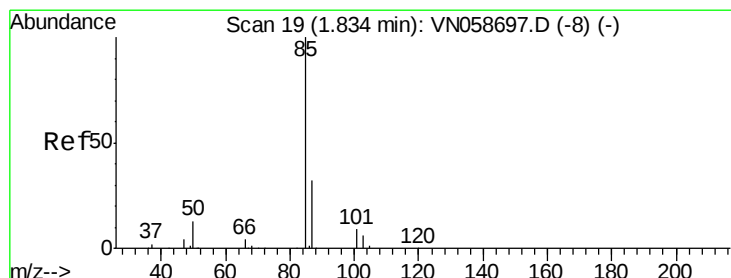
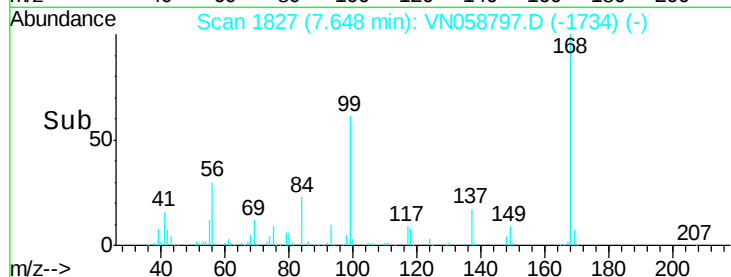
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.632 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058797.D

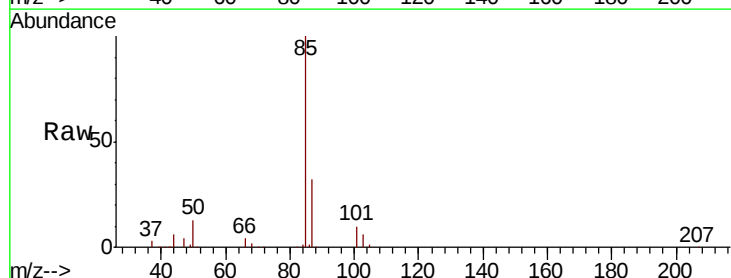
Acq: 16 Oct 2019 13:36

Tgt Ion: 85 Resp: 98111

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

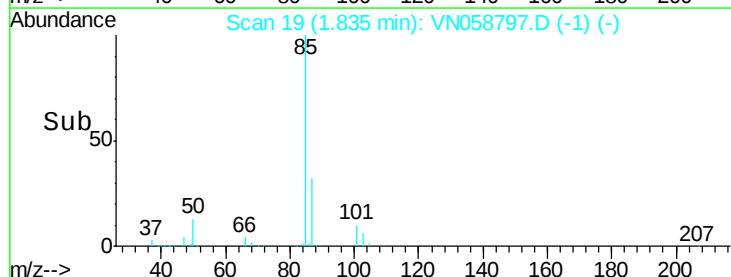
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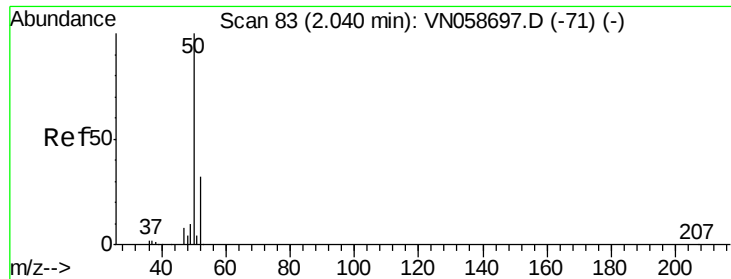
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.327 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 50 Resp: 114937

Ion Ratio Lower Upper

50 100

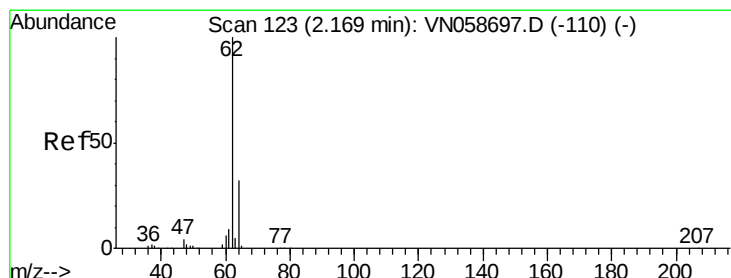
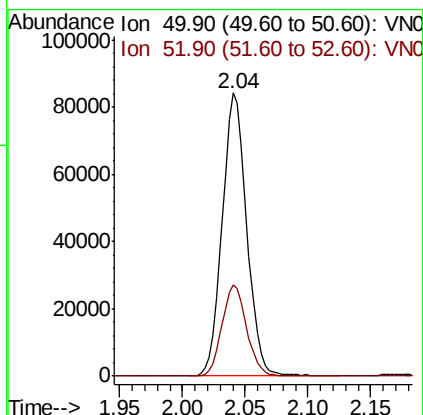
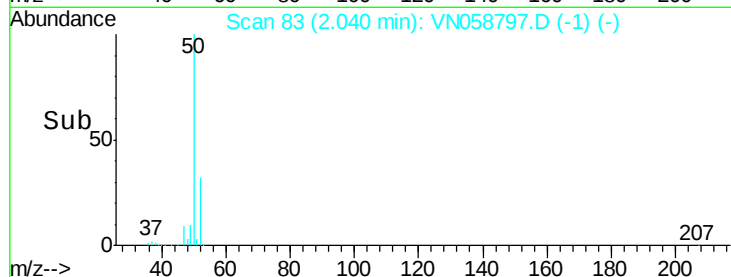
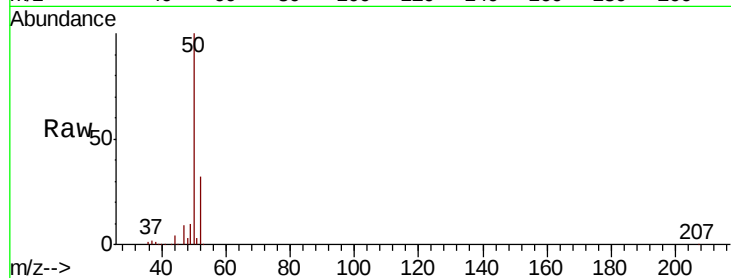
52 32.3 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.079 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058797.D

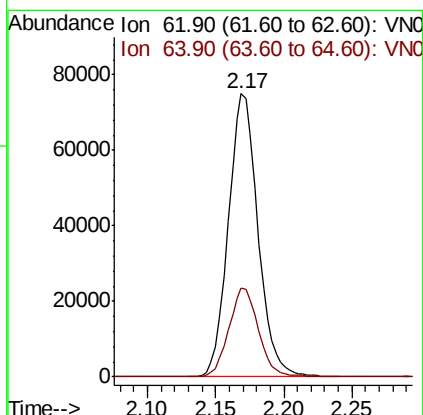
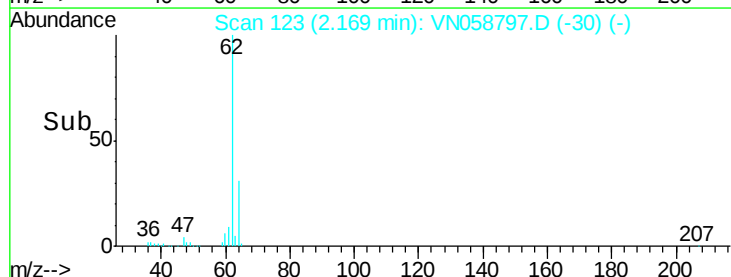
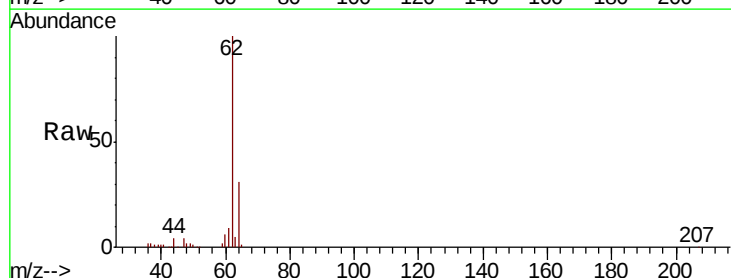
Acq: 16 Oct 2019 13:36

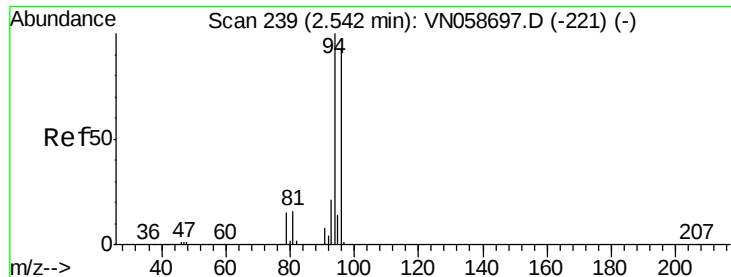
Tgt Ion: 62 Resp: 113079

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 20.181 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

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ClientSampleId :

VN1016WBS01

Tot Ion: 94 Resp: 69141

Ion Ratio Lower Upper

94 100

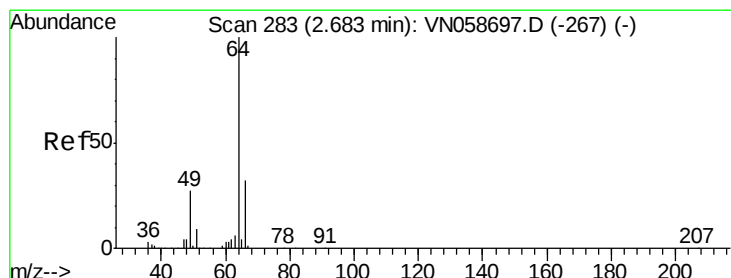
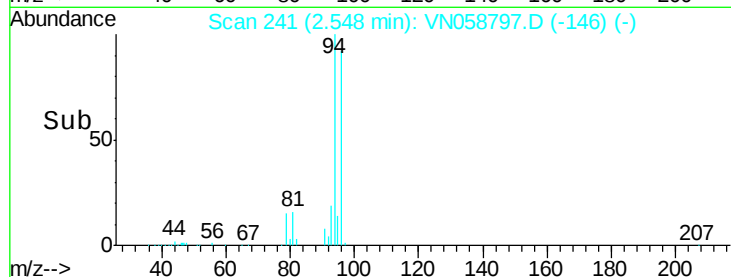
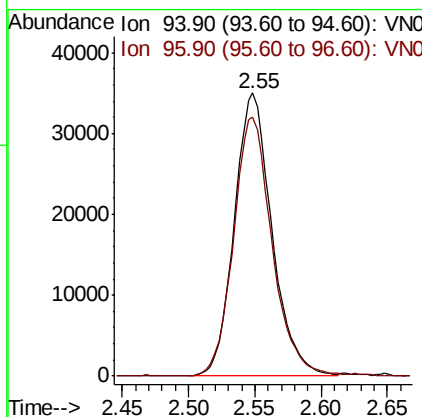
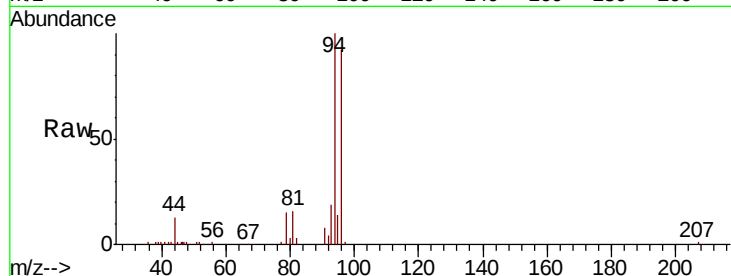
96 91.5 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 20.444 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058797.D

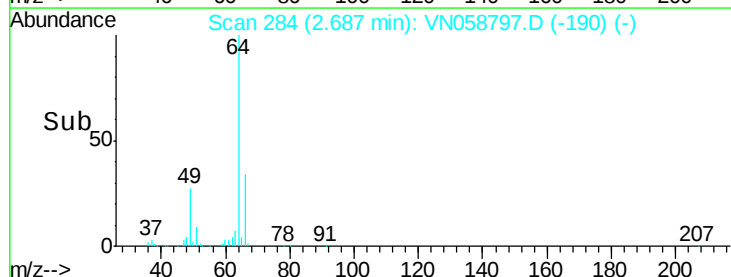
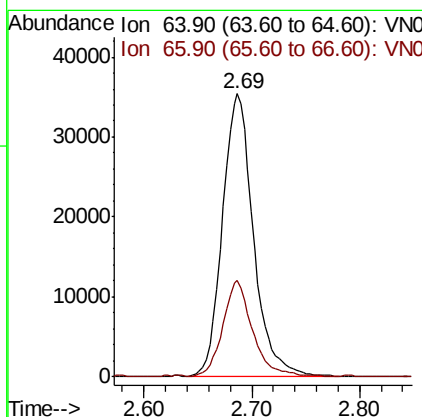
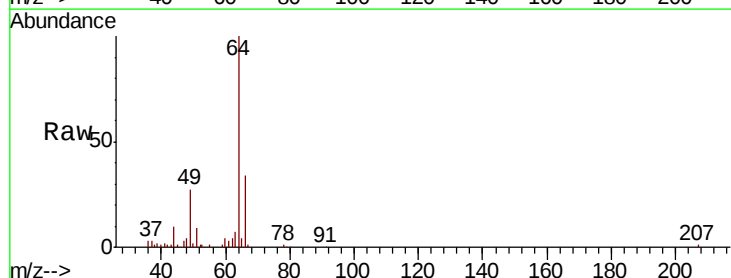
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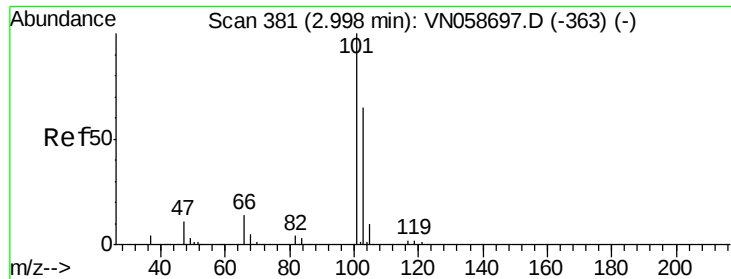
Tgt Ion: 64 Resp: 71018

Ion Ratio Lower Upper

64 100

66 33.9 25.4 38.2





#7

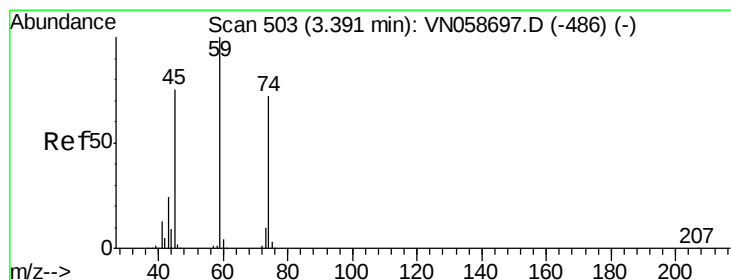
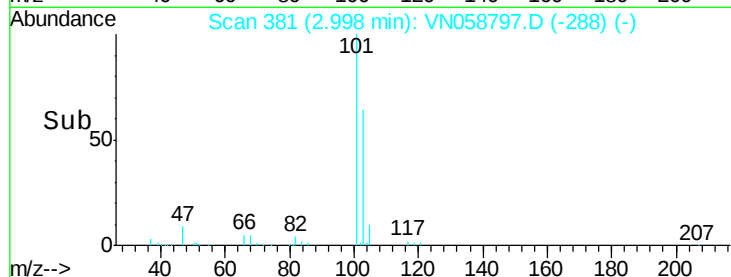
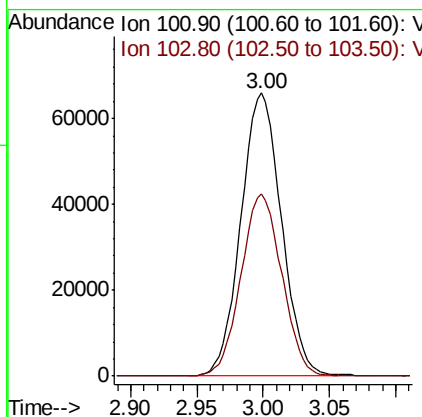
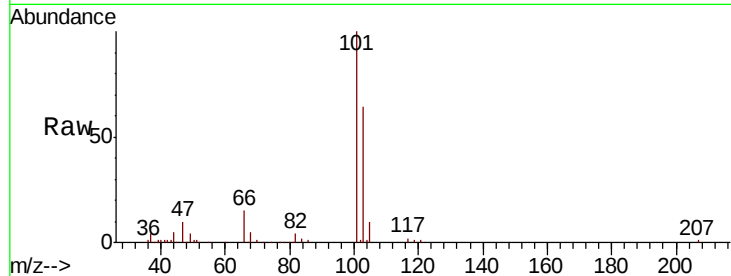
Trichlorofluoromethane
 Concen: 20.822 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.6

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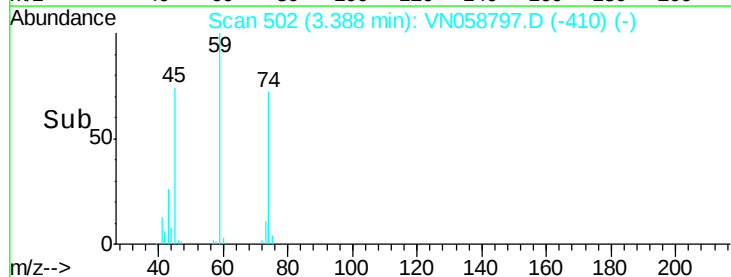
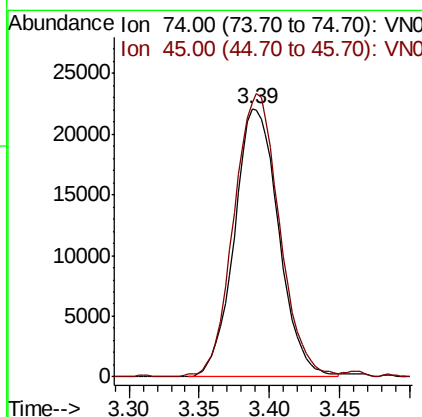
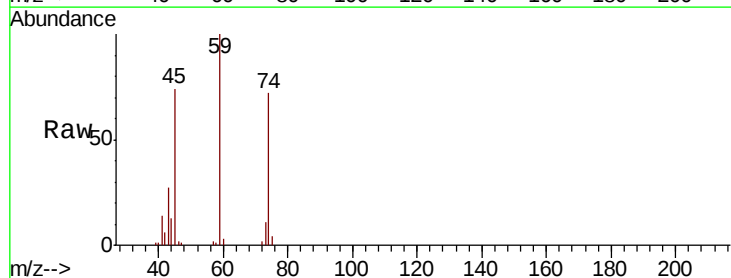
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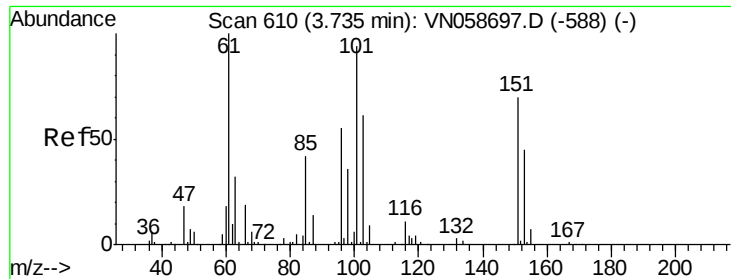


#8

Diethyl Ether
 Concen: 19.529 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.7	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.716 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058797.D

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MSVOA_N

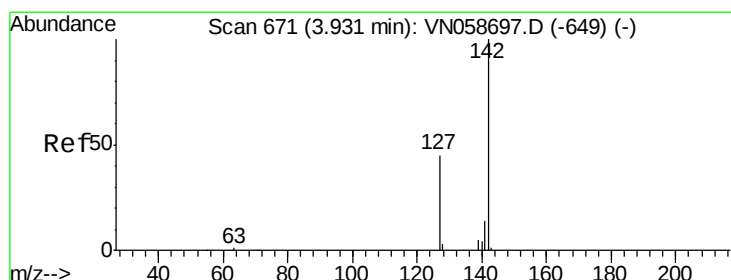
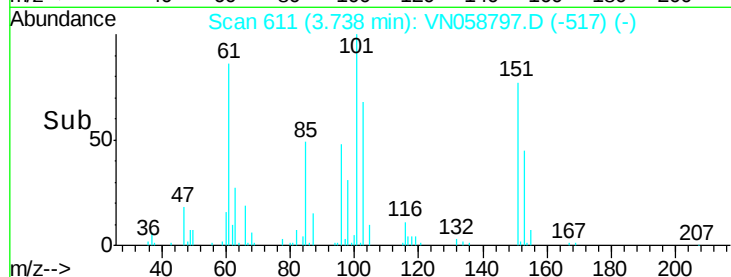
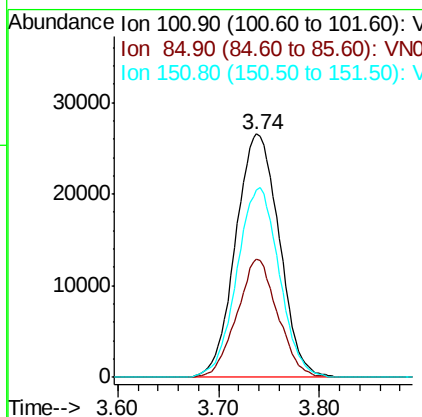
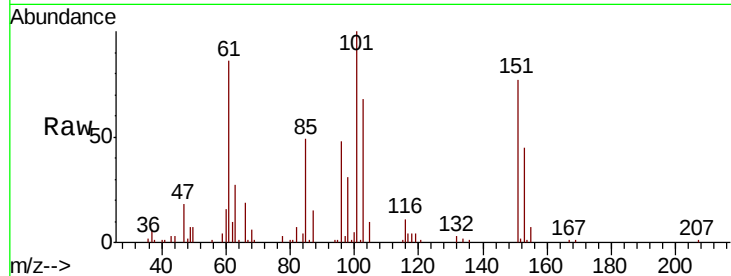
ClientSampleId :

VN1016WBS01

Tot Ion:	101	Resp:	79614
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.0	55.6
151	75.8	61.8	92.6

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#10

Methyl Iodide

Concen: 19.376 ug/l

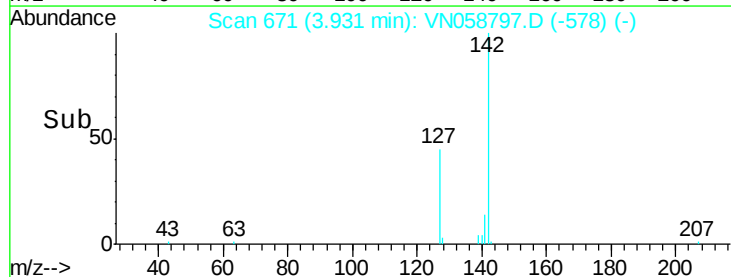
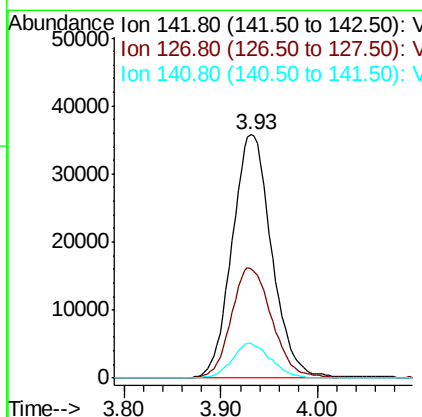
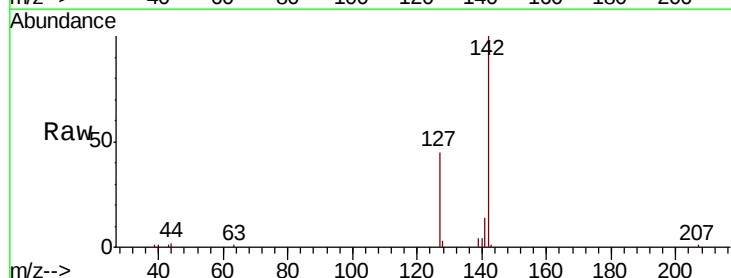
RT: 3.93 min Scan# 671

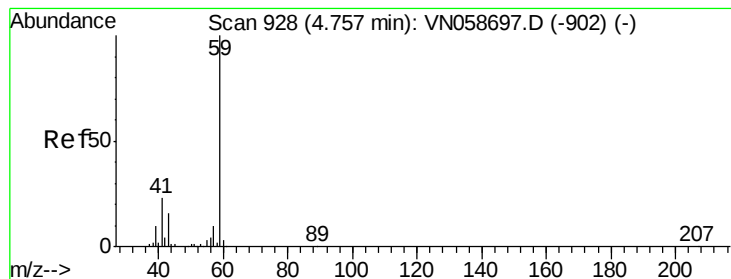
Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion:	142	Resp:	101613
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.4	54.6
141	13.9	11.1	16.7





#11

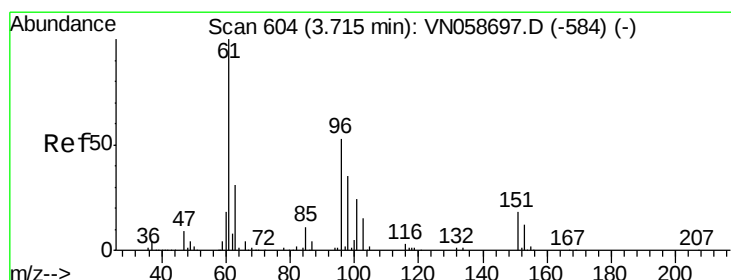
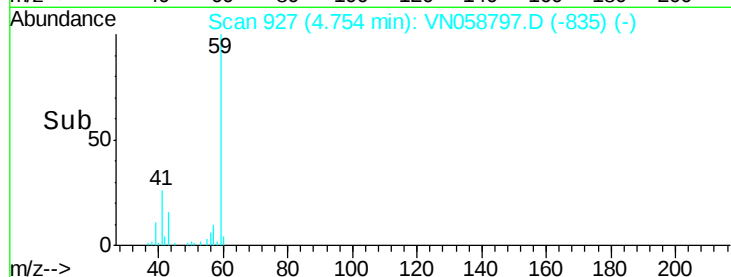
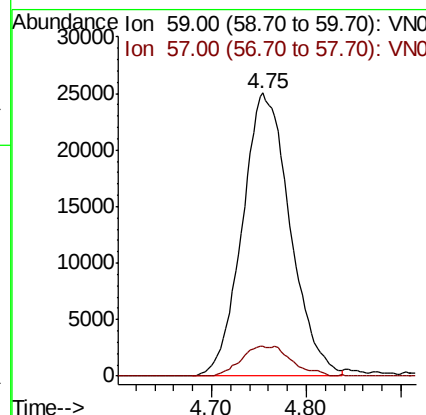
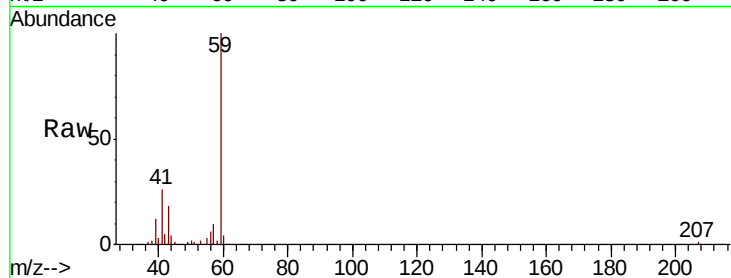
Tert butyl alcohol
Concen: 101.480 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	59	Resp	87849
Ion Ratio	100	Lower	Upper
57	6.2	8.4	12.6#

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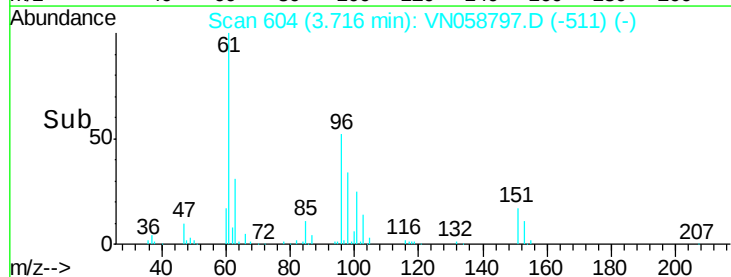
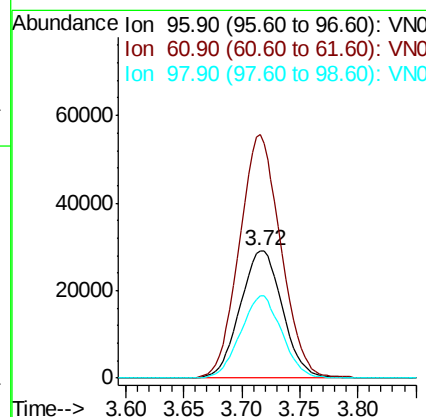
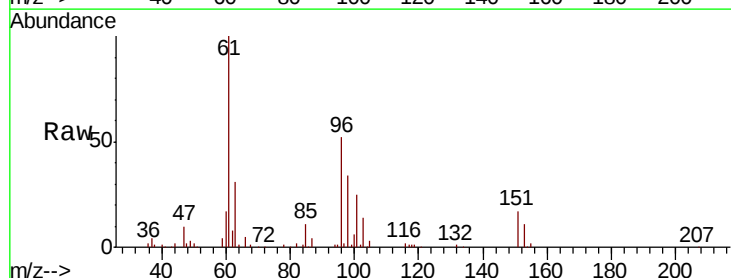
MMDadoda
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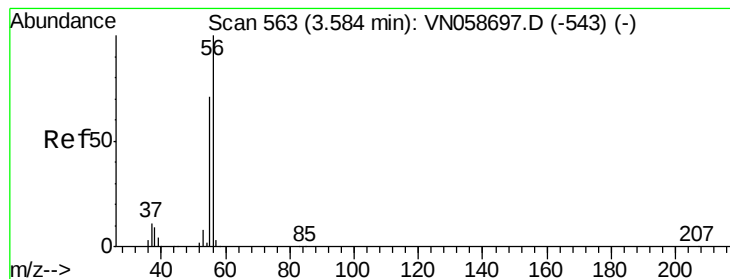


#12

1,1-Dichloroethene
Concen: 20.143 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	96	Resp	73860
Ion Ratio	100	Lower	Upper
61	190.2	151.3	226.9
98	64.3	52.6	78.8





#13

Acrolein

Concen: 63.855 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 56 Resp: 44457

Ion Ratio Lower Upper

56 100

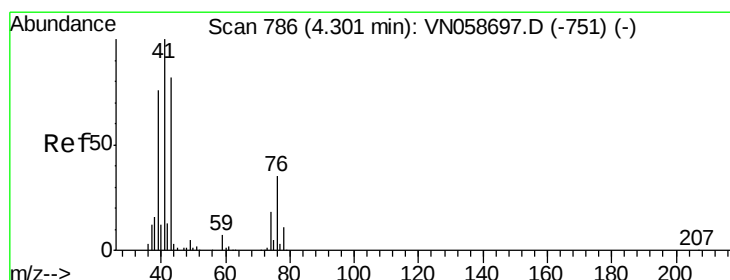
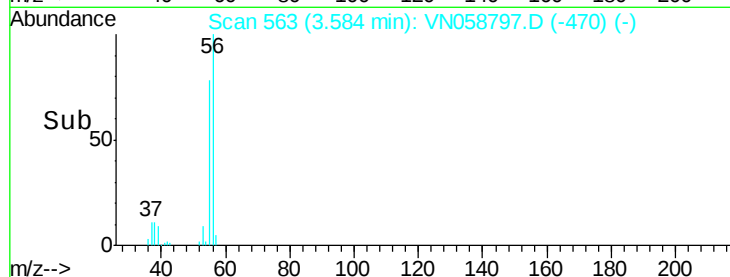
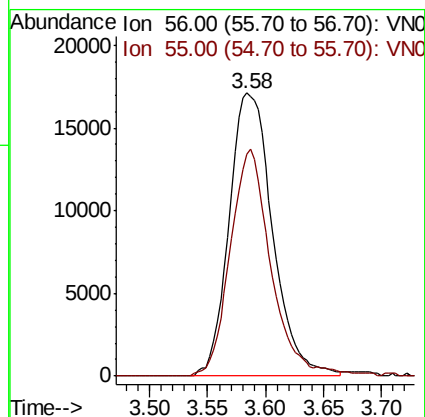
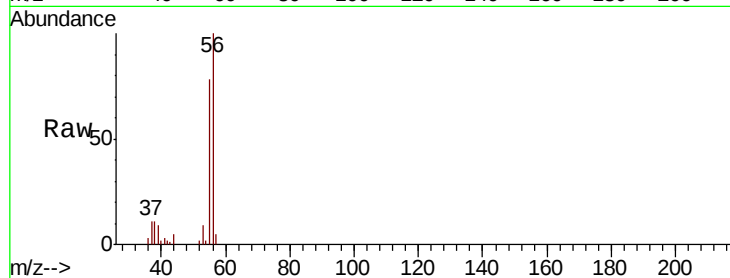
55 75.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.257 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

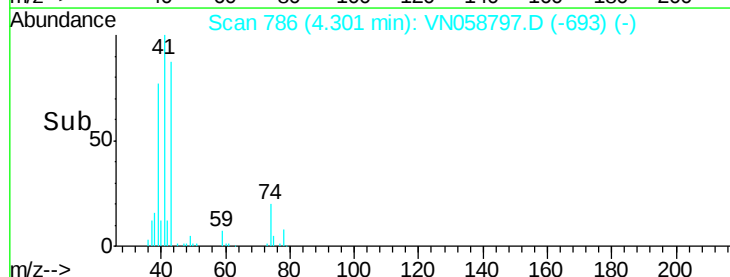
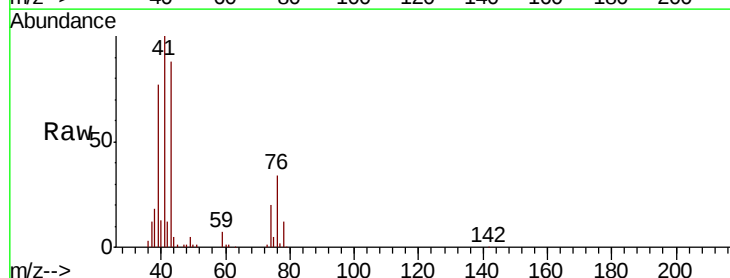
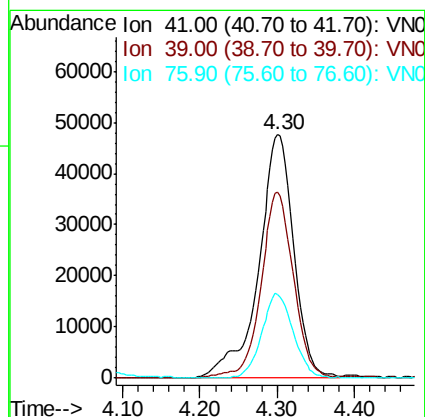
Tgt Ion: 41 Resp: 149896

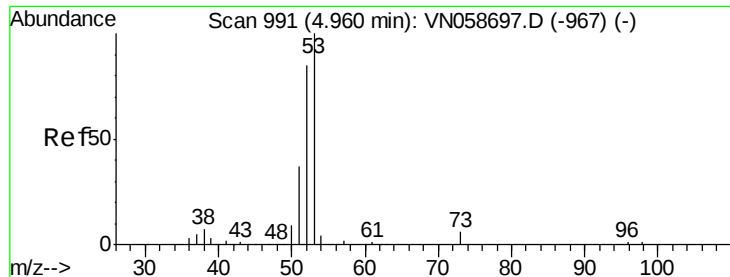
Ion Ratio Lower Upper

41 100

39 70.7 57.2 85.8

76 31.0 25.0 37.6





#15

Acrylonitrile

Concen: 106.167 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

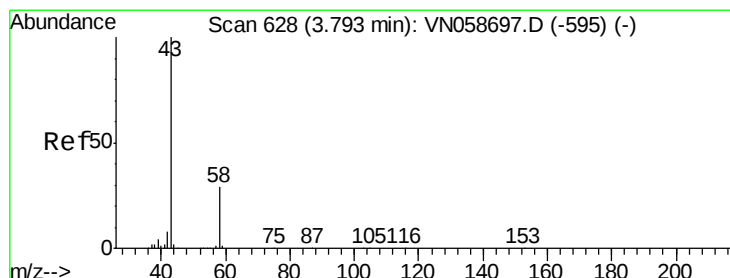
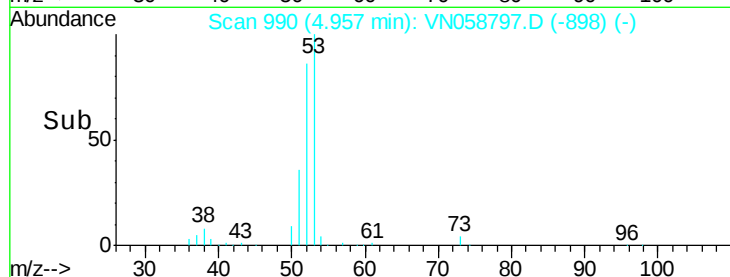
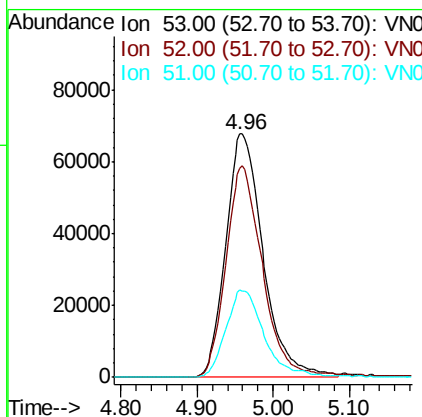
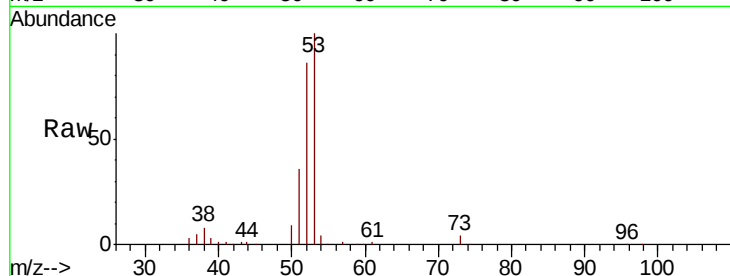
ClientSampleId :

VN1016WBS01

Tot Ion:	53	Resp:	231772
Ion Ratio	Lower	Upper	
53	100		
52	84.8	66.2	99.2
51	36.6	29.4	44.2

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#16

Acetone

Concen: 101.526 ug/l

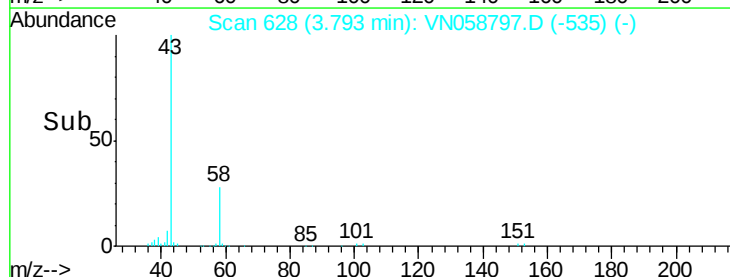
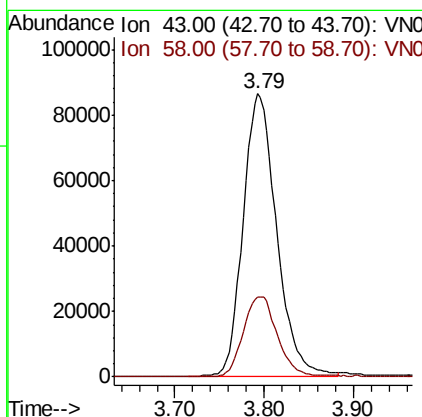
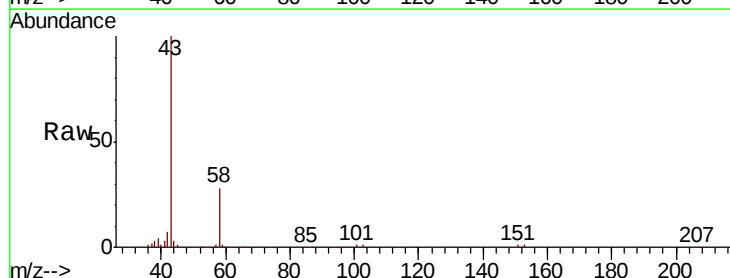
RT: 3.79 min Scan# 628

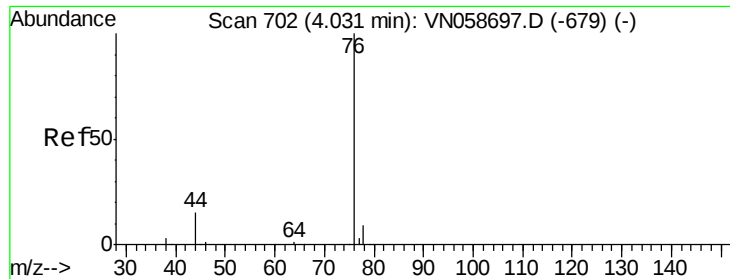
Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion:	43	Resp:	224668
Ion Ratio	Lower	Upper	
43	100		
58	28.1	23.3	34.9





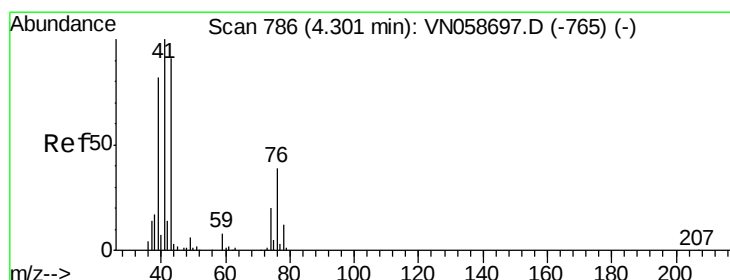
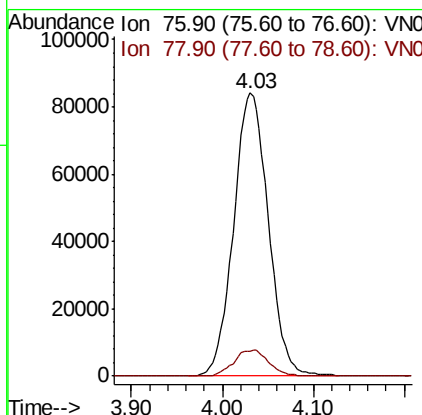
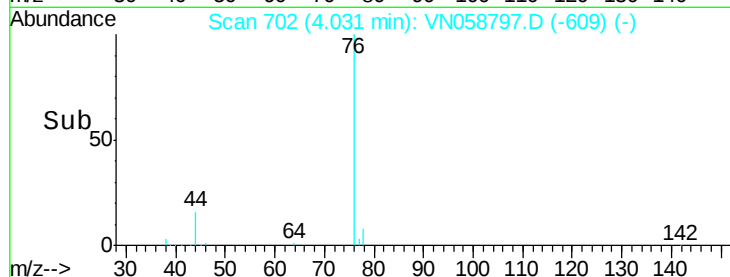
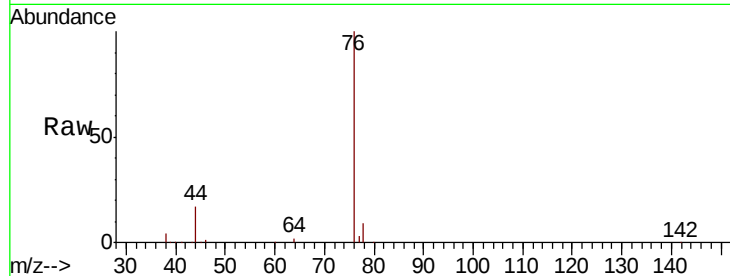
#17
Carbon Disulfide
Concen: 19.003 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

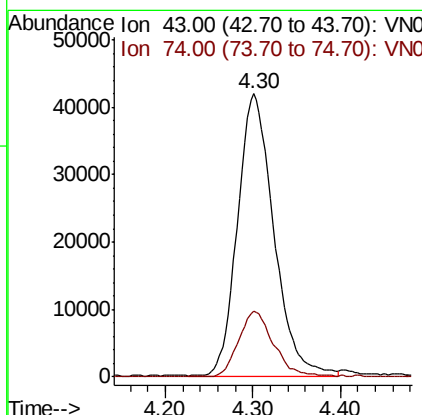
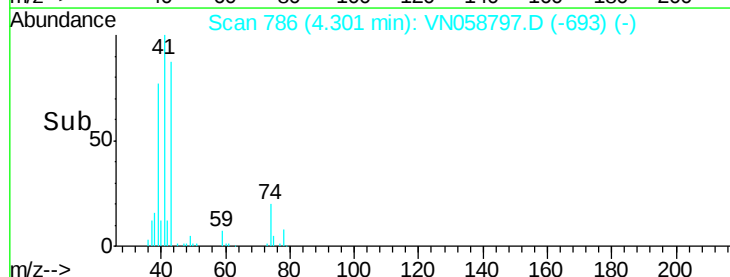
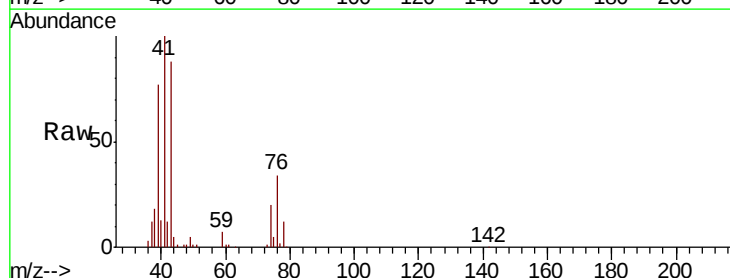
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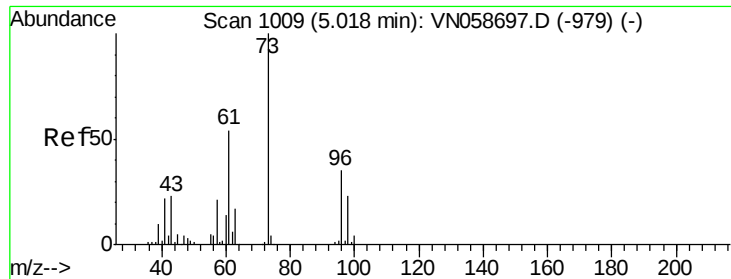
MMDadoda
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#18
Methyl Acetate
Concen: 21.716 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.2	25.8





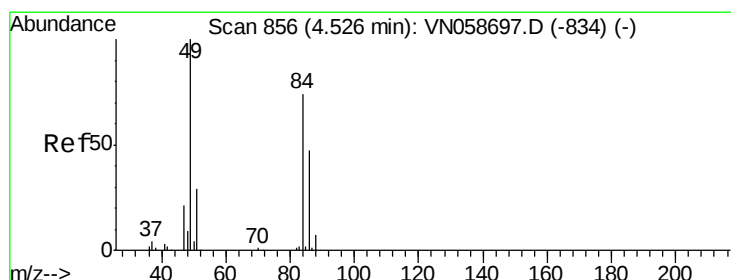
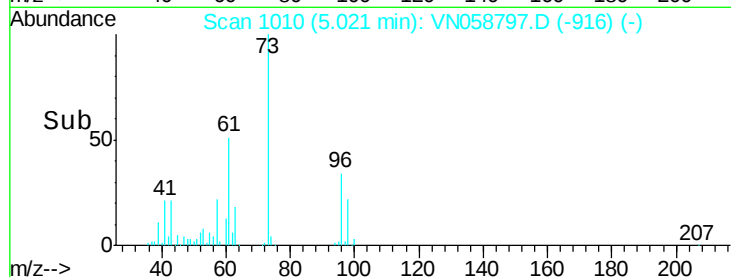
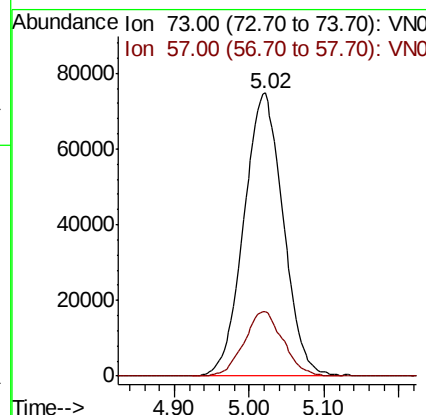
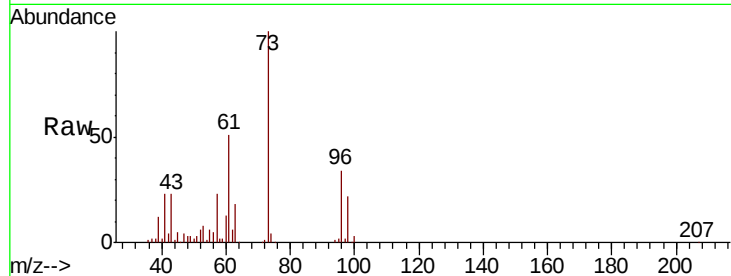
#19
Methvl tert-butvl Ether
Concen: 20.890 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion: 73 Resp: 273519
Ion Ratio Lower Upper
73 100
57 22.9 17.0 25.6

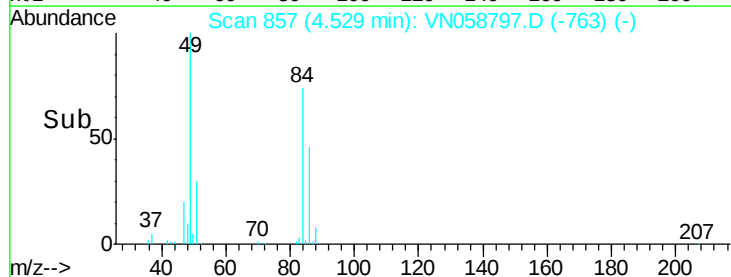
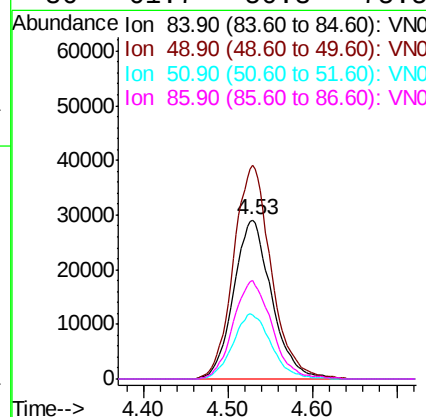
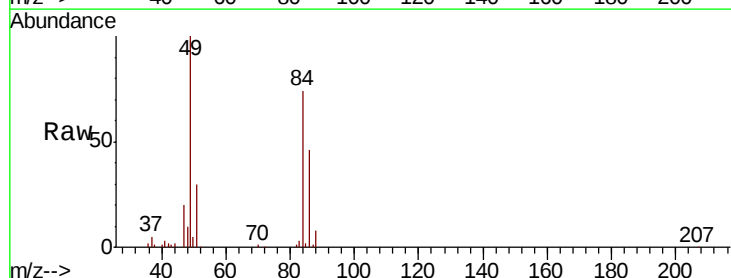
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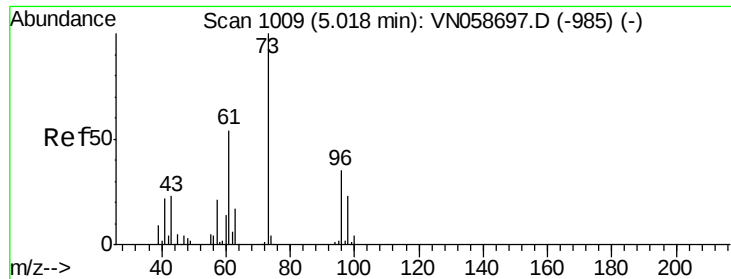
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#20
Methylene Chloride
Concen: 19.706 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion: 84 Resp: 91136
Ion Ratio Lower Upper
84 100
49 134.2 107.6 161.4
51 40.3 31.4 47.0
86 61.7 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 19.961 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

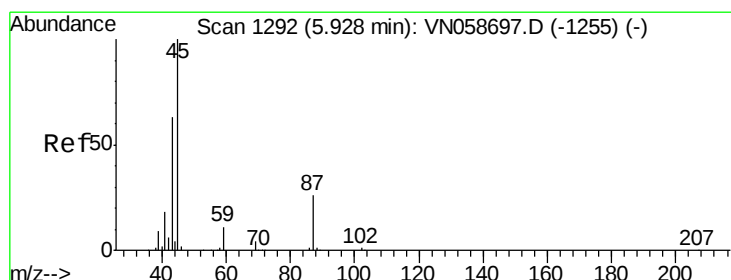
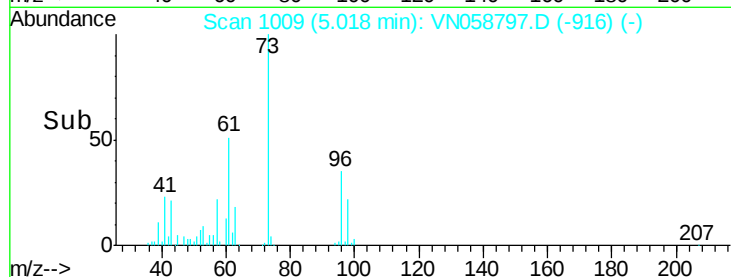
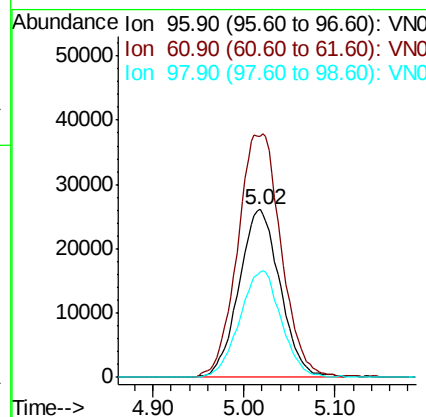
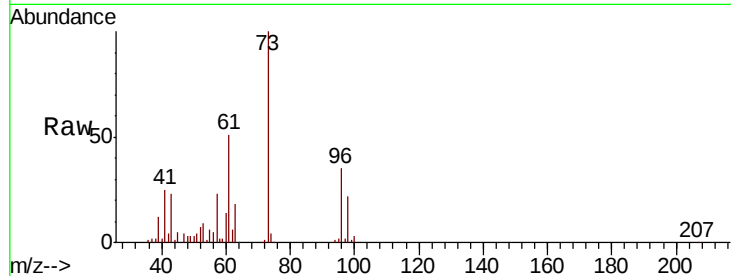
ClientSampleId :

VN1016WBS01

Tot Ion:	96	Resp:	81871
Ion	Ratio	Lower	Upper
96	100		
61	144.1	123.6	185.4
98	63.0	52.1	78.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.968 ug/l

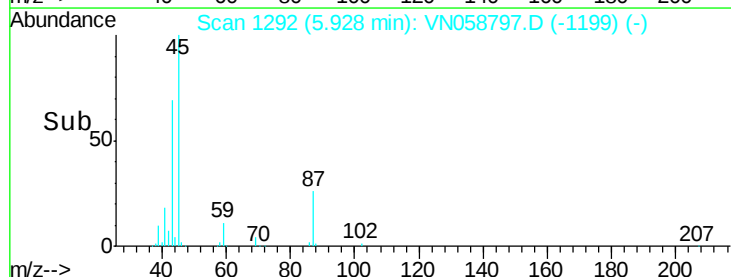
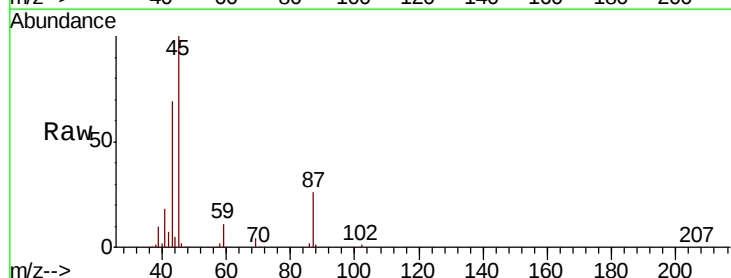
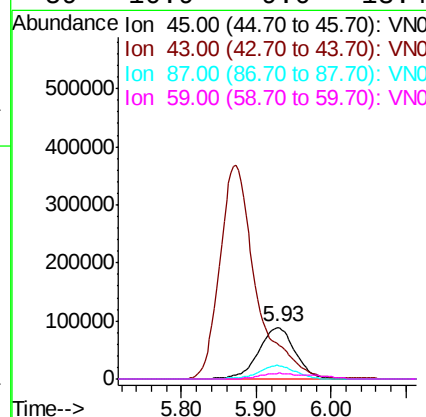
RT: 5.93 min Scan# 1292

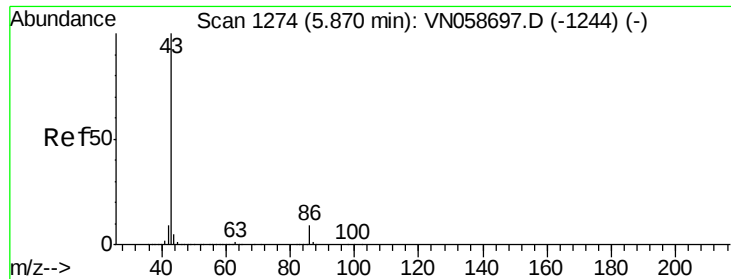
Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion:	45	Resp:	301682
Ion	Ratio	Lower	Upper
45	100		
43	66.3	50.6	75.8
87	26.1	21.1	31.7
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 106.879 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 43 Resp: 1240794

Ion Ratio Lower Upper

43 100

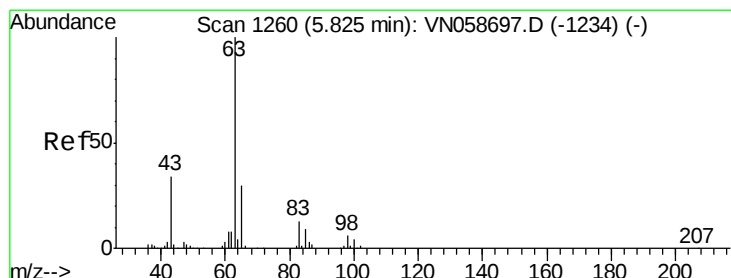
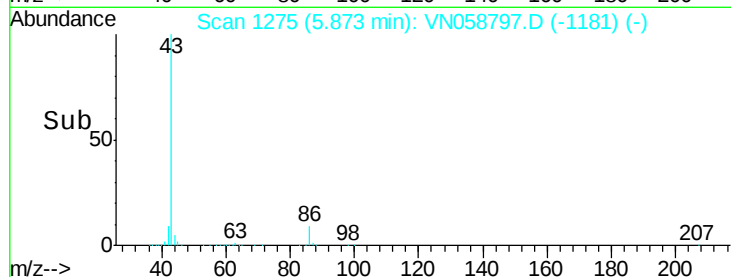
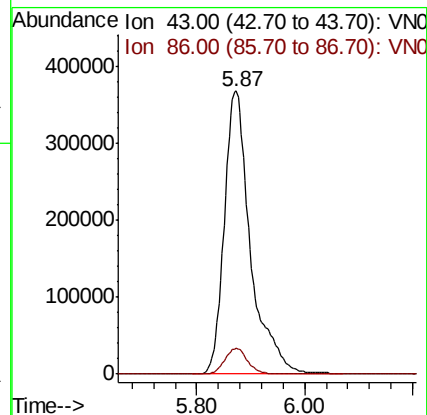
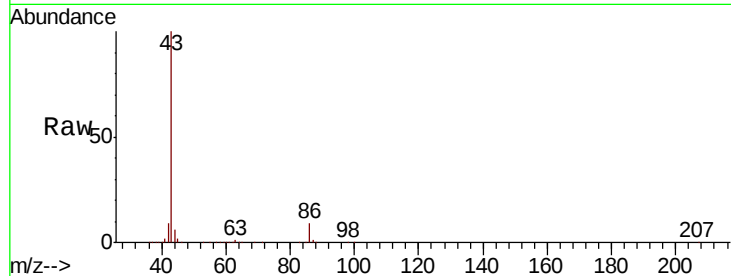
86 9.0 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.596 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

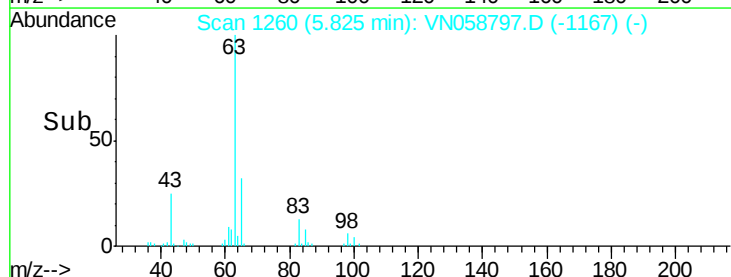
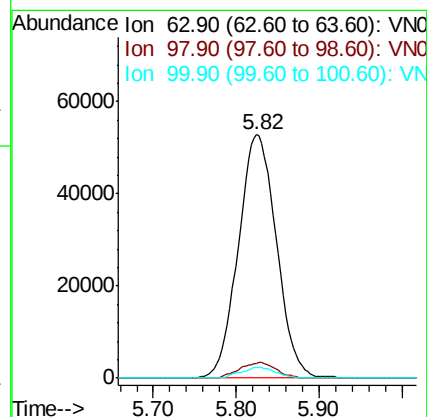
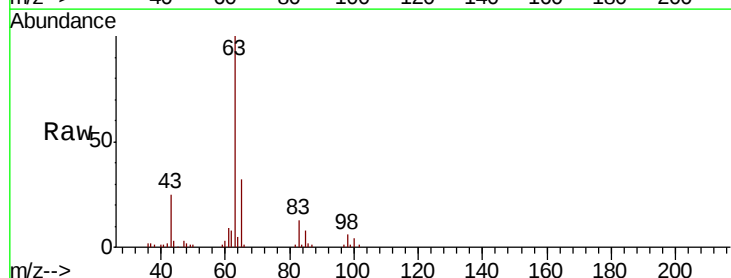
Tgt Ion: 63 Resp: 168763

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

100 4.4 1.8 5.5





#25

2-Butanone

Concen: 102.795 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 43 Resp: 328794

Ion Ratio Lower Upper

43 100

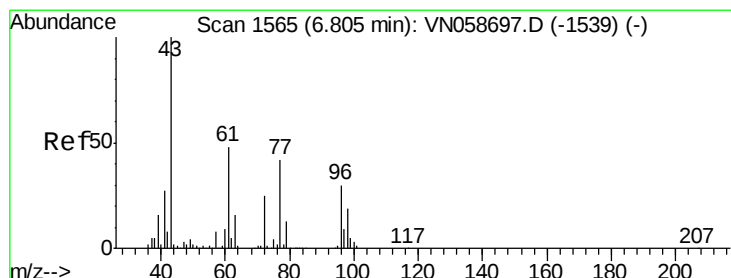
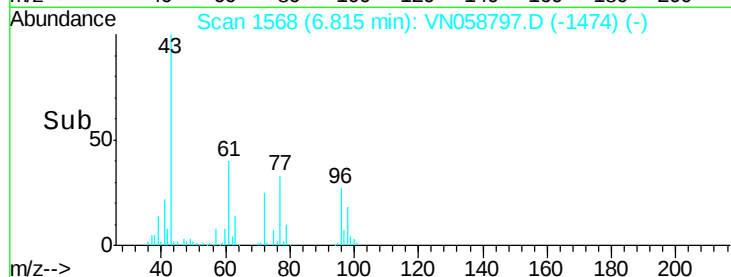
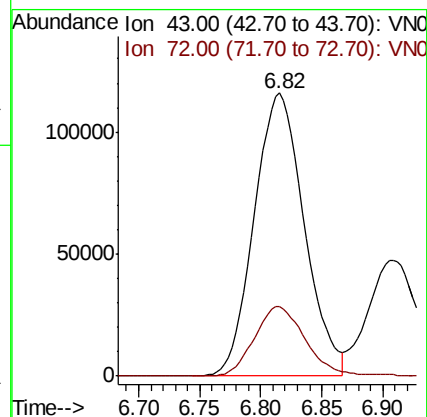
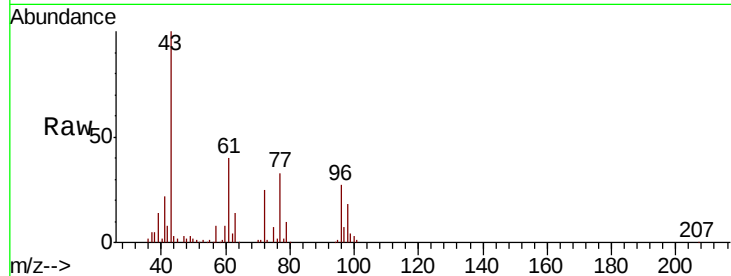
72 24.7 20.2 30.2

Manual Integrations

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MMDadoda

10/18/2019 12:51:26 AM



#26

2,2-Dichloropropane

Concen: 19.220 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058797.D

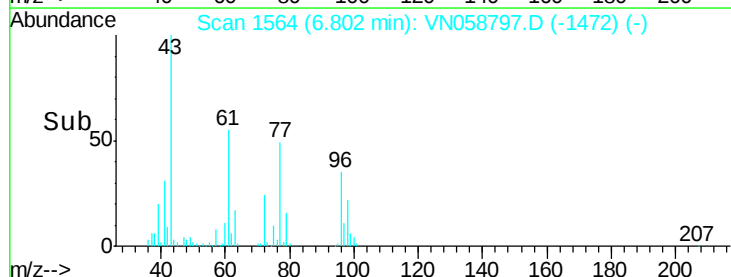
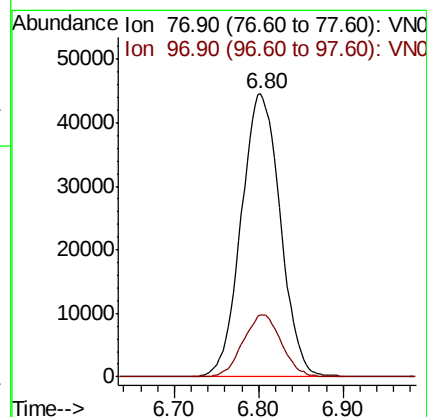
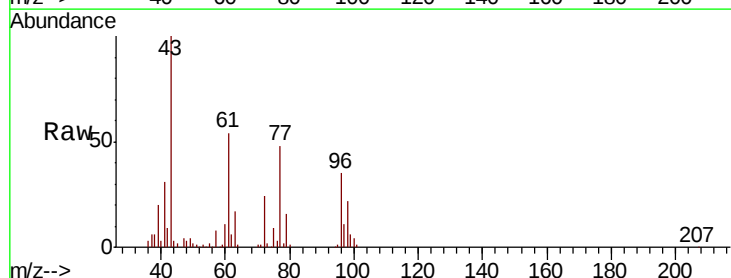
Acq: 16 Oct 2019 13:36

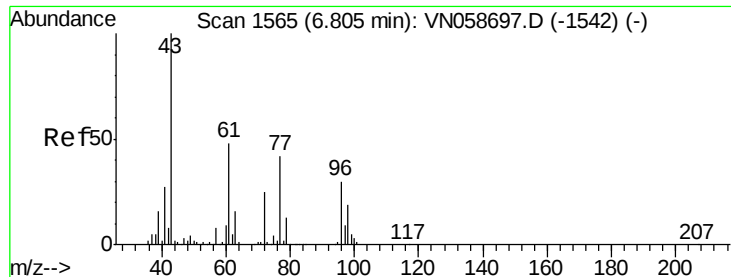
Tgt Ion: 77 Resp: 143763

Ion Ratio Lower Upper

77 100

97 21.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.995 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

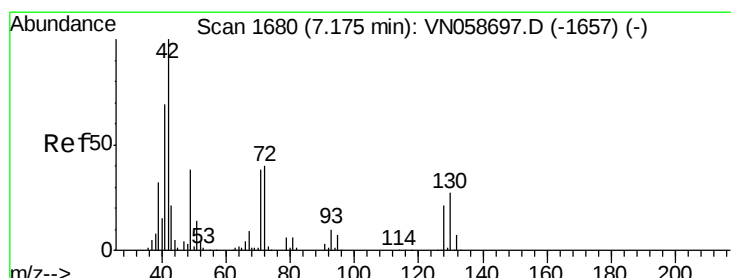
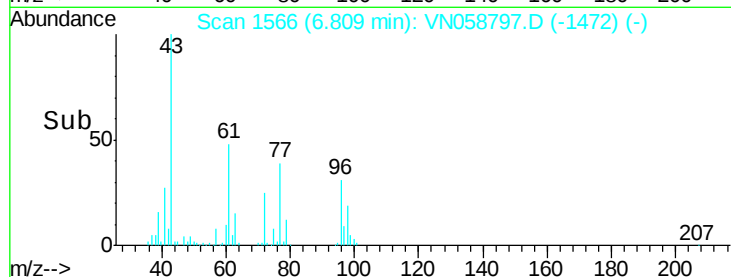
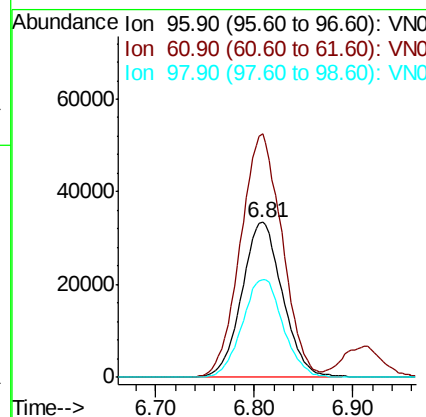
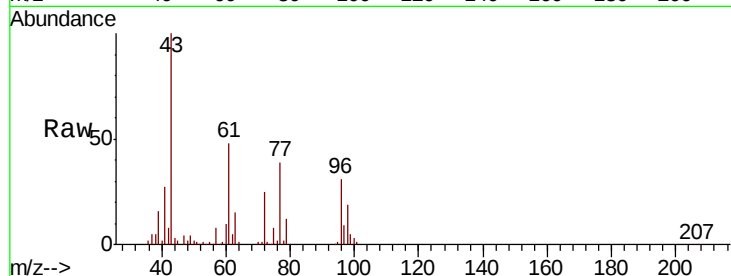
ClientSampled :

VN1016WBS01

Tot Ion:	96	Resp:	95634
Ion	Ratio	Lower	Upper
96	100		
61	161.0	0.0	324.8
98	63.0	0.0	129.2

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#28

Bromochloromethane

Concen: 21.172 ug/l

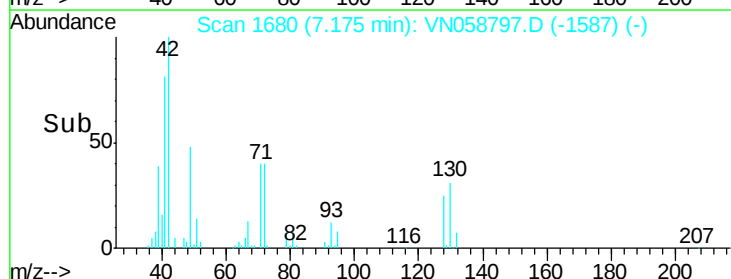
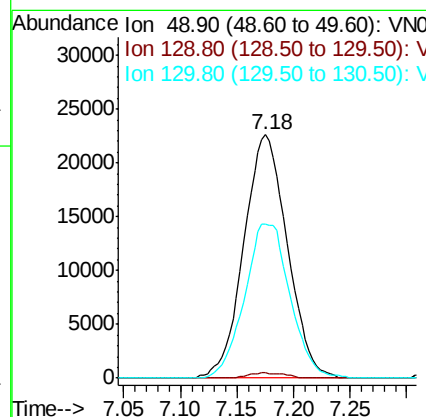
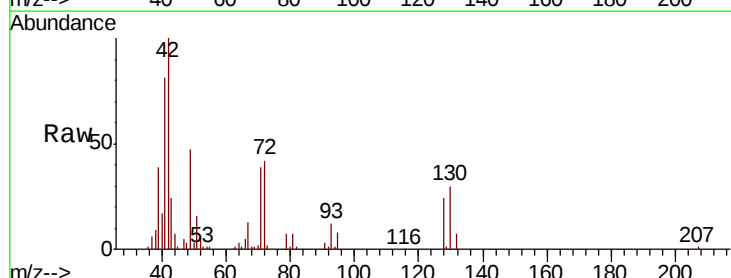
RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion:	49	Resp:	60355
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	66.3	55.0	82.4





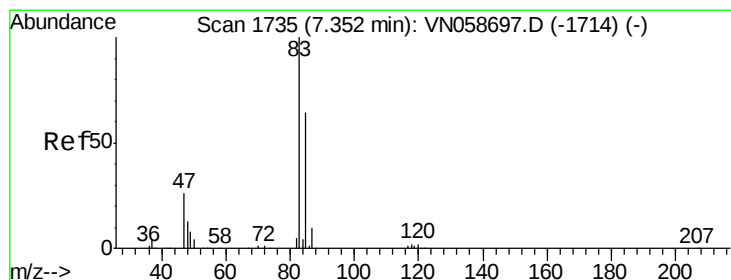
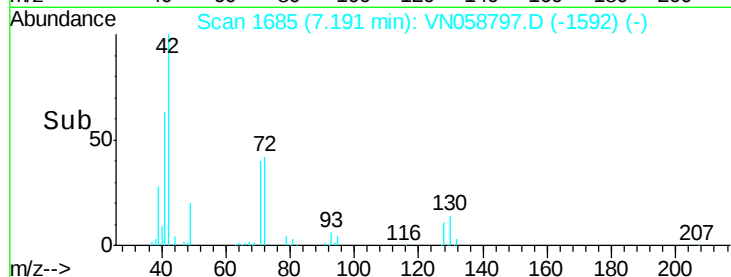
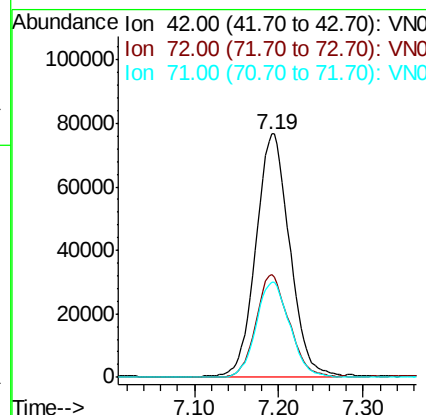
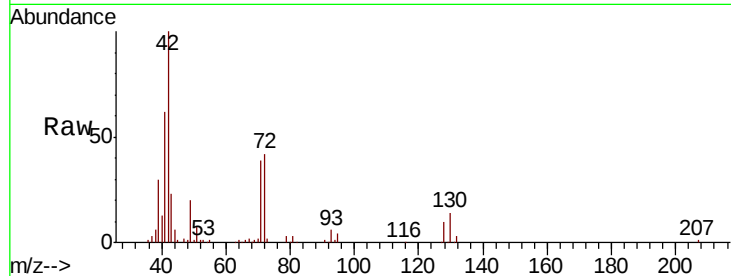
#29
Tetrahydrofuran
Concen: 104.065 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.8	49.2
71	39.0	31.1	46.7

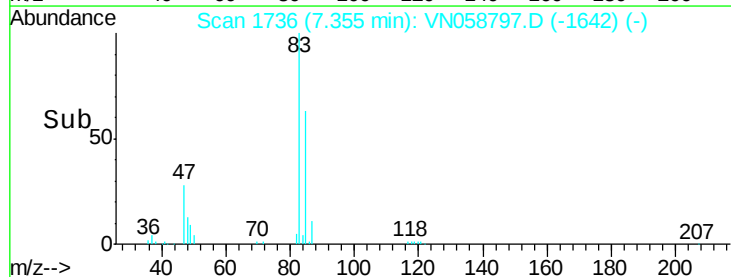
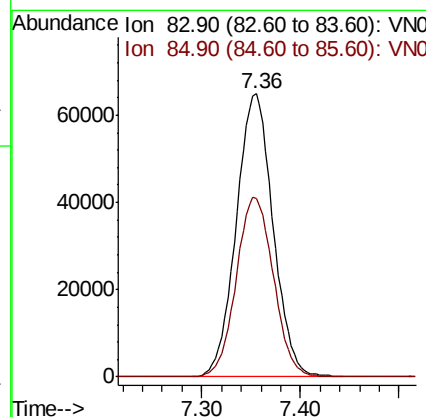
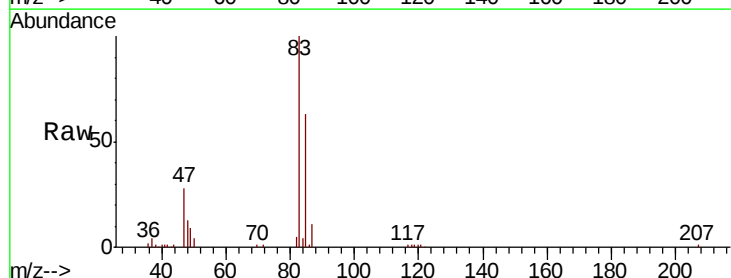
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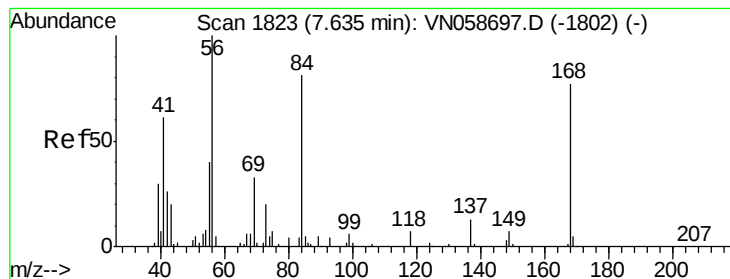
MMDadoda
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#30
Chloroform
Concen: 20.409 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.0	76.6





#31

Cyclohexane

Concen: 19.388 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

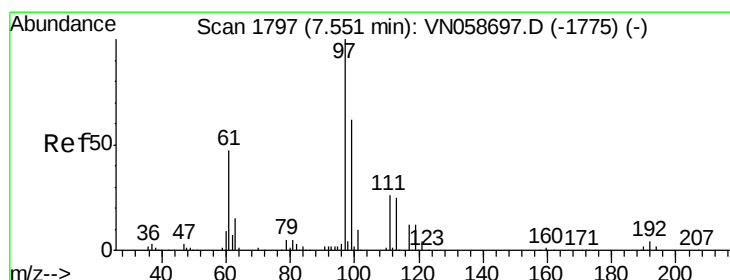
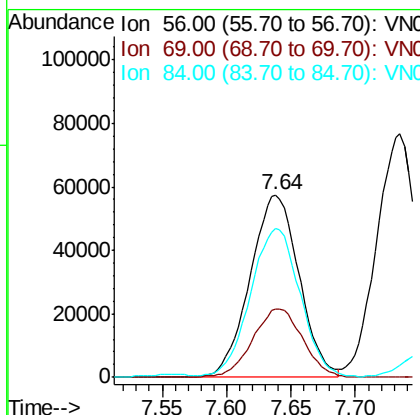
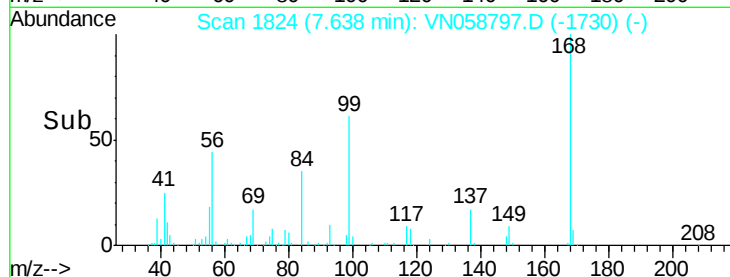
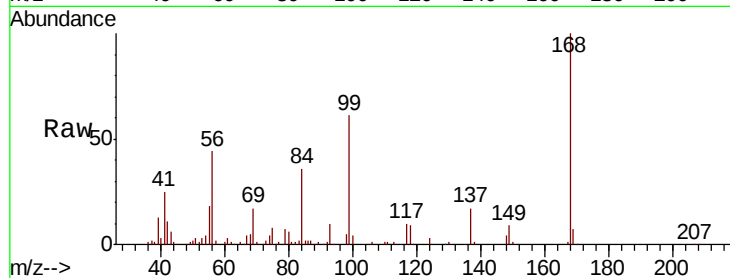
ClientSampleId :

VN1016WBS01

Tot Ion:	56	Resp:	152008
Ion Ratio	Lower	Upper	
56	100		
69	37.7	26.2	39.4
84	80.4	64.9	97.3

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#32

1,1,1-Trichloroethane

Concen: 21.009 ug/l

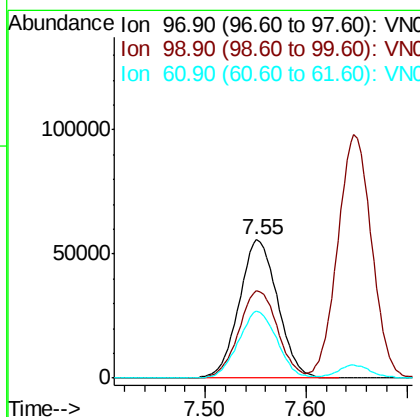
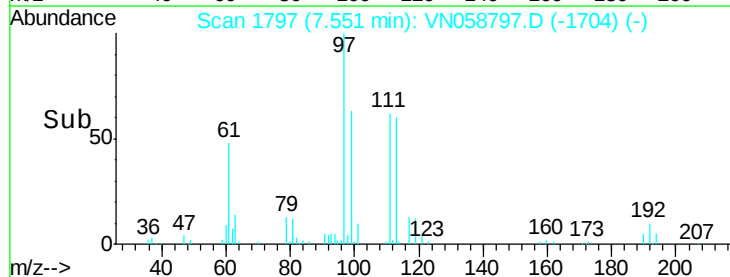
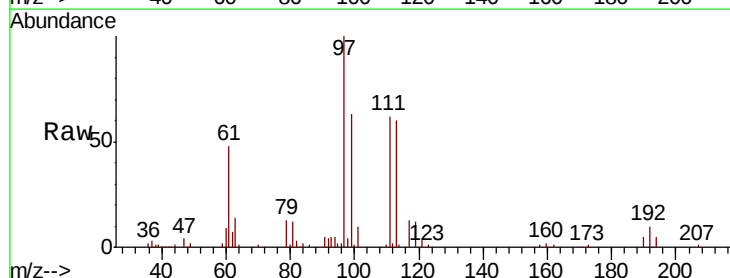
RT: 7.55 min Scan# 1797

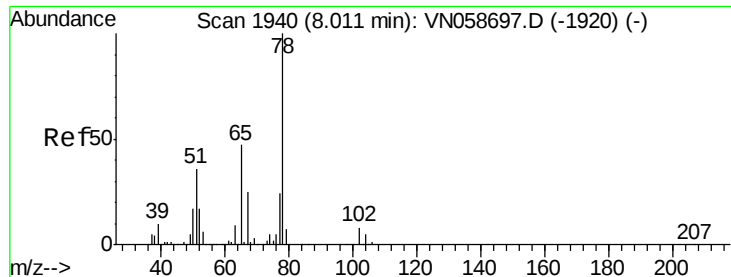
Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion:	97	Resp:	147503
Ion Ratio	Lower	Upper	
97	100		
99	63.4	50.8	76.2
61	48.3	38.1	57.1





#33

1,2-Dichloroethane-d4

Concen: 51.044 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 65 Resp: 272845

Ion Ratio Lower Upper

65 100

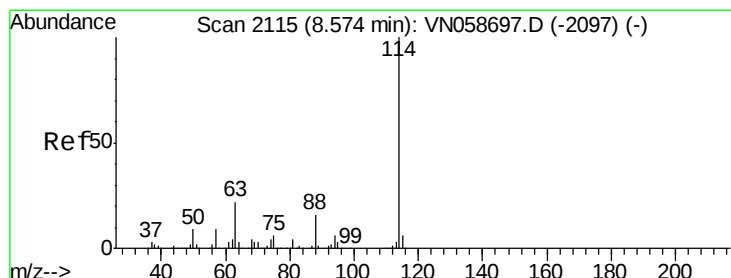
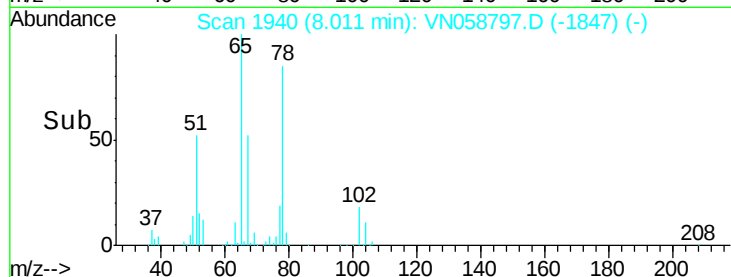
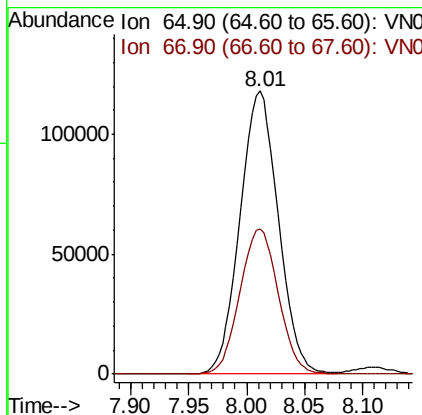
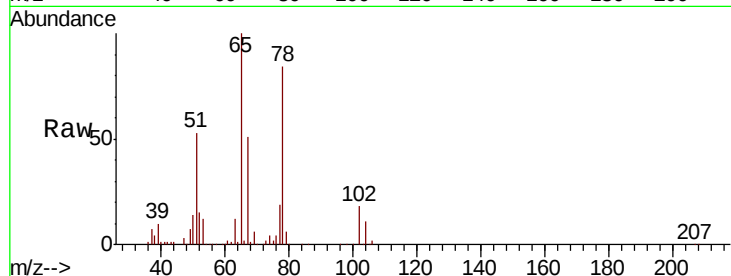
67 51.5 0.0 103.8

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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: VN058797.D

Acq: 16 Oct 2019 13:36

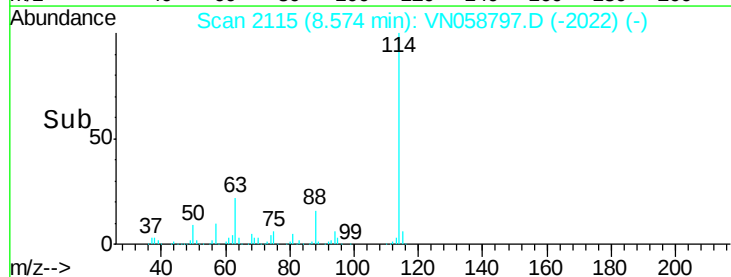
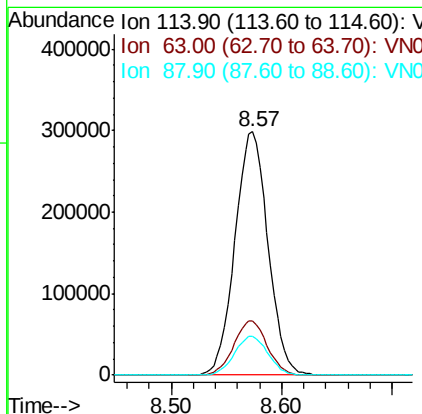
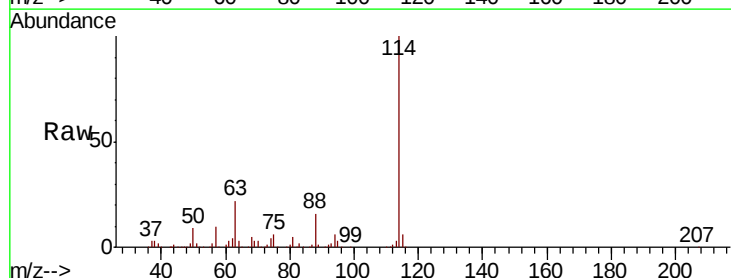
Tgt Ion: 114 Resp: 619195

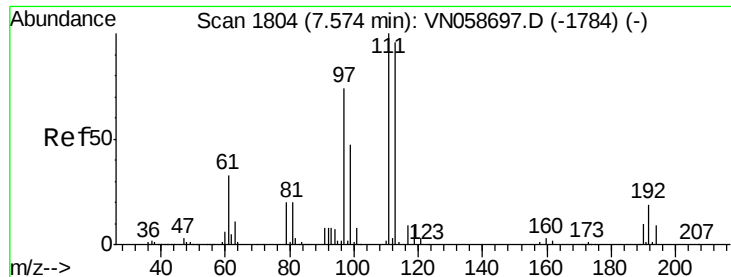
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

88 15.9 0.0 32.0





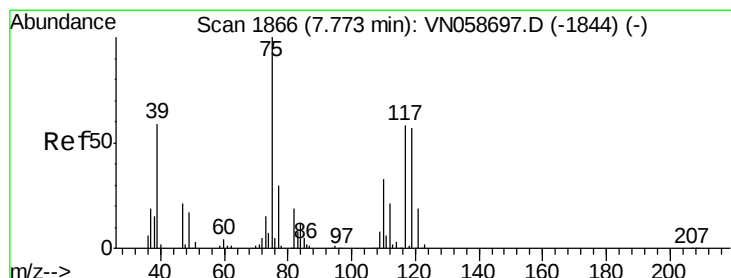
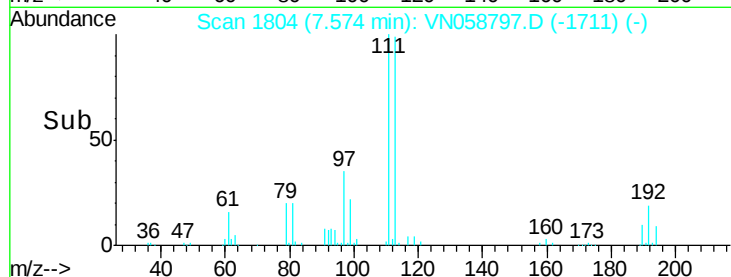
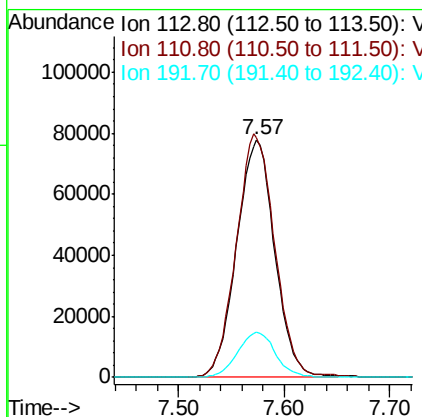
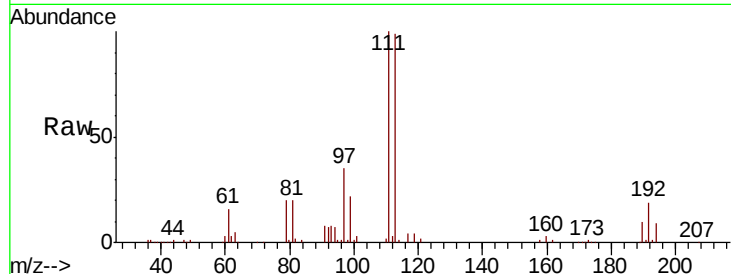
#35
 Dibromofluoromethane
 Concen: 50.981 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	194984		
111	102.9	82.3	123.5	
192	18.9	15.0	22.6	

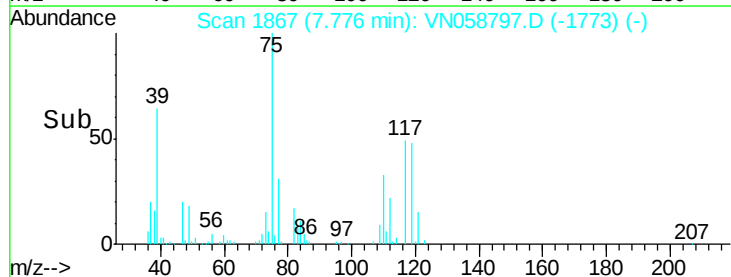
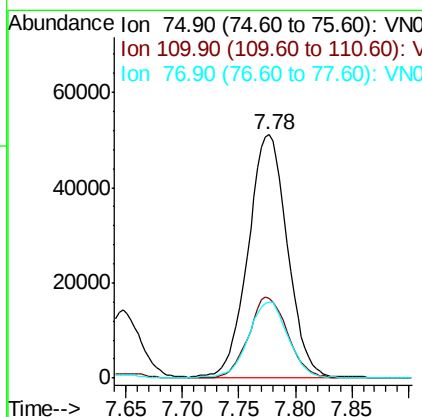
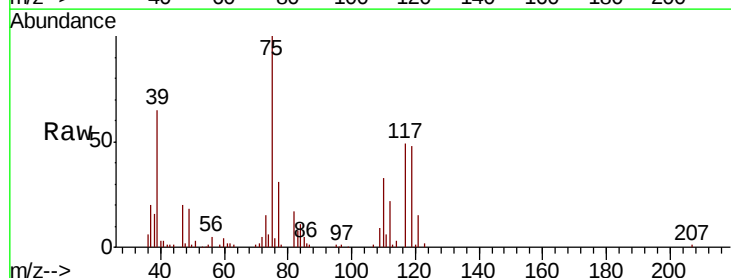
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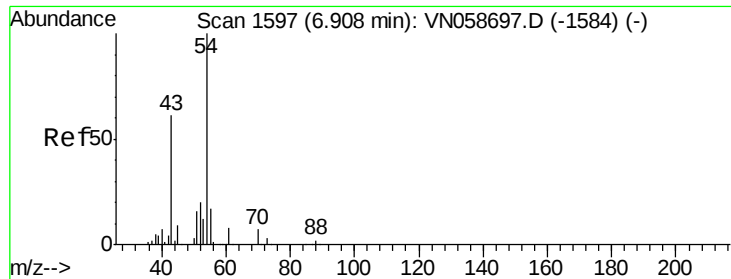
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#36
 1,1-Dichloropropene
 Concen: 19.582 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122590		
110	33.2	16.6	49.8	
77	31.9	24.6	37.0	





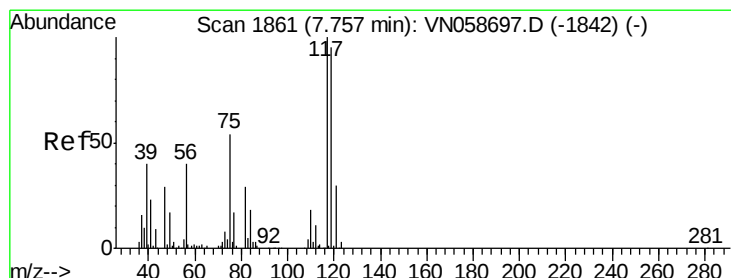
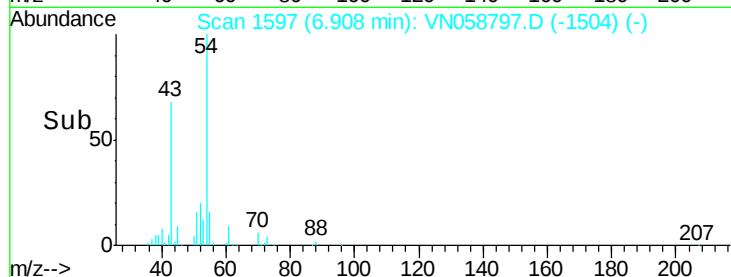
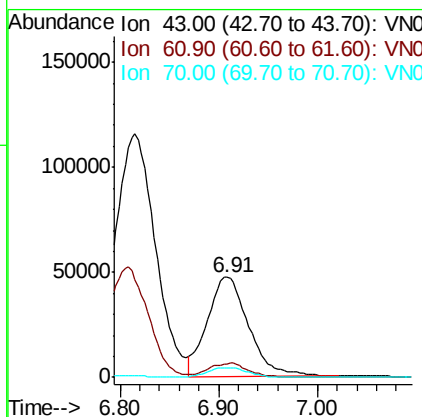
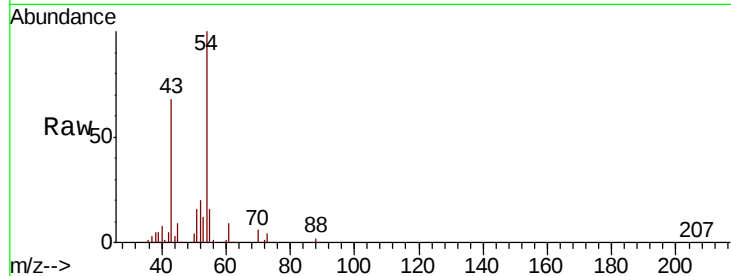
#37
Ethyl Acetate
Concen: 21.735 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.3	16.9
70	4.1	7.2	10.8

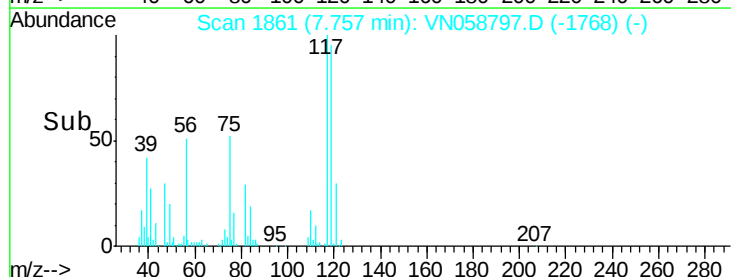
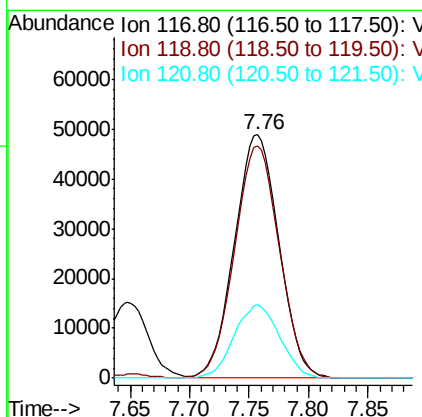
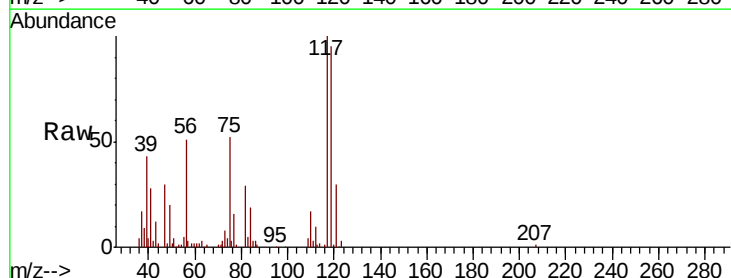
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#38
Carbon Tetrachloride
Concen: 20.760 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.7	113.5
121	30.1	23.9	35.9





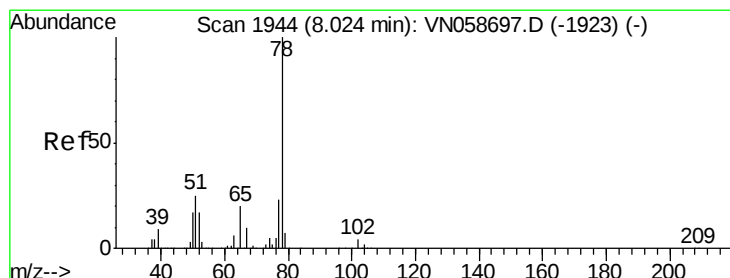
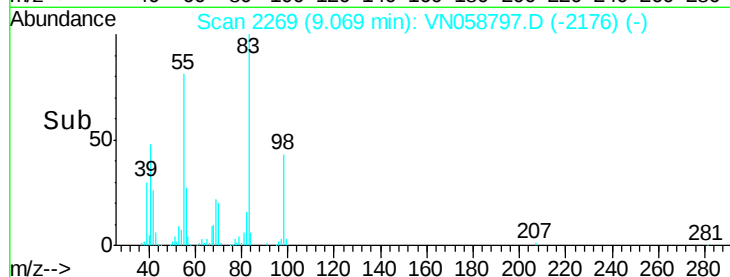
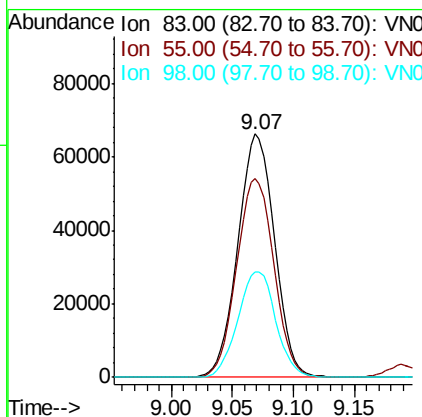
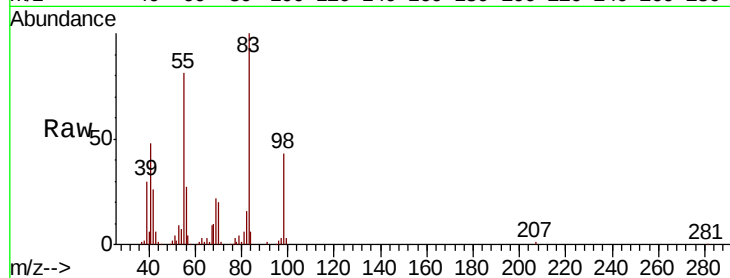
#39
Methvlcvclohexane
Concen: 18.984 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	63.4	95.0
98	43.2	35.1	52.7

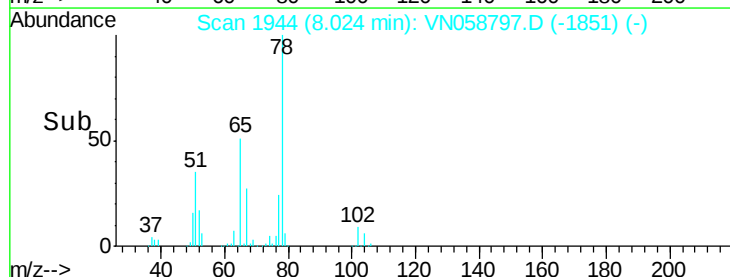
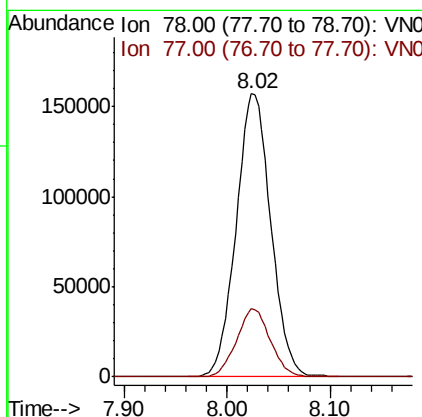
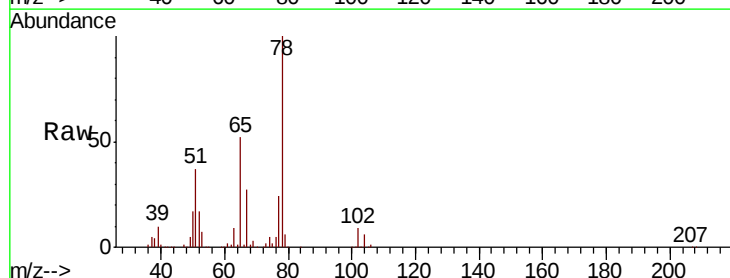
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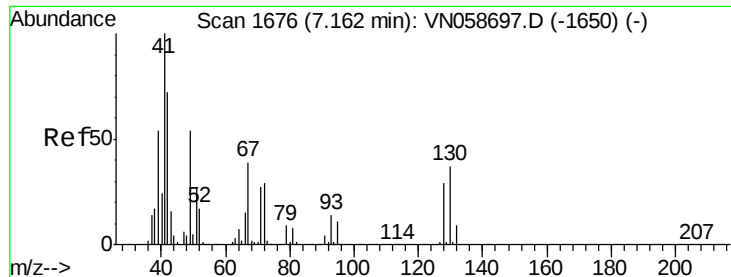
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#40
Benzene
Concen: 20.439 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





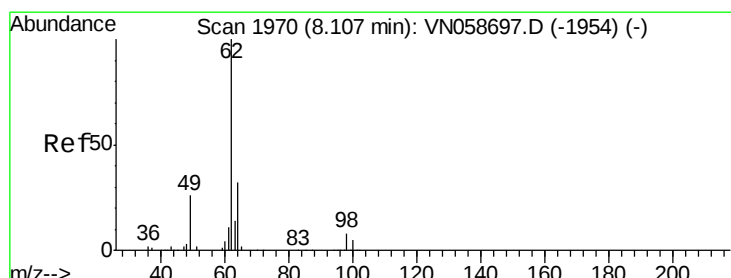
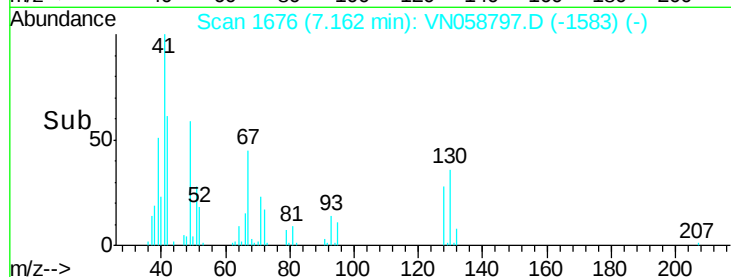
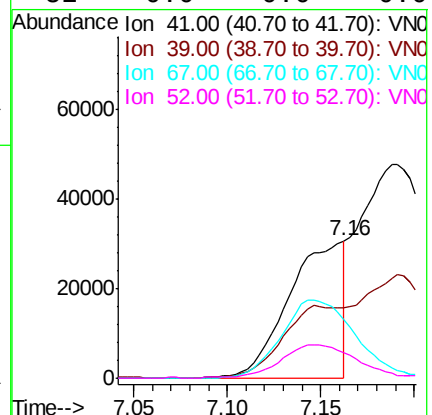
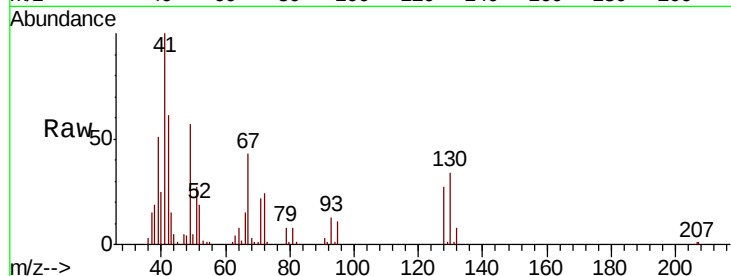
#41
Methacrylonitrile
Concen: 21.190 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

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

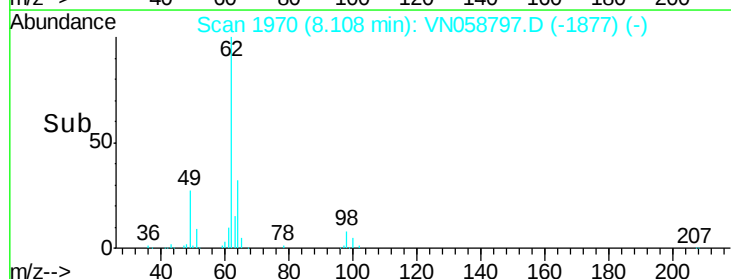
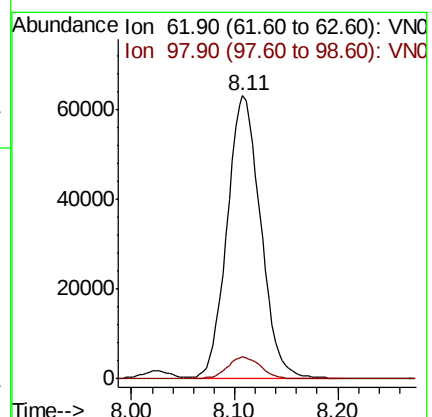
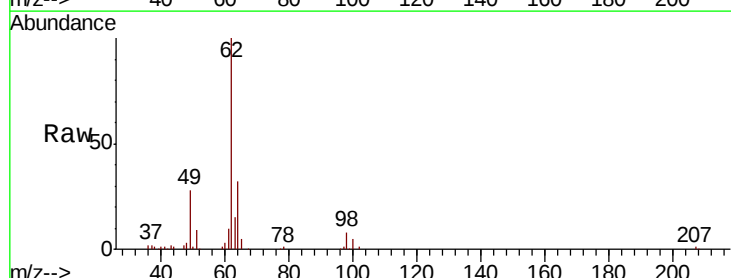
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 20.752 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 20.273 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

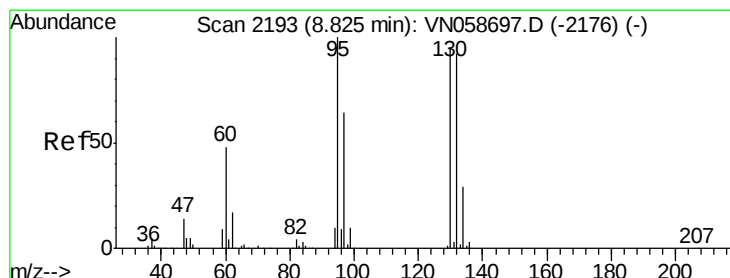
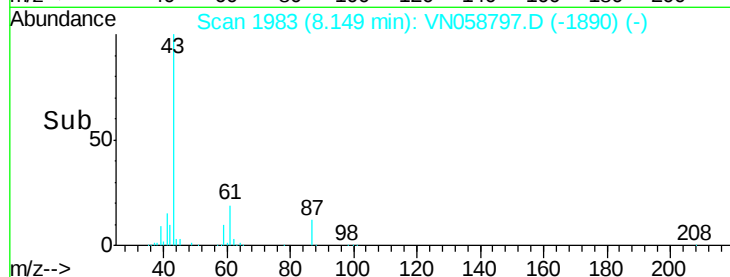
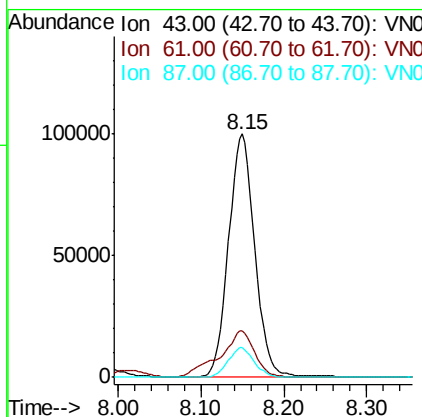
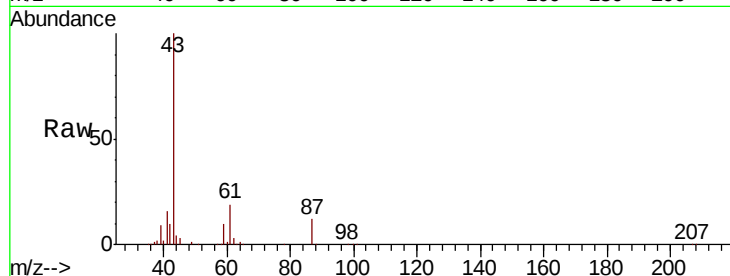
ClientSampleId :

VN1016WBS01

Tot Ion:	43	Resp:	218664
Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.3	30.5
87	12.1	9.8	14.6

Manual Integrations
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#44

Trichloroethene

Concen: 20.442 ug/l

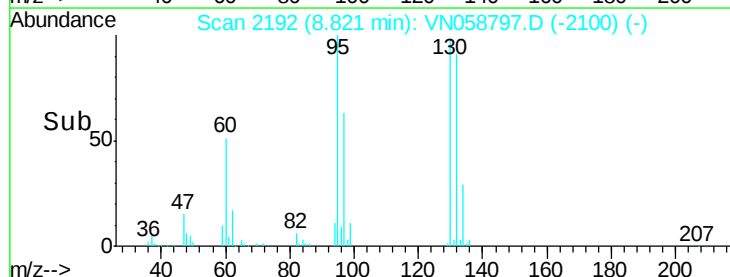
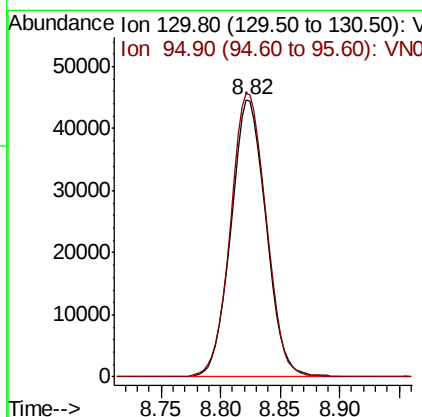
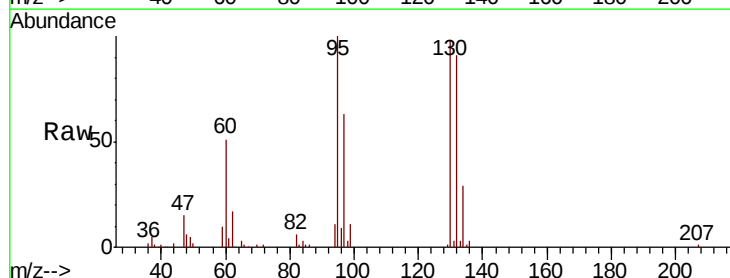
RT: 8.82 min Scan# 2192

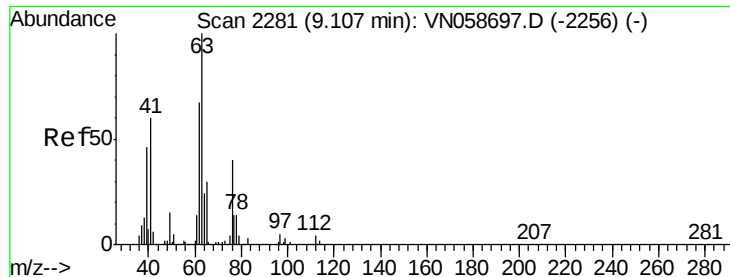
Delta R.T. -0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion:	130	Resp:	91275
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	211.2





#45

1,2-Dichloropropane

Concen: 20.923 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 63 Resp: 100708

Ion Ratio Lower Upper

63 100

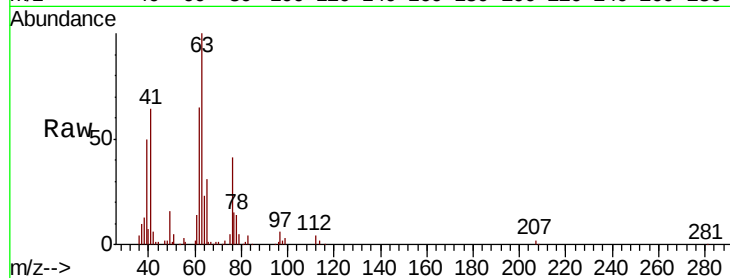
65 30.8 24.1 36.1

Manual Integrations

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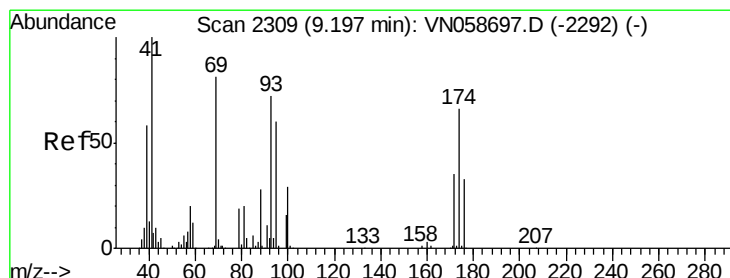
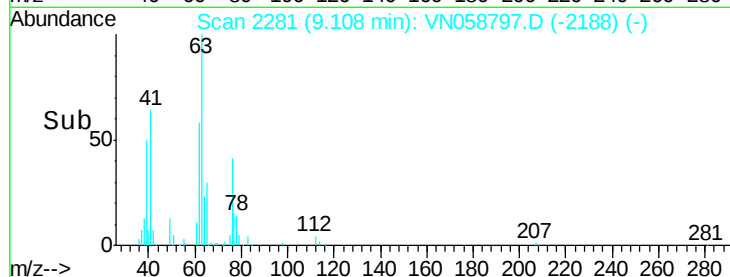
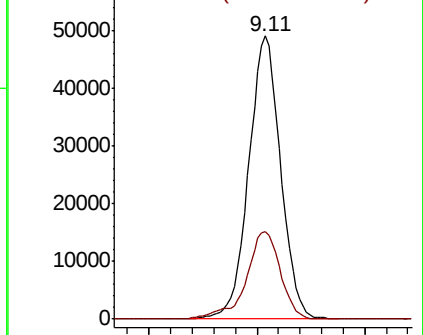
MMDadoda

10/18/2019 12:51:26 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.827 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

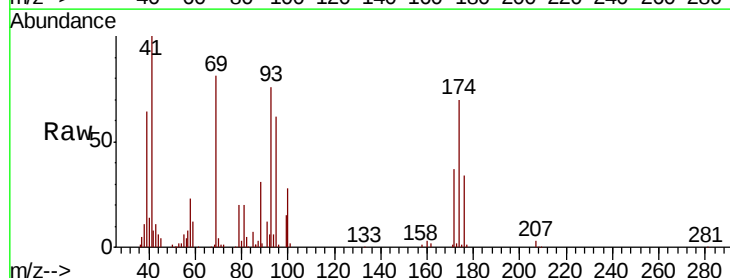
Tgt Ion: 93 Resp: 63557

Ion Ratio Lower Upper

93 100

95 81.1 66.6 100.0

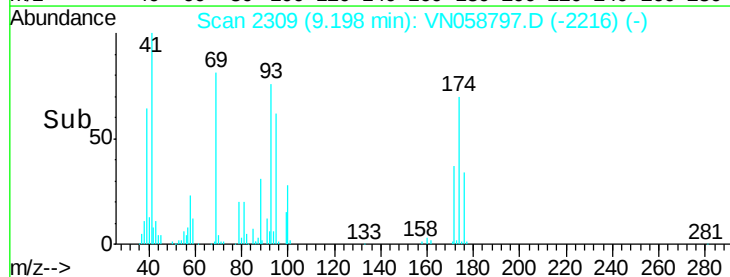
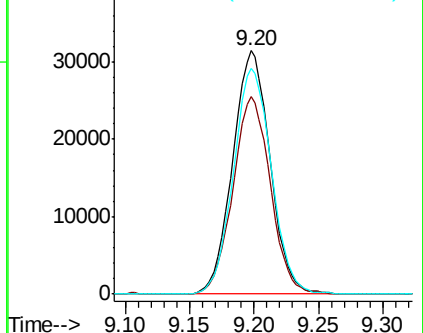
174 94.1 75.2 112.8

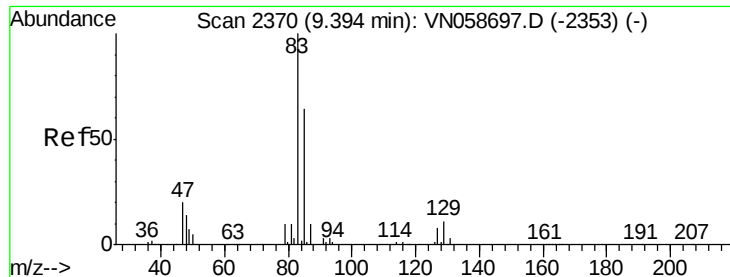


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





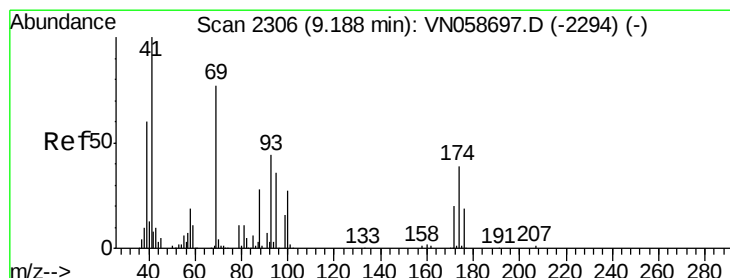
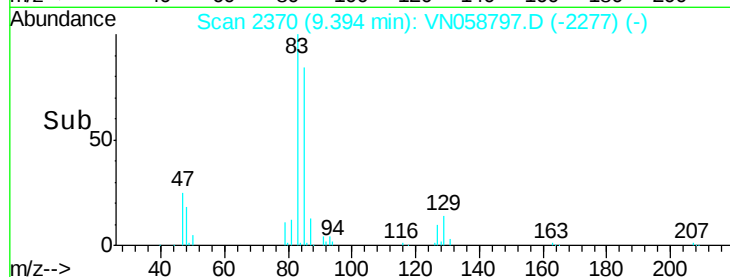
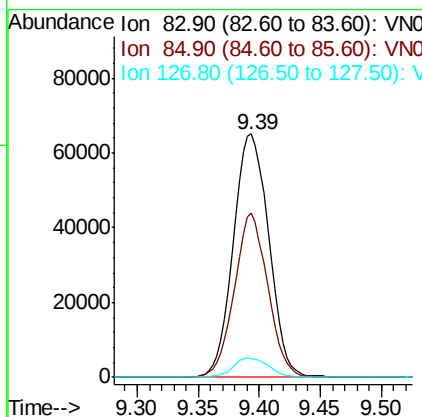
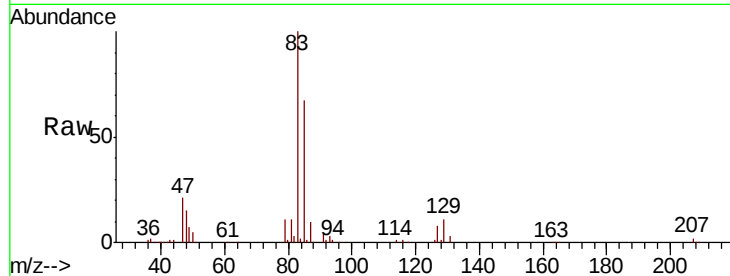
#47
Bromodichloromethane
Concen: 21.090 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.4	50.9	76.3
127	7.8	6.3	9.5

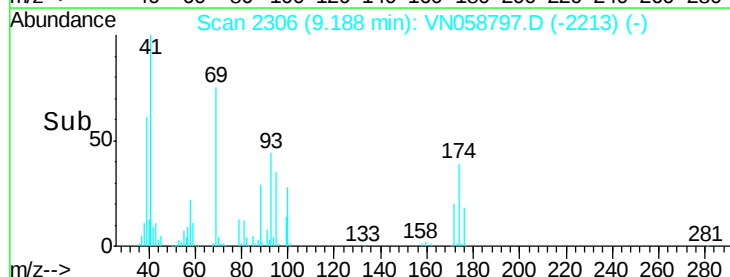
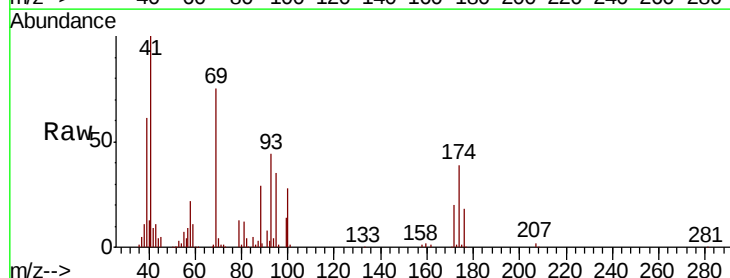
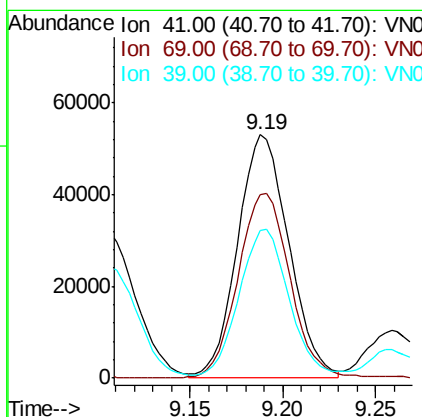
Manual Integrations
APPROVED

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10/18/2019 12:51:26 AM



#48
Methyl methacrylate
Concen: 20.769 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.3	63.4	95.2
39	60.3	48.9	73.3





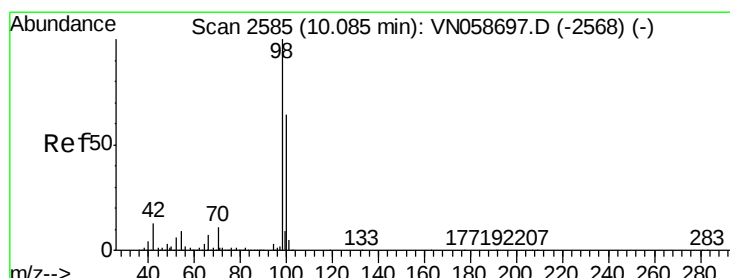
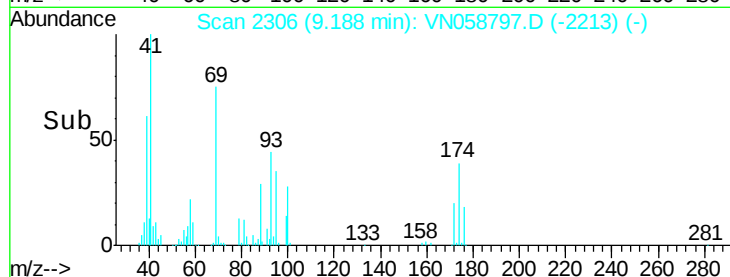
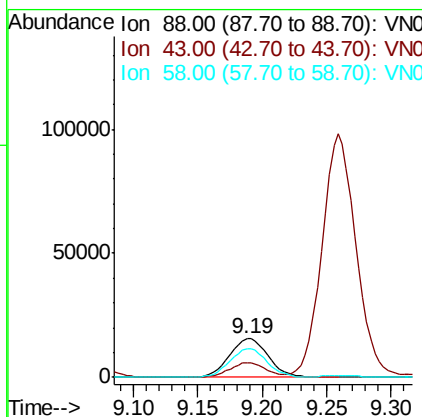
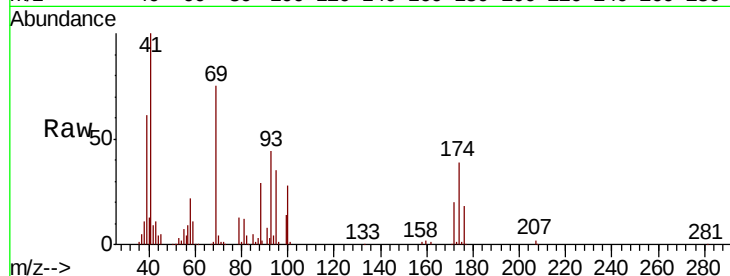
#49
1,4-Dioxane
Concen: 430.725 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.6	43.0
58	72.6	57.2	85.8

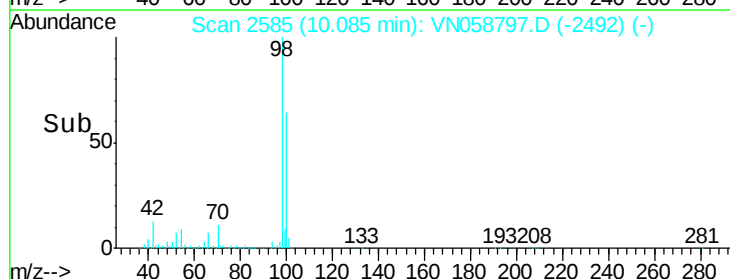
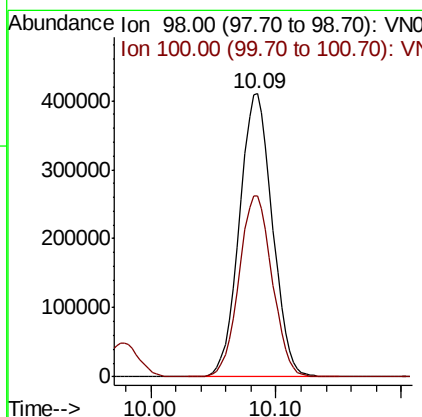
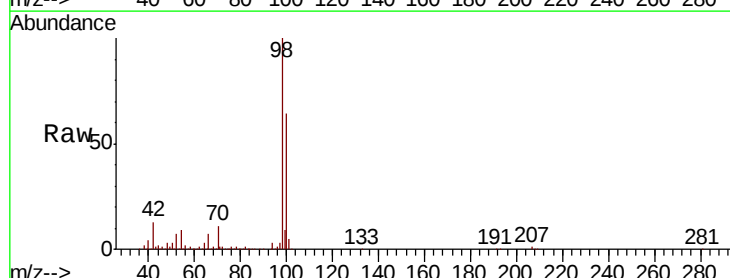
Manual Integrations
APPROVED

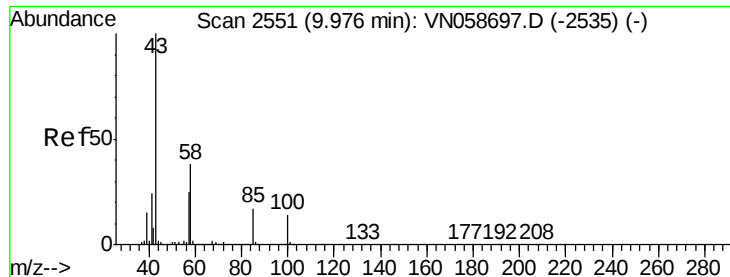
MMDadoda
10/18/2019 12:51:26 AM



#50
Toluene-d8
Concen: 48.934 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 112.143 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 43 Resp: 679306

Ion Ratio Lower Upper

43 100

58 36.8

30.3

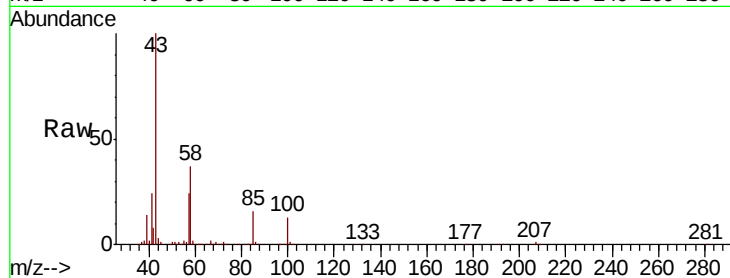
45.5

Manual Integrations

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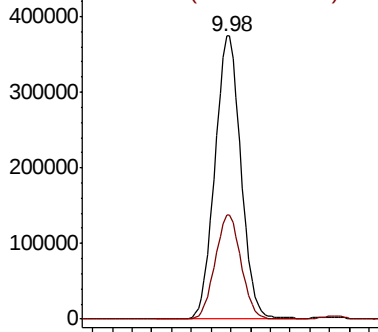
MMDadoda

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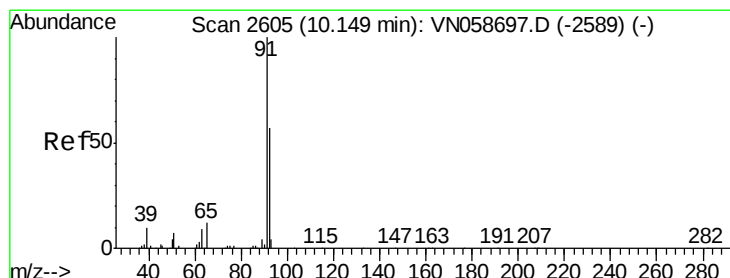
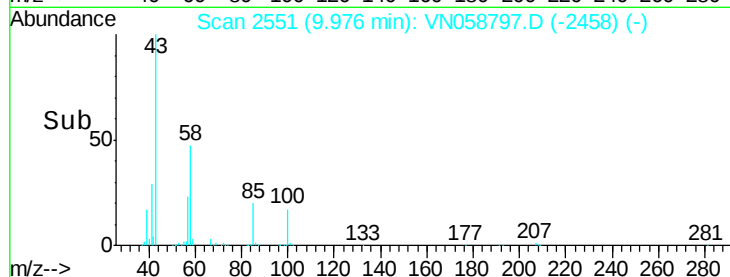


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 20.202 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion: 92 Resp: 222160

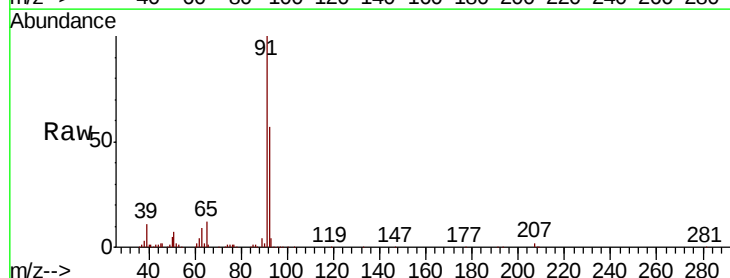
Ion Ratio Lower Upper

92 100

91 175.2

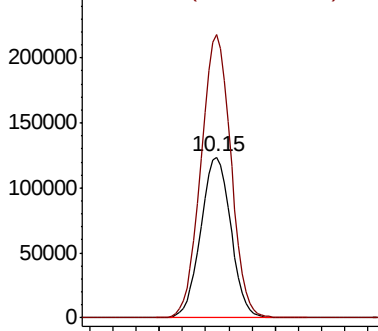
139.1

208.7

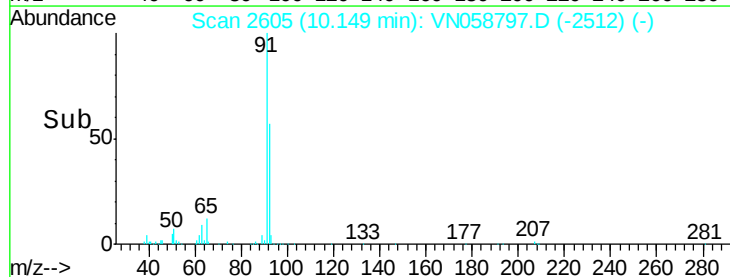


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 19.979 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 75 Resp: 142399

Ion Ratio Lower Upper

75 100

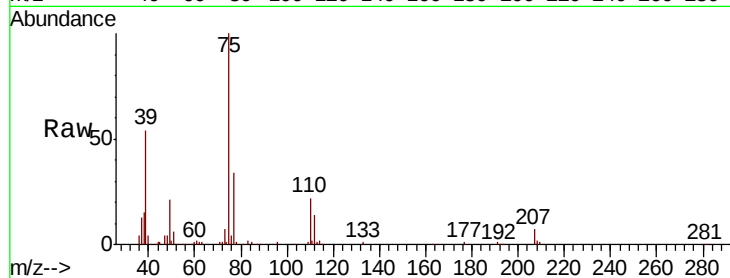
77 32.5 26.2 39.4

Manual Integrations

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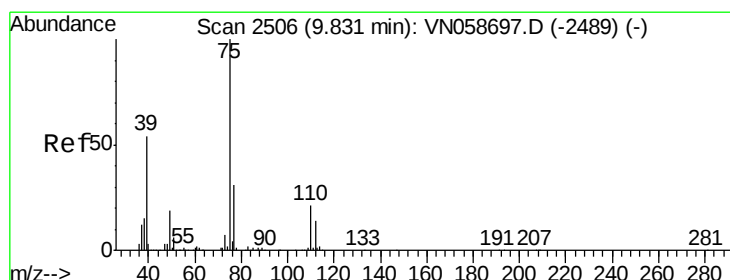
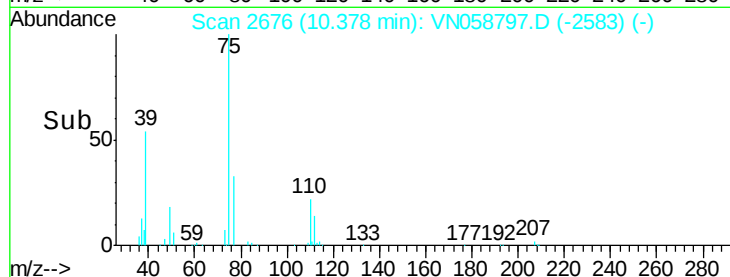
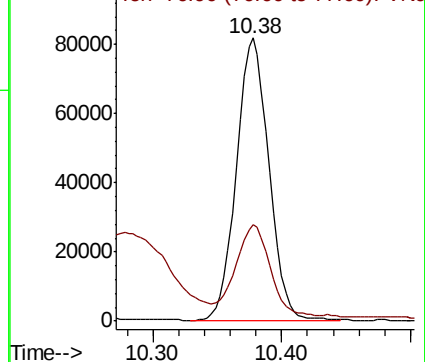
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.464 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

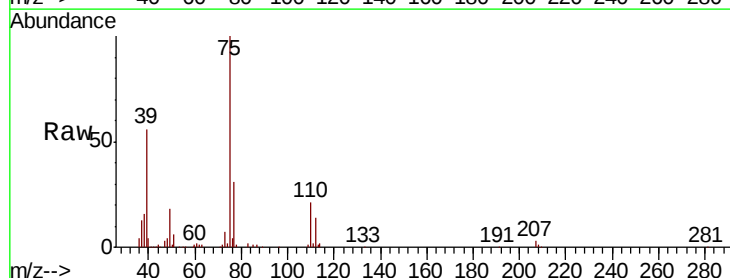
Tgt Ion: 75 Resp: 154860

Ion Ratio Lower Upper

75 100

77 30.9 24.4 36.6

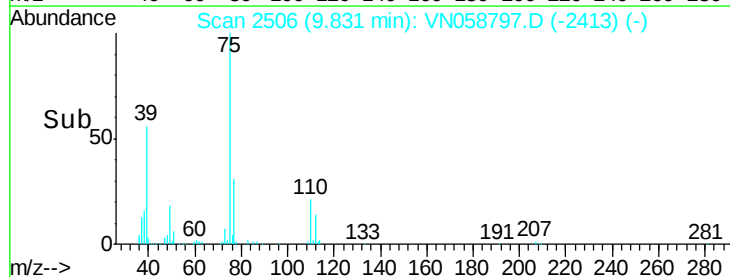
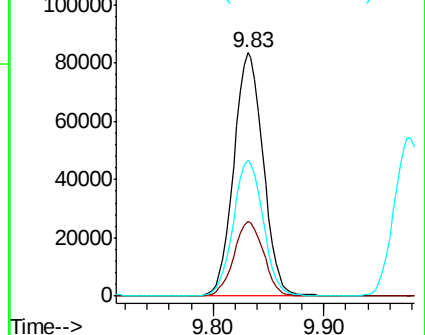
39 55.5 43.1 64.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





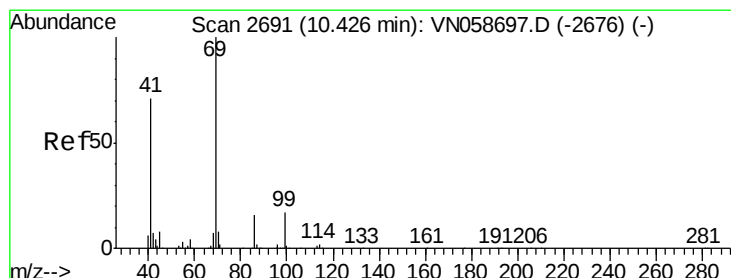
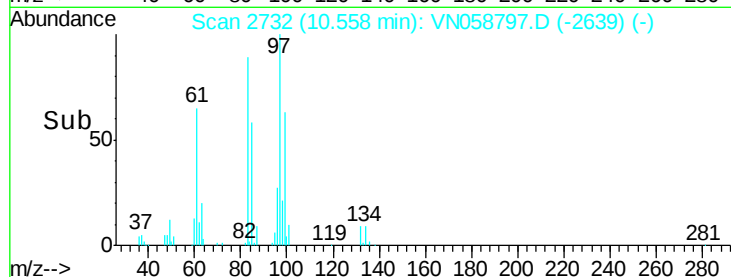
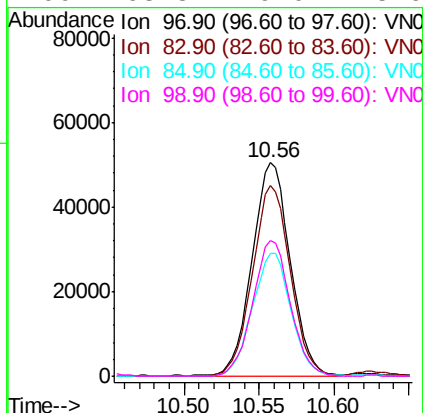
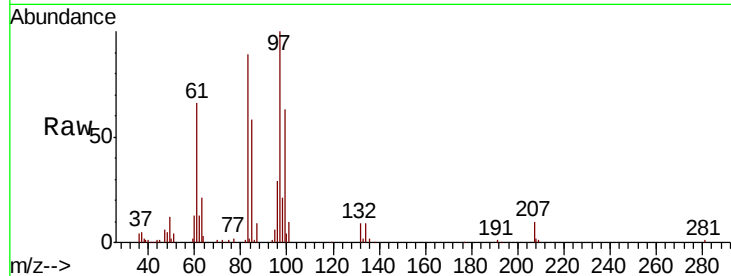
#55
 1,1,2-Trichloroethane
 Concen: 19.917 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion:	97	Resp:	89645
Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.2	106.8
85	57.6	46.7	70.1
99	63.3	49.0	73.6

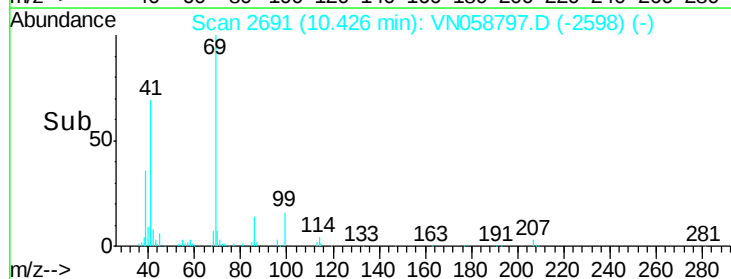
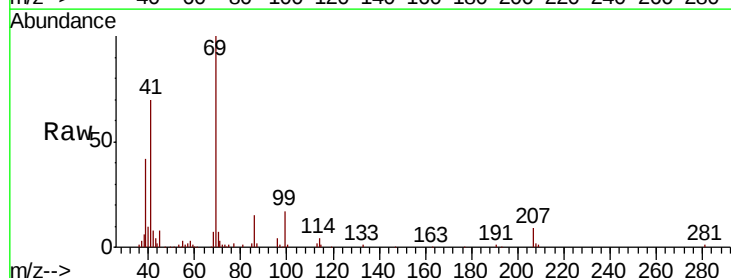
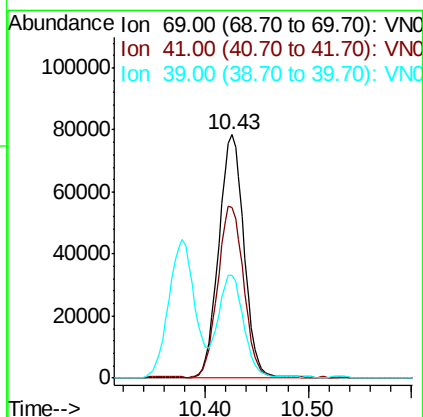
Manual Integrations
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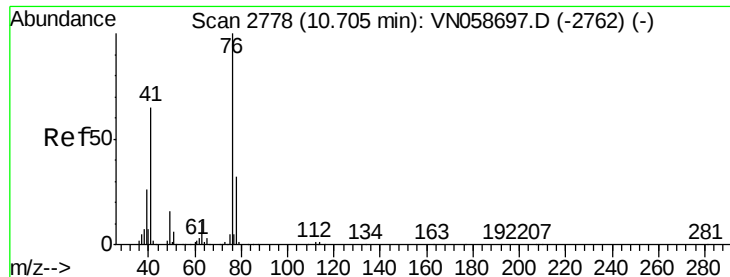
MMDadoda
 10/18/2019 12:51:26 AM



#56
 Ethyl methacrylate
 Concen: 20.345 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion:	69	Resp:	133783
Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.8	85.2
39	41.8	32.5	48.7





#57

1,3-Dichloropropane

Concen: 20.469 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 76 Resp: 156994

Ion Ratio Lower Upper

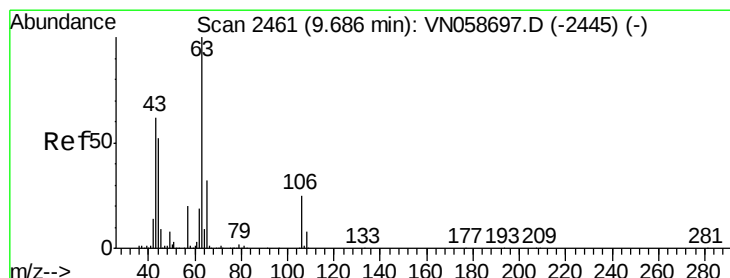
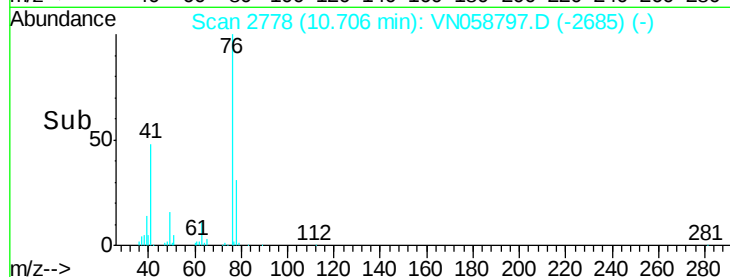
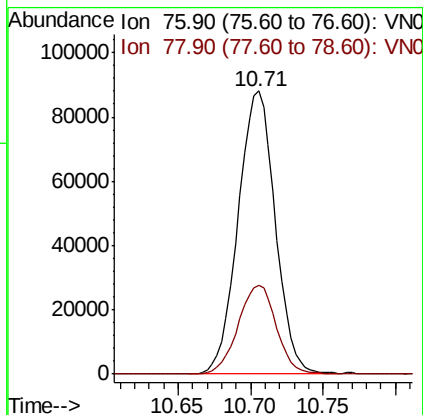
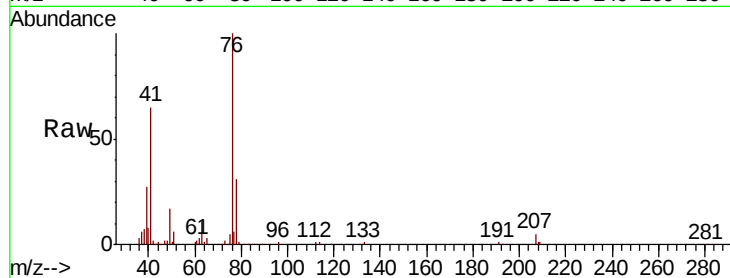
76 100

78 32.2 25.9 38.9

Manual Integrations
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10/18/2019 12:51:26 AM



#58

2-Chloroethyl Vinyl ether

Concen: 101.158 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058797.D

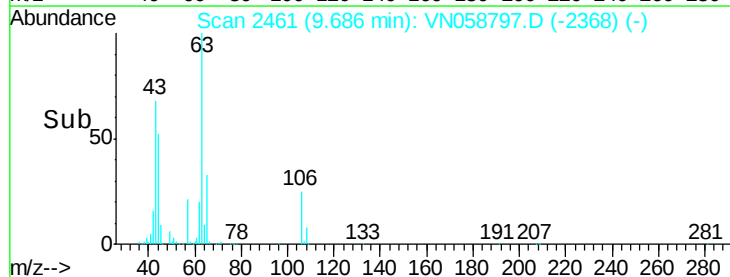
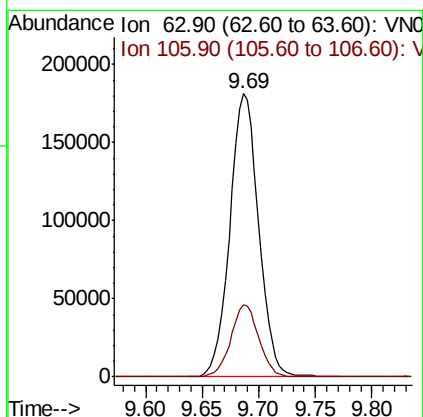
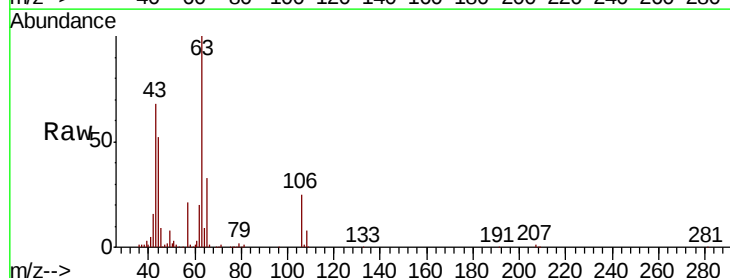
Acq: 16 Oct 2019 13:36

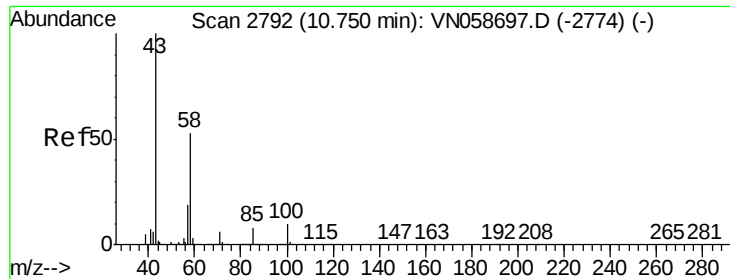
Tgt Ion: 63 Resp: 320563

Ion Ratio Lower Upper

63 100

106 24.9 20.0 30.0





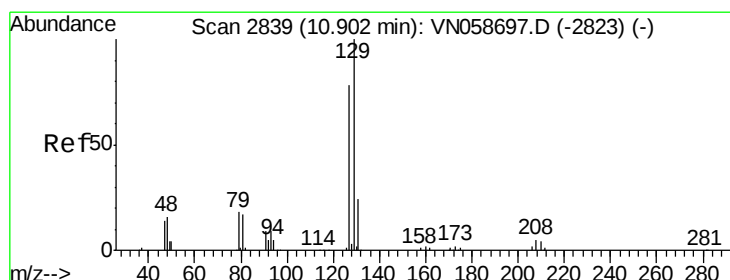
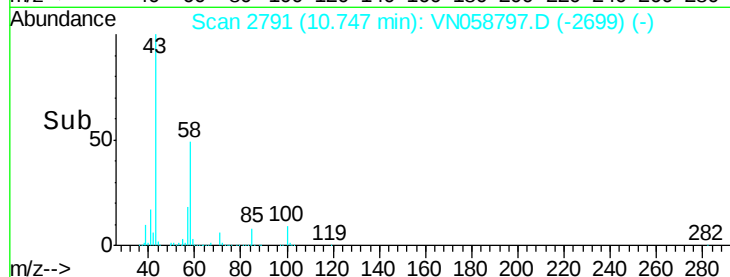
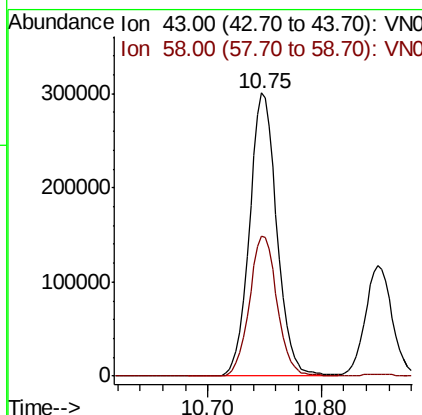
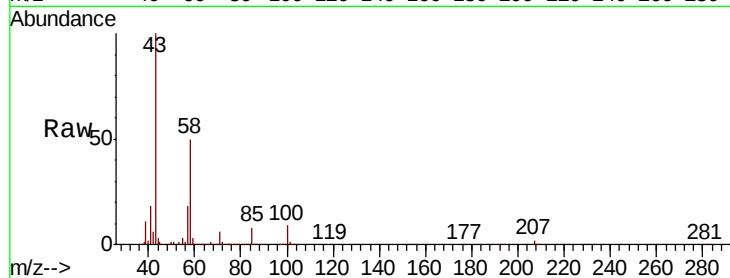
#59
2-Hexanone
Concen: 107.962 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.2	26.1	78.3

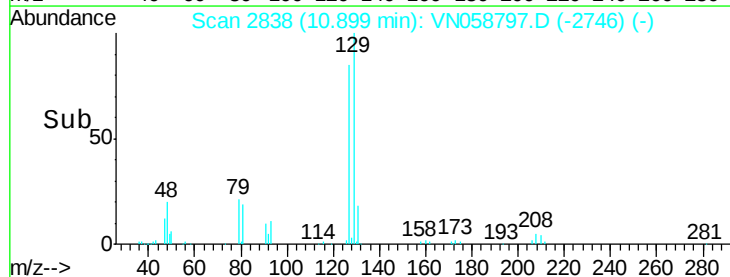
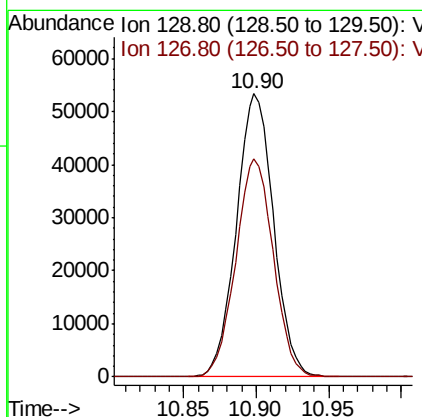
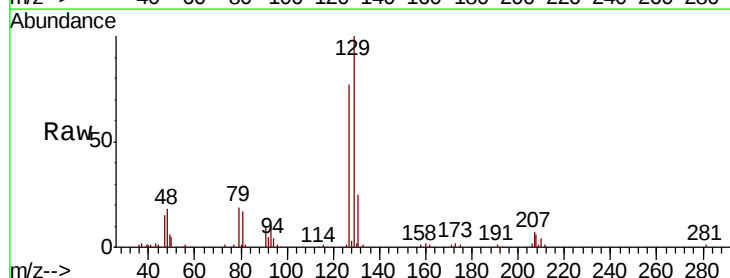
Manual Integrations
APPROVED

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#60
Dibromochloromethane
Concen: 20.447 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.3





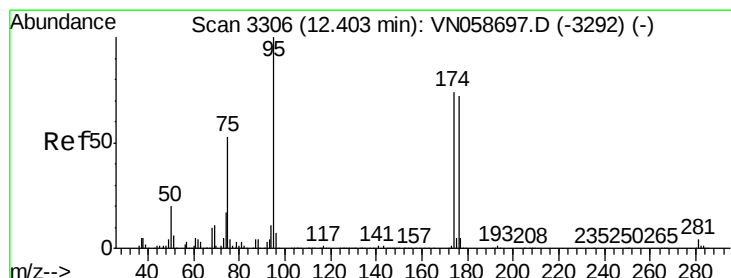
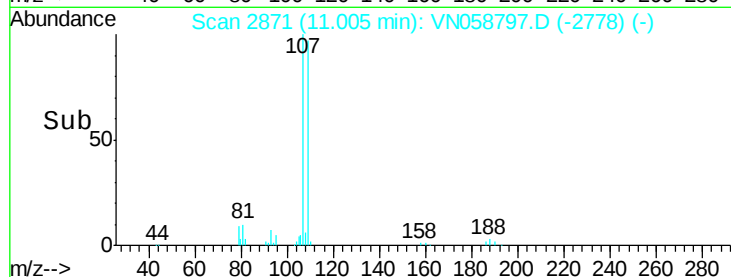
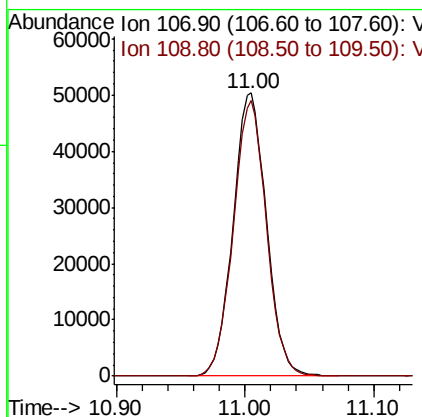
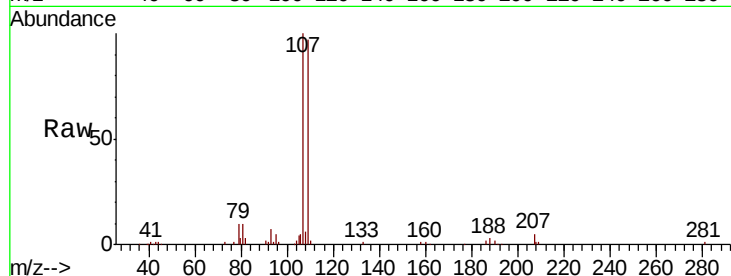
#61
1,2-Dibromoethane
Concen: 20.053 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion: 107 Resp: 90423
Ion Ratio Lower Upper
107 100
109 96.3 75.4 113.0

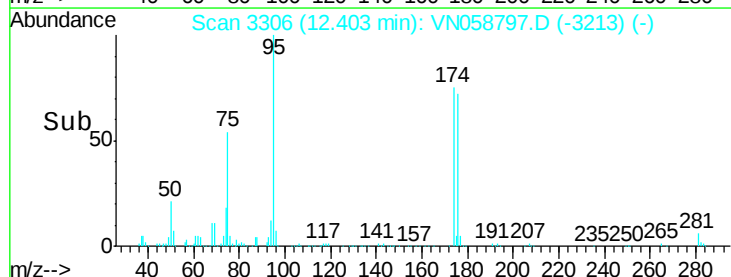
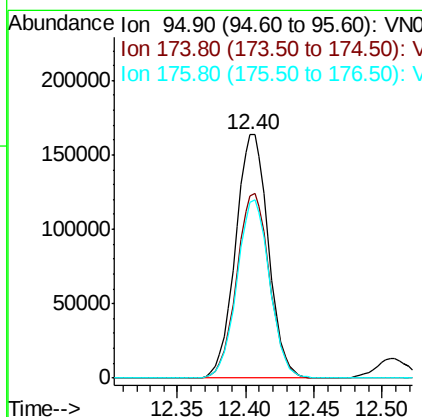
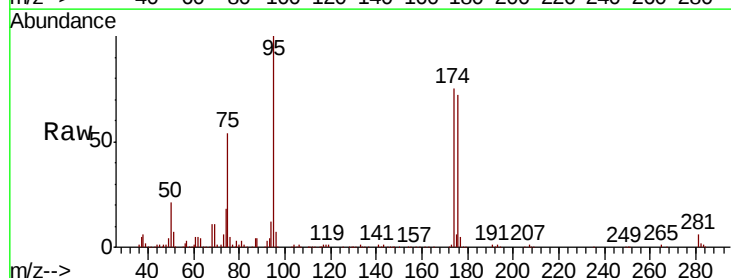
Manual Integrations
APPROVED

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#62
4-Bromofluorobenzene
Concen: 47.287 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion: 95 Resp: 273756
Ion Ratio Lower Upper
95 100
174 75.8 0.0 150.4
176 72.6 0.0 146.8





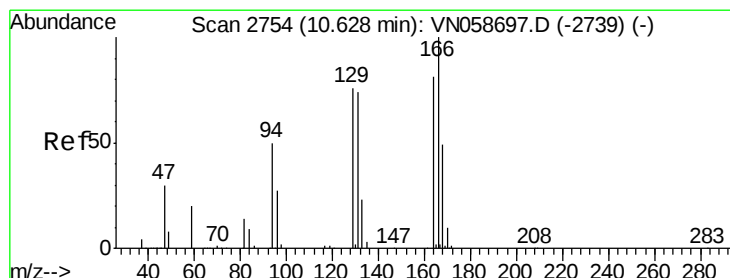
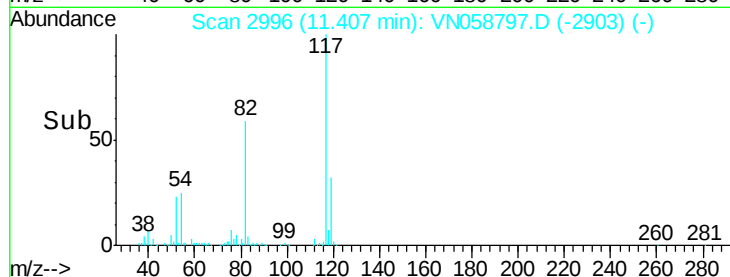
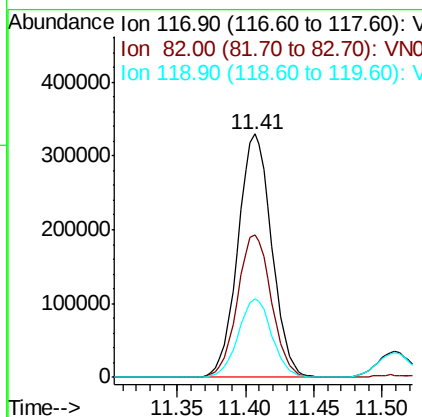
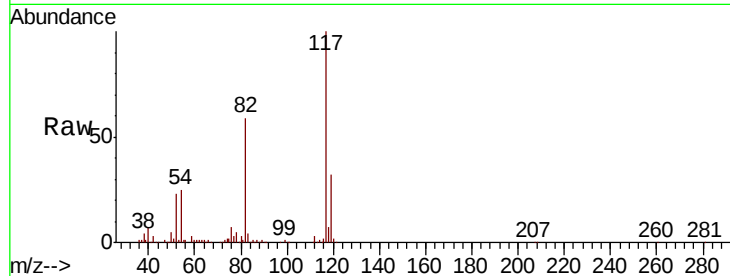
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.0	70.4
119	32.3	25.4	38.2

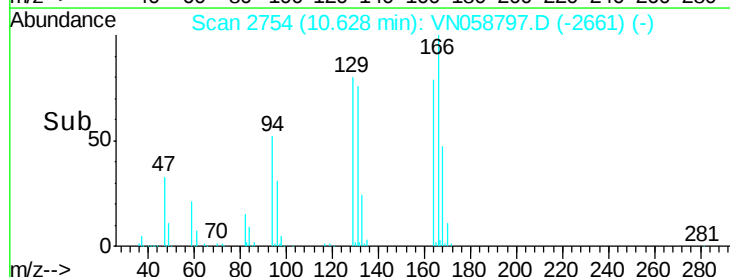
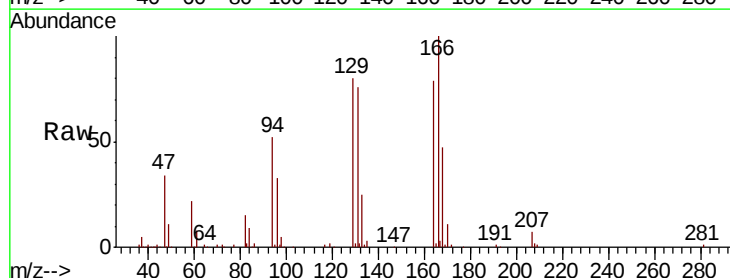
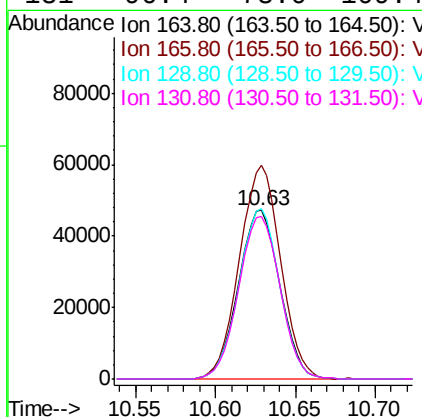
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 21.072 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	99.3	148.9
129	101.2	75.2	112.8
131	96.4	73.0	109.4





#65

Chlorobenzene

Concen: 20.401 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion:112 Resp: 234828

Ion Ratio Lower Upper

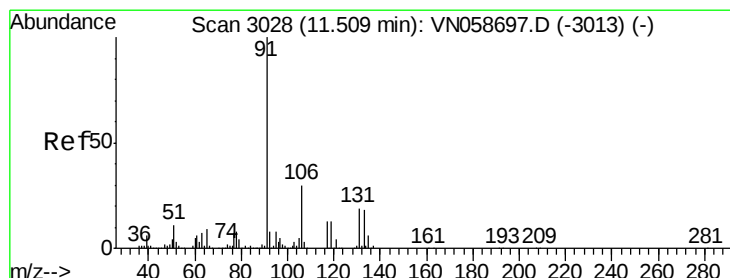
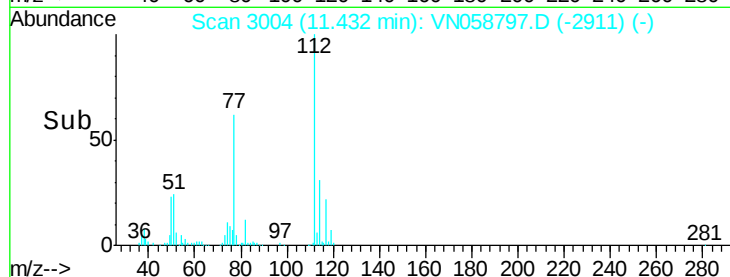
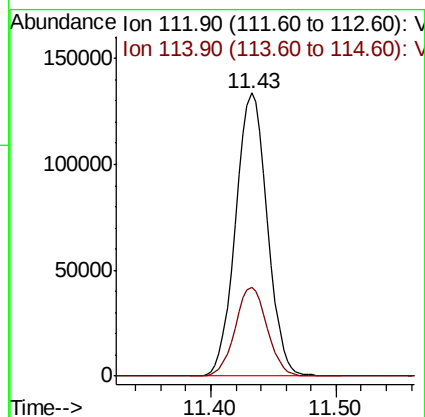
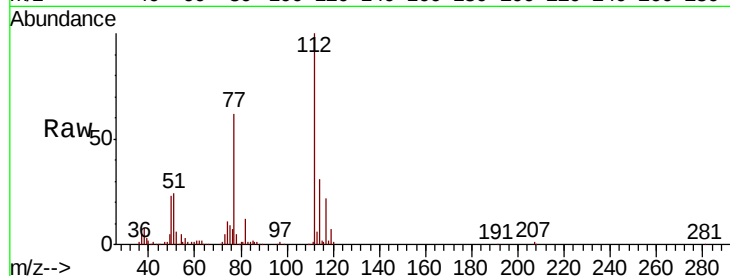
112 100

114 31.5 25.2 37.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.922 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

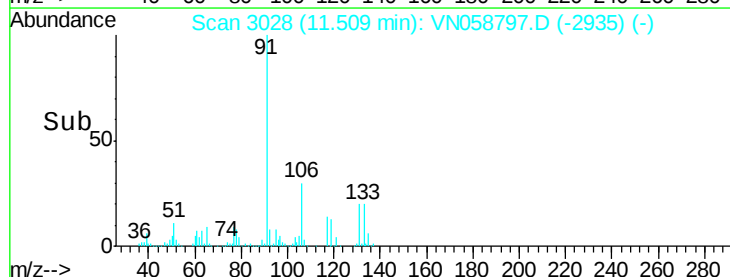
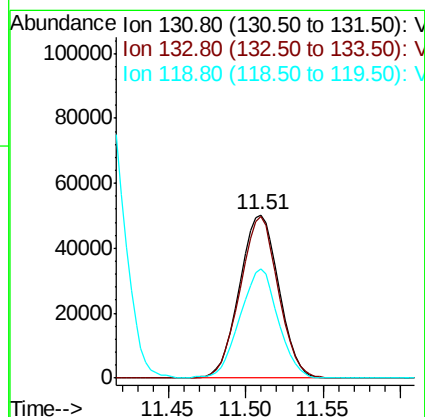
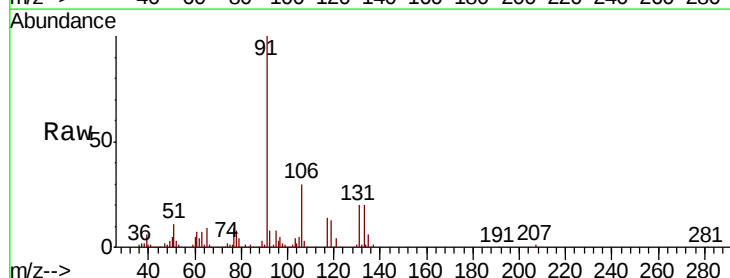
Tgt Ion:131 Resp: 89052

Ion Ratio Lower Upper

131 100

133 96.7 47.6 142.9

119 65.2 33.0 98.9





#67

Ethyl Benzene

Concen: 20.691 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 91 Resp: 424549

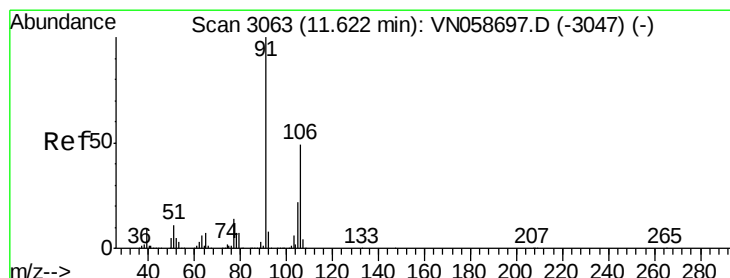
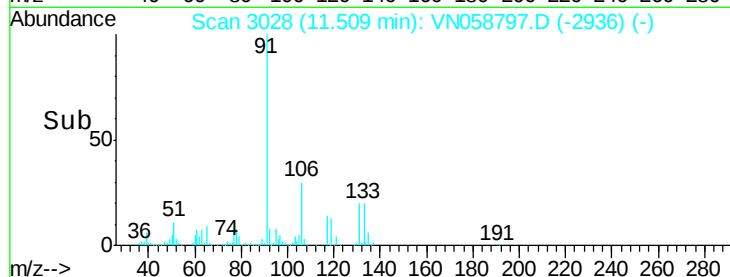
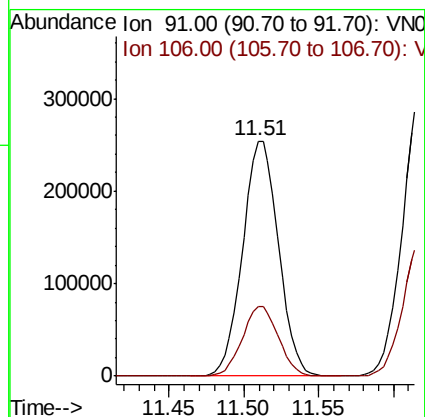
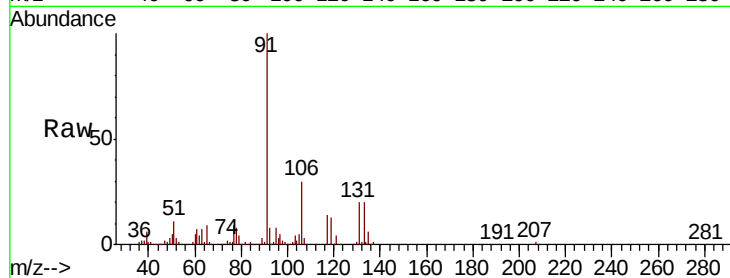
Ion Ratio Lower Upper

91 100

106 29.8 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.611 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058797.D

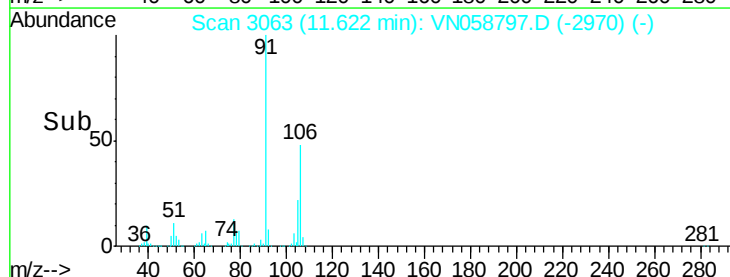
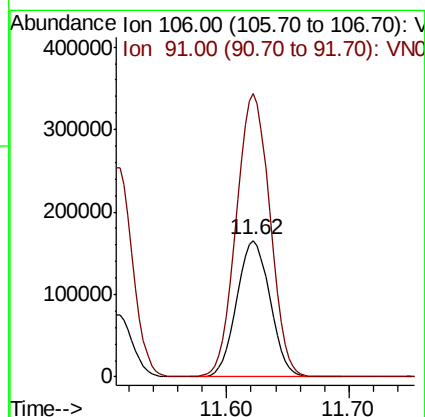
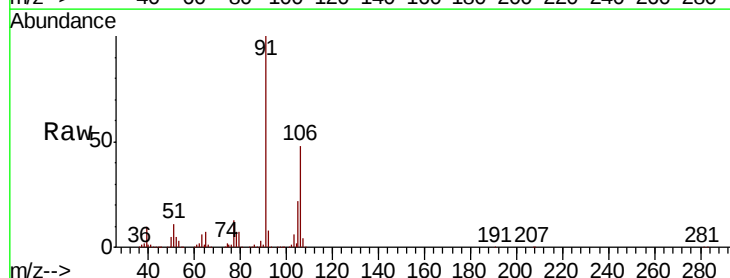
Acq: 16 Oct 2019 13:36

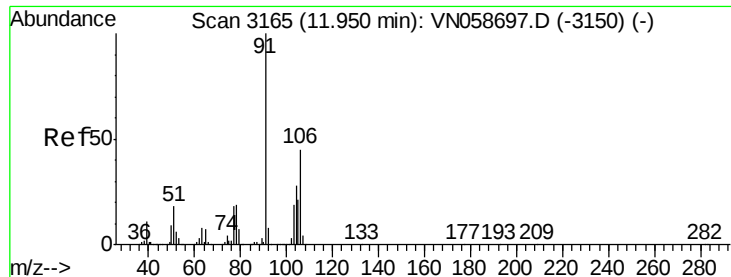
Tgt Ion: 106 Resp: 312703

Ion Ratio Lower Upper

106 100

91 209.1 165.7 248.5





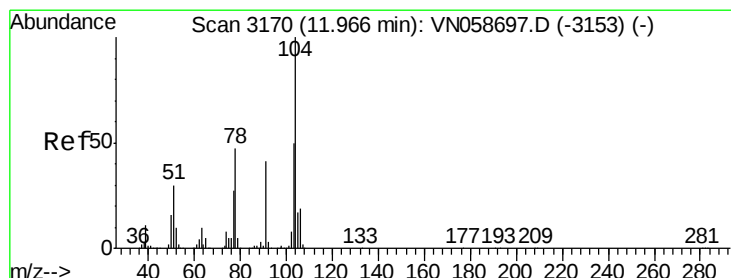
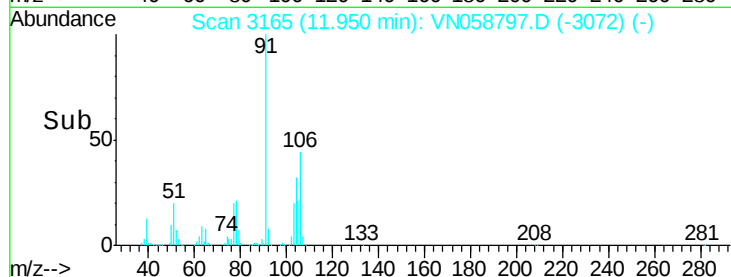
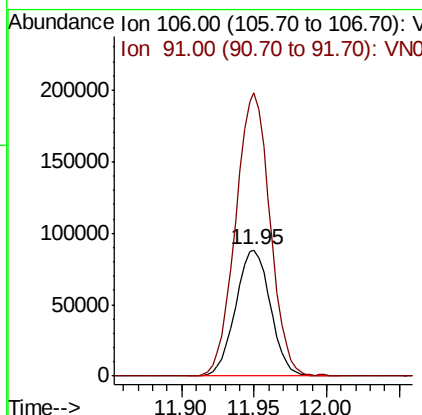
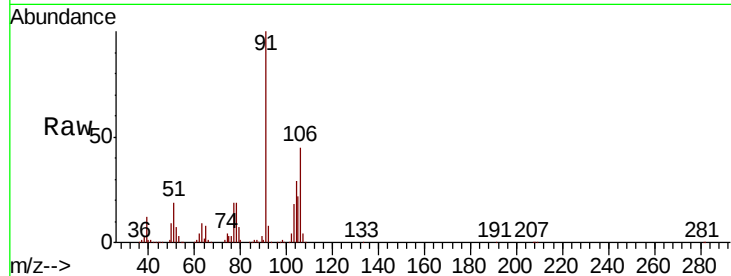
#69
o-Xylene
Concen: 19.783 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.8	110.9	332.9

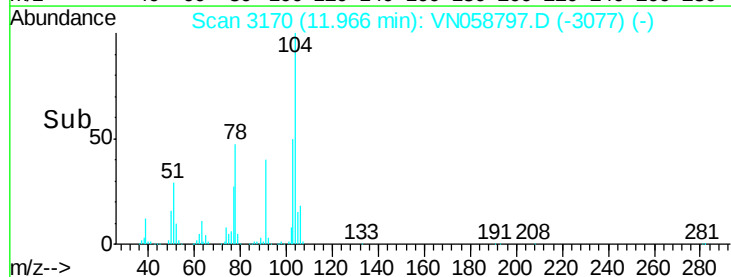
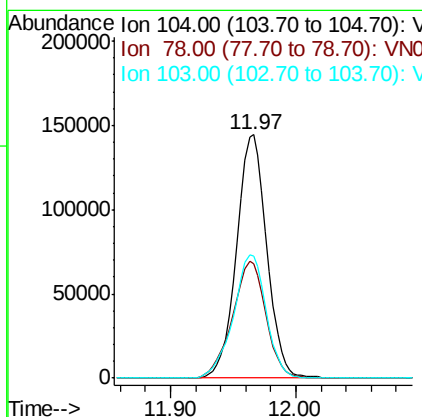
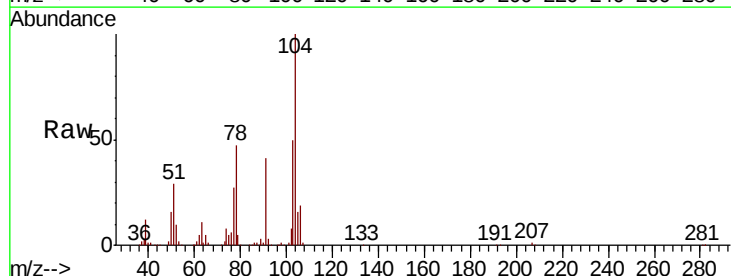
Manual Integrations
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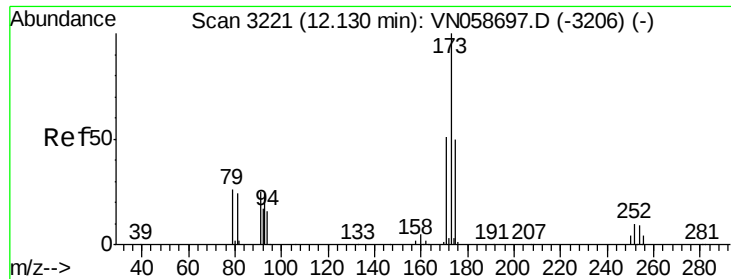
MMDadoda
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#70
Styrene
Concen: 19.802 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.2	63.2
103	55.0	43.7	65.5





#71

Bromoform

Concen: 21.200 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

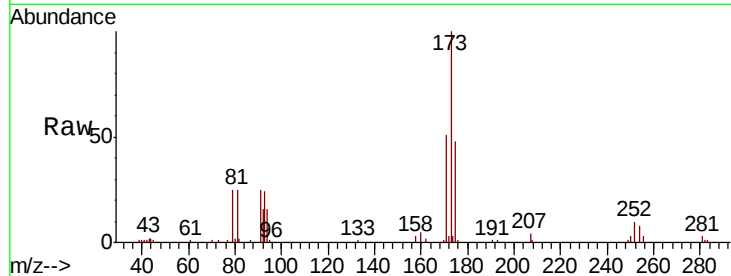
ClientSampleId :

VN1016WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.0	0.1	0.1#

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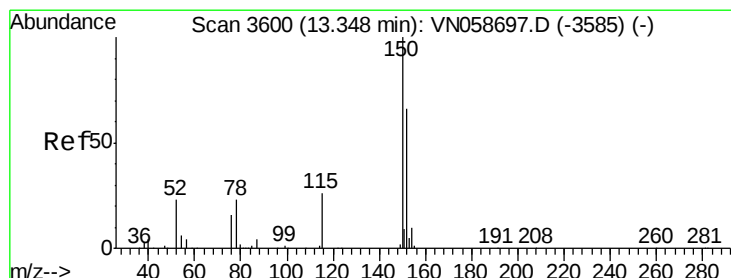
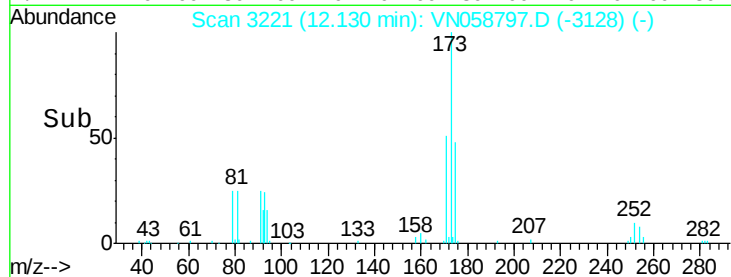
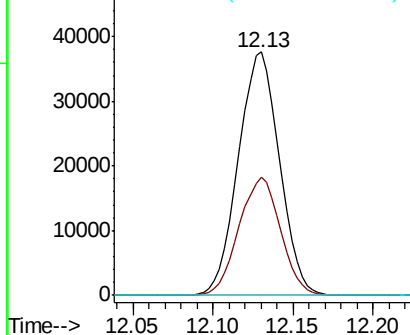


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

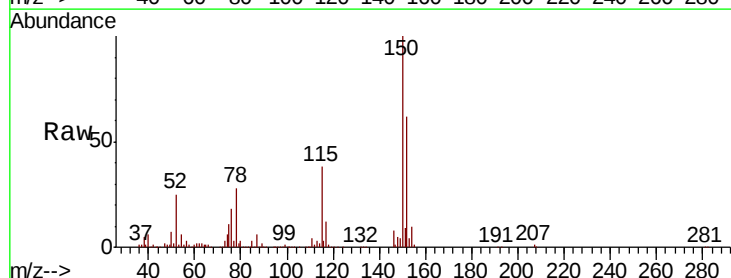
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.4	91.2
150	166.0	0.0	345.4

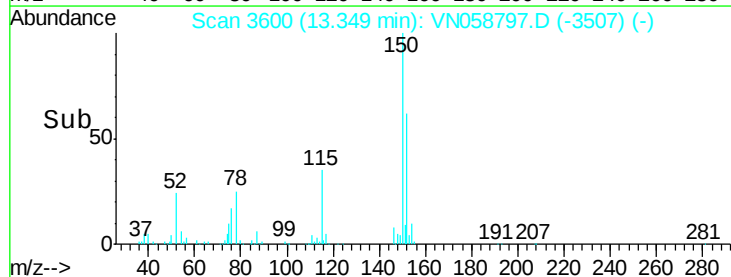
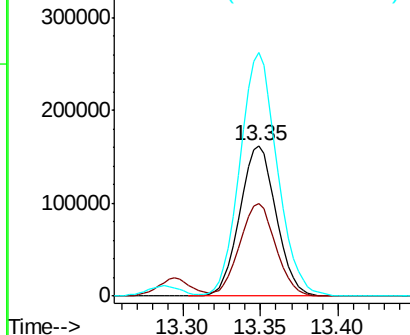


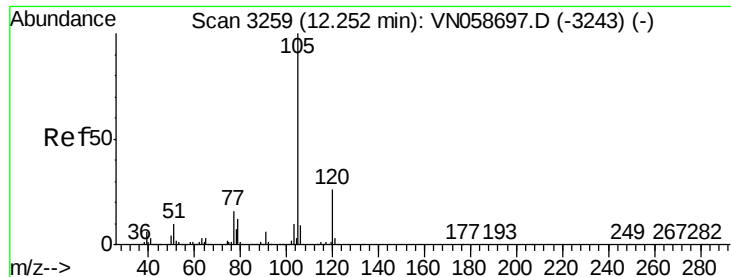
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.156 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion:105 Resp: 405262

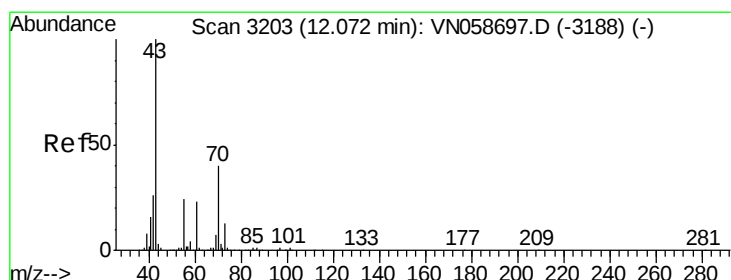
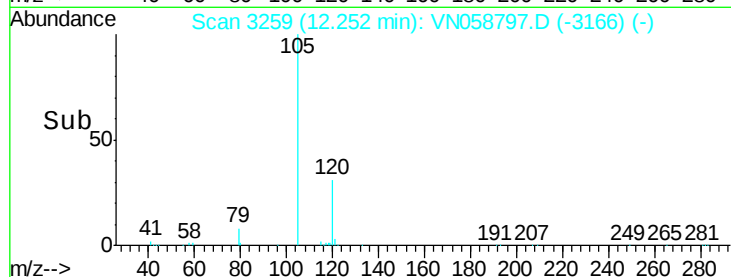
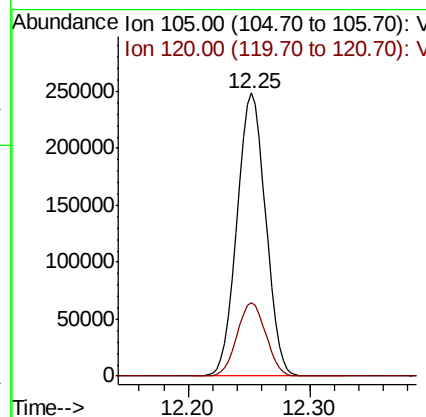
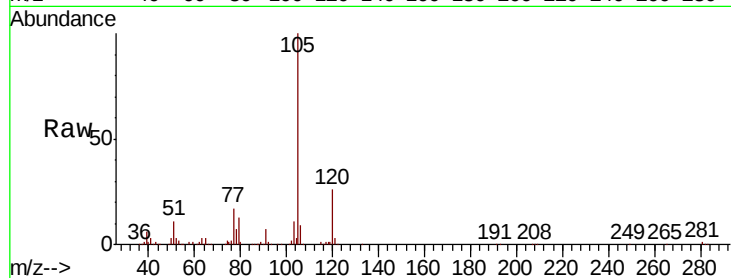
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1

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#74

N-ethyl acetate

Concen: 21.239 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion: 43 Resp: 182729

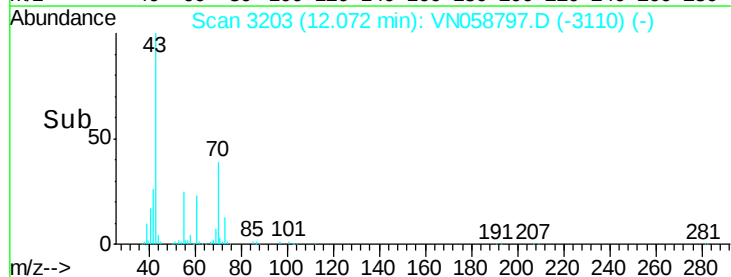
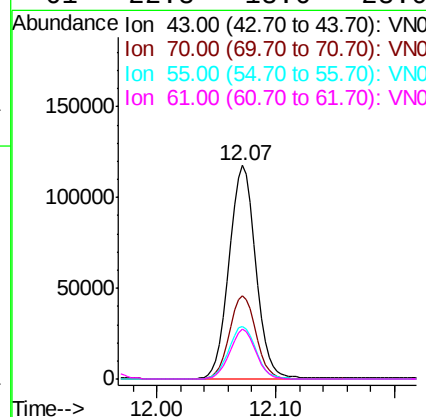
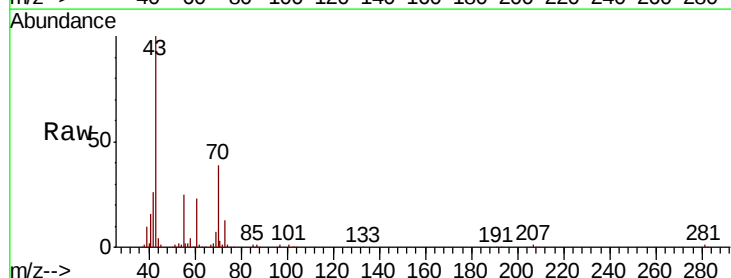
Ion Ratio Lower Upper

43 100

70 39.1 32.2 48.4

55 25.2 19.6 29.4

61 22.8 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.707 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

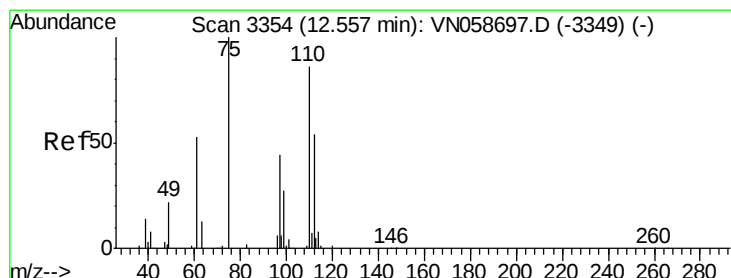
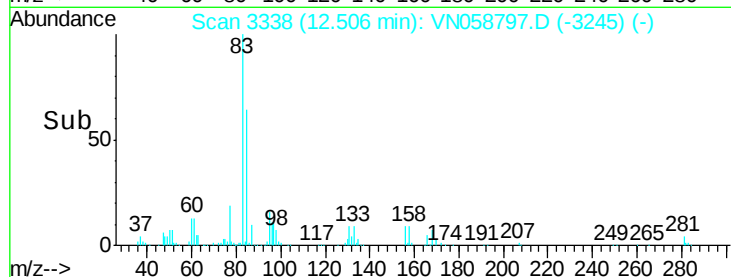
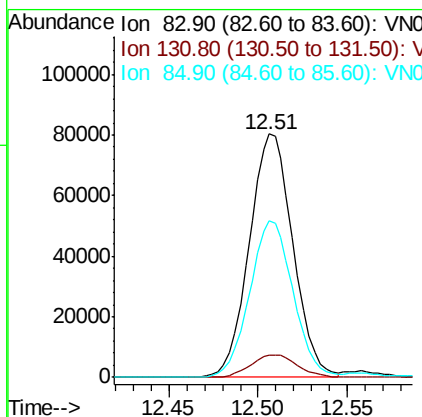
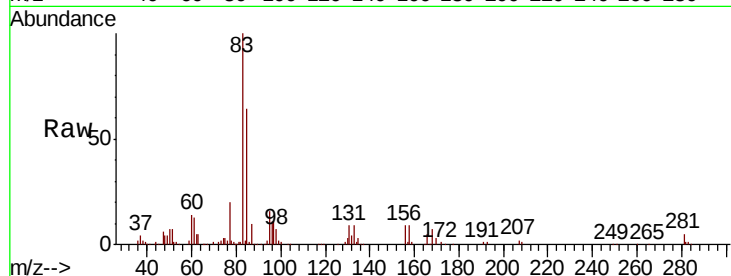
ClientSampleId :

VN1016WBS01

Tot Ion:	83	Resp:	136980
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.8	14.4
85	64.1	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 21.343 ug/l m

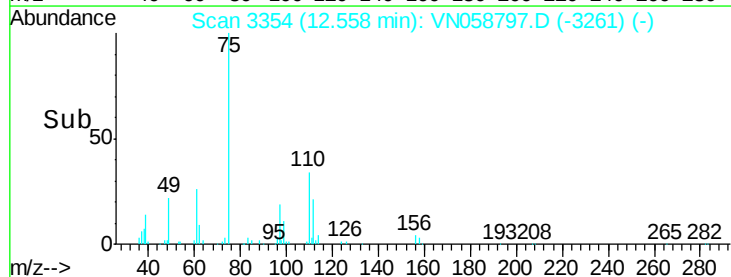
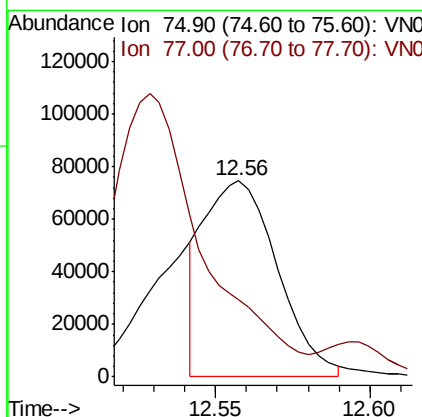
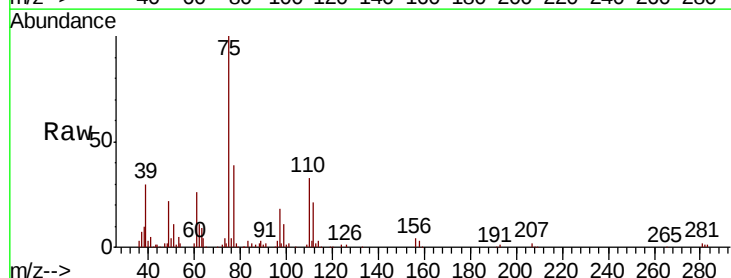
RT: 12.56 min Scan# 3354

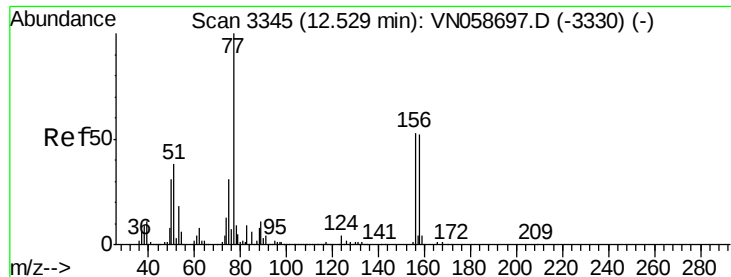
Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion:	75	Resp:	123839
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.858 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

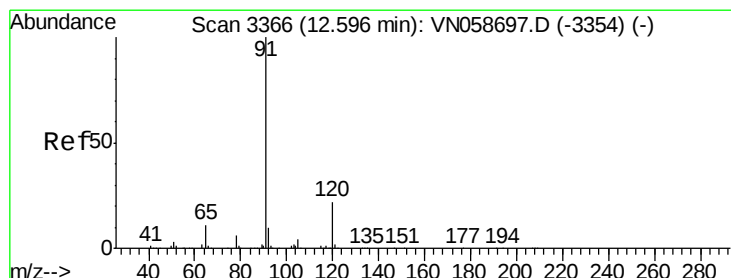
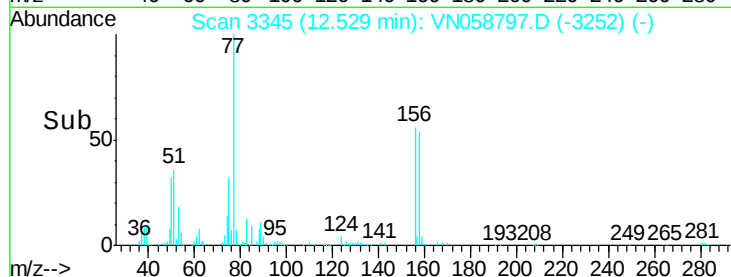
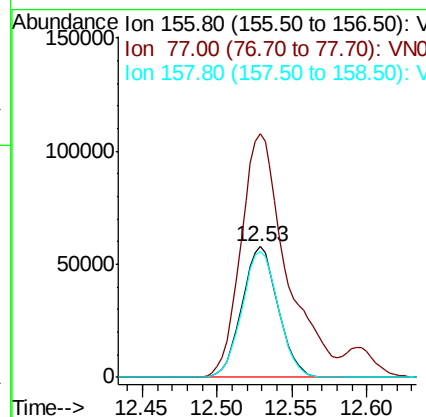
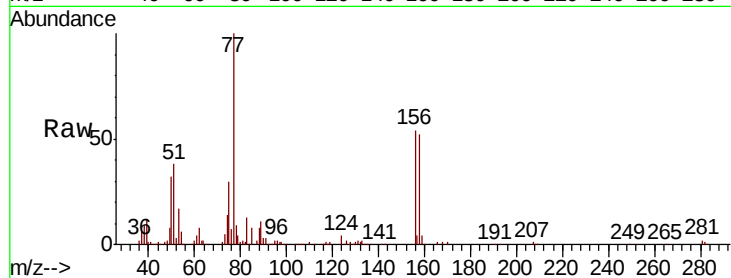
ClientSampleId :

VN1016WBS01

Tot Ion:	156	Resp:	97184
Ion Ratio	Lower	Upper	
156	100		
77	234.6	115.8	347.3
158	97.2	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.449 ug/l

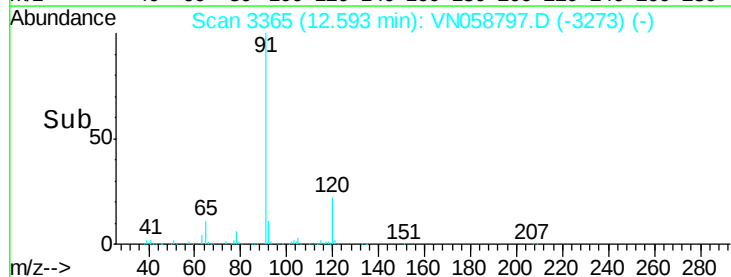
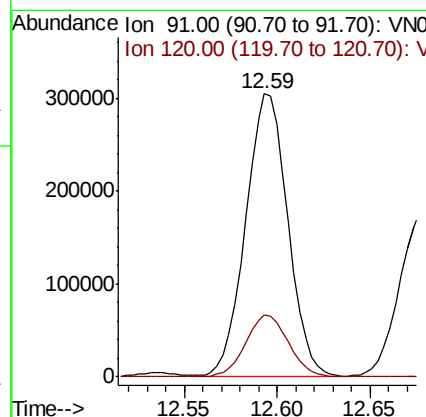
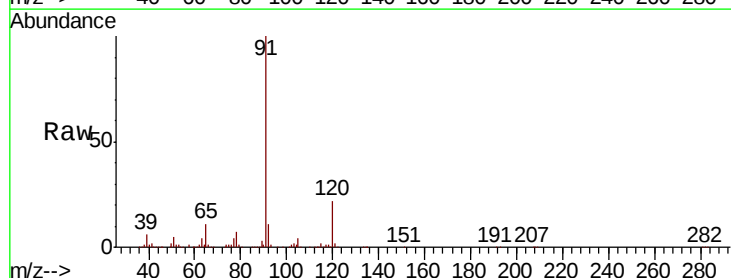
RT: 12.59 min Scan# 3365

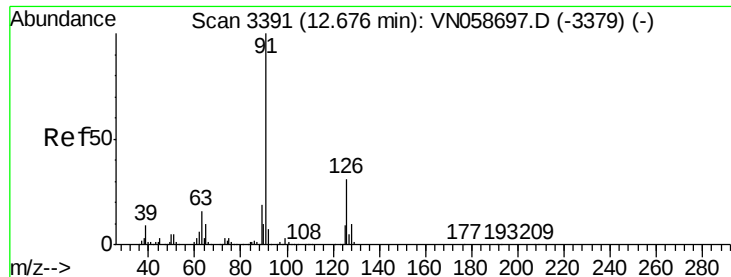
Delta R.T. -0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion:	91	Resp:	478777
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.1	33.3





#79

2-Chlorotoluene

Concen: 20.557 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBS01

Tot Ion: 91 Resp: 284801

Ion Ratio Lower Upper

91 100

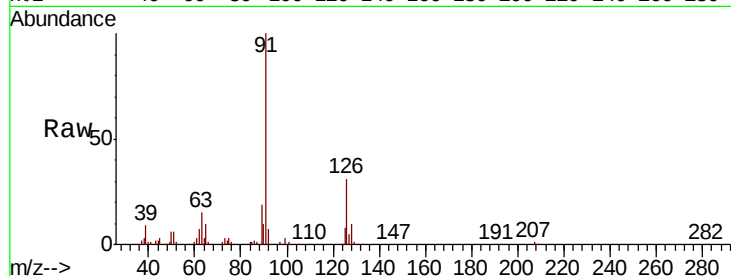
126 32.2 16.2 48.5

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Abundance Ion 91.00 (90.70 to 91.70): VN058797.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN058797.D (-3298) (-)

300000

200000

100000

0

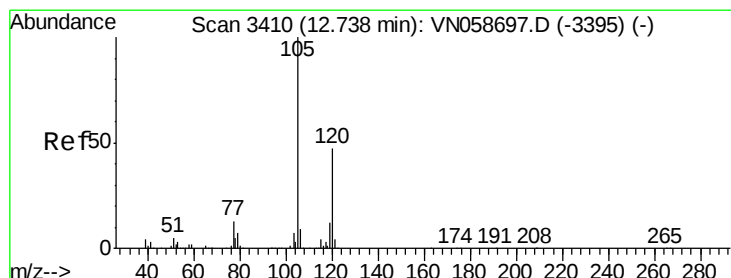
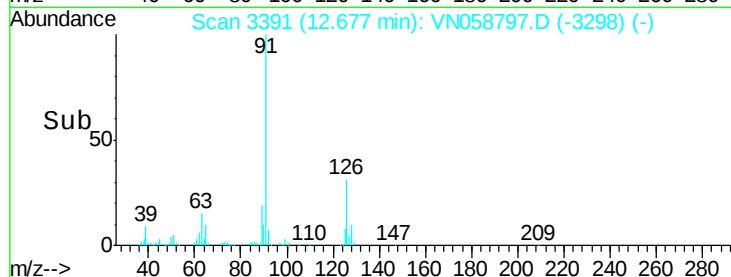
12.68

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.143 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058797.D

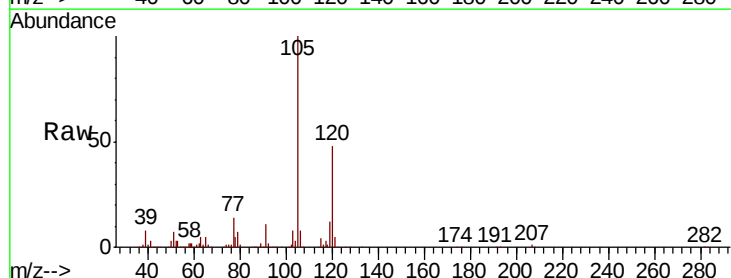
Acq: 16 Oct 2019 13:36

Tgt Ion: 105 Resp: 345762

Ion Ratio Lower Upper

105 100

120 47.7 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058797.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058797.D (-3317) (-)

250000

200000

150000

100000

50000

0

12.74

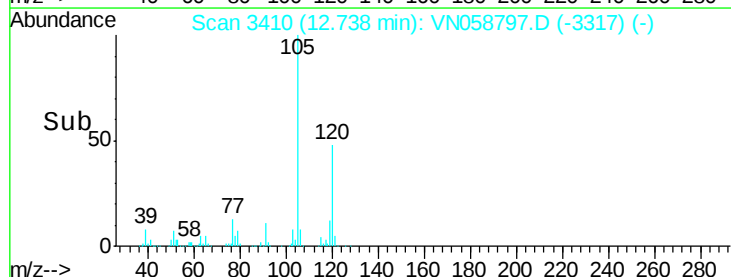
12.65

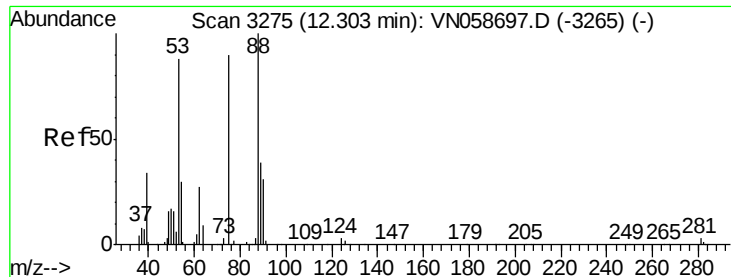
12.70

12.75

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.635 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

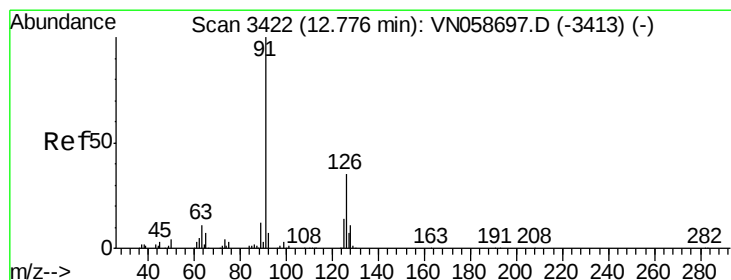
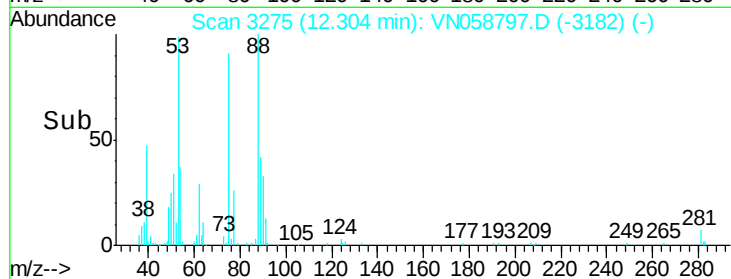
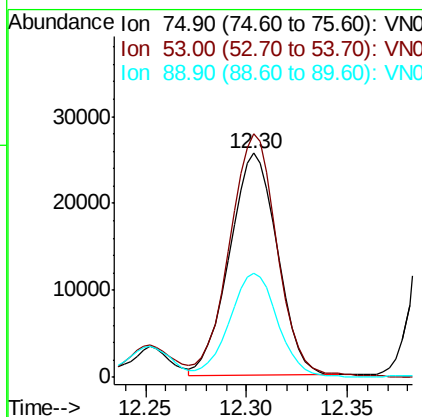
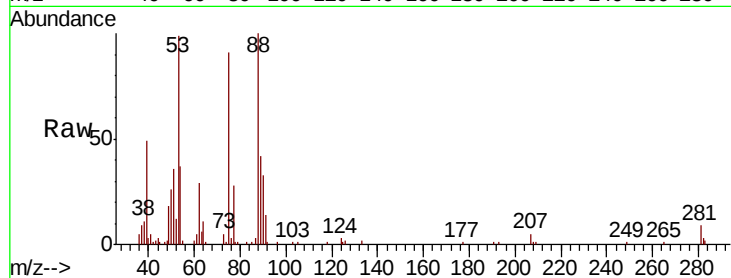
ClientSampleId :

VN1016WBS01

Tot Ion:	75	Resp:	42532
Ion	Ratio	Lower	Upper
75	100		
53	107.6	78.4	117.6
89	47.2	34.9	52.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.661 ug/l

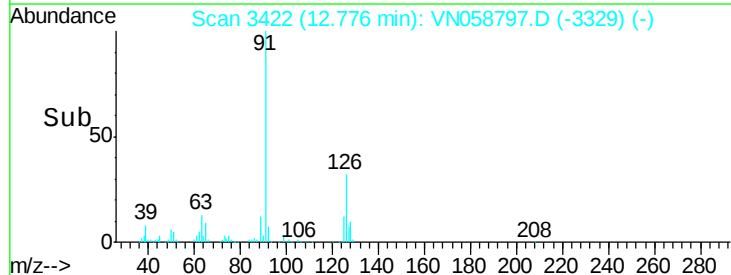
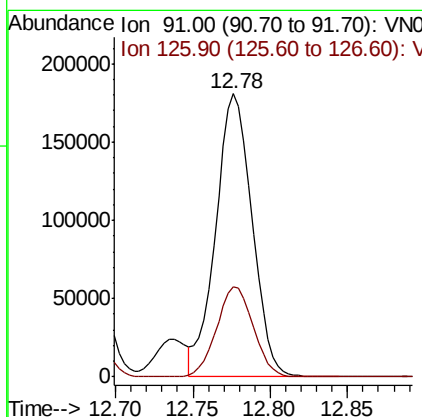
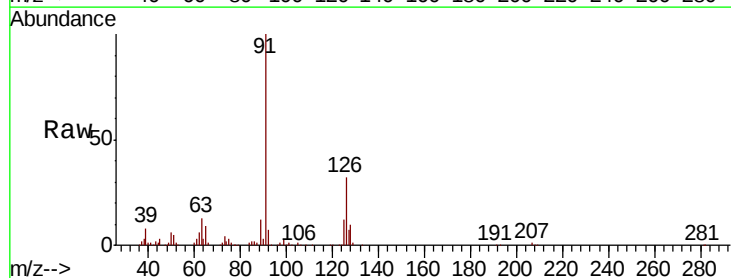
RT: 12.78 min Scan# 3422

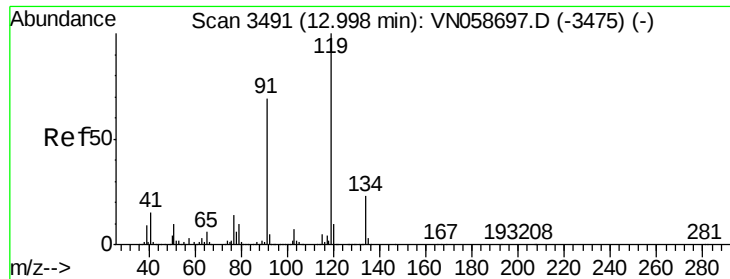
Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion:	91	Resp:	293722
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.9	47.6





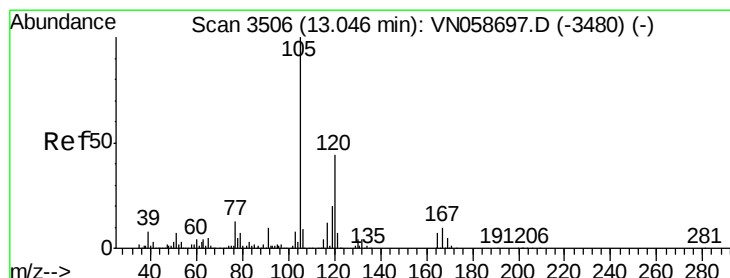
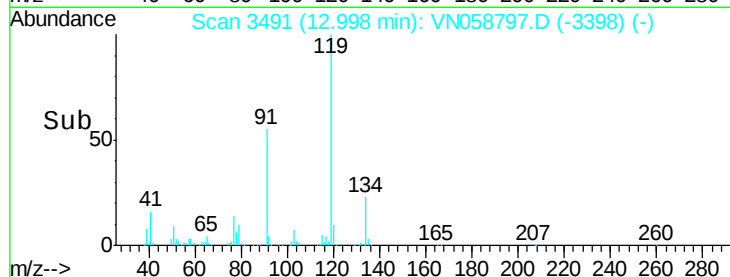
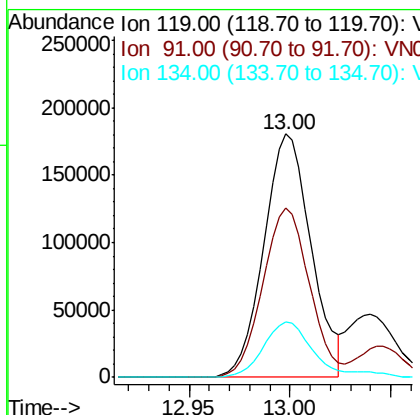
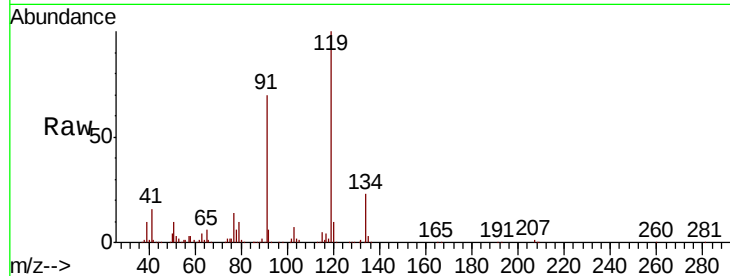
#83
tert-Butylbenzene
Concen: 21.005 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	33.8	101.3
134	23.1	12.6	37.6

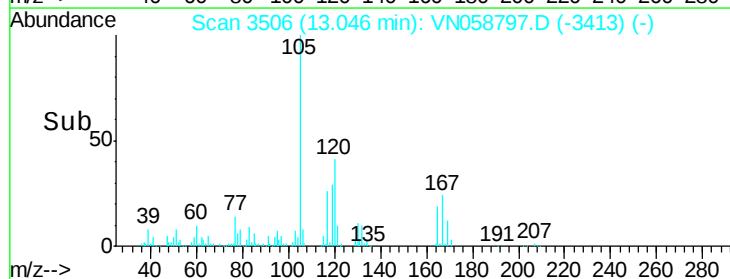
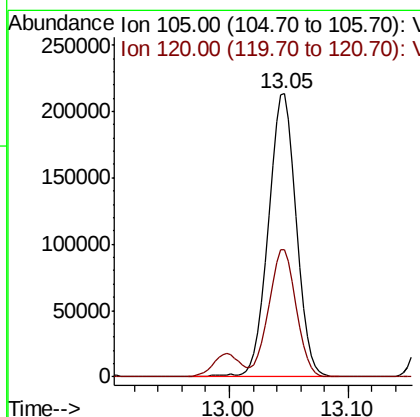
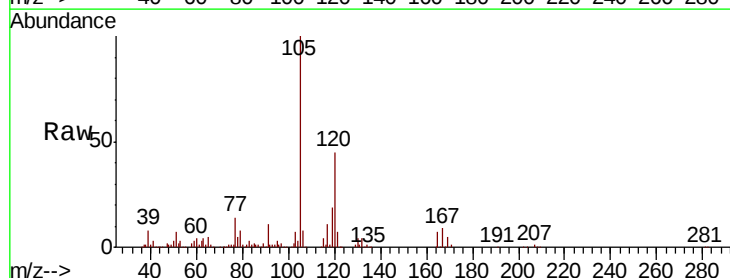
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#84
1,2,4-Trimethylbenzene
Concen: 21.314 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7





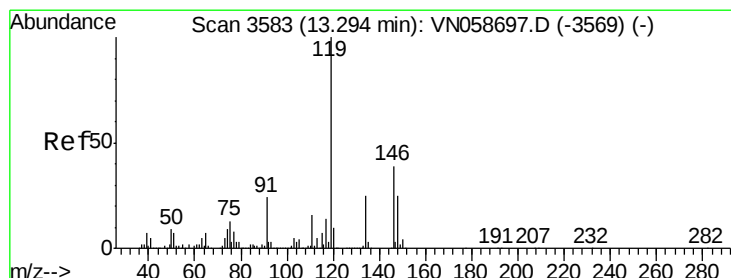
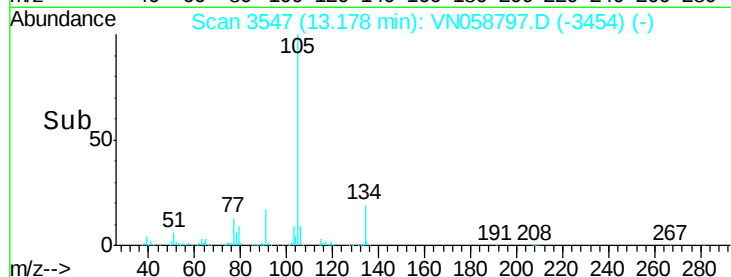
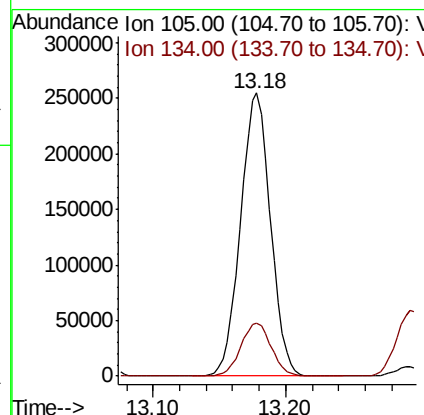
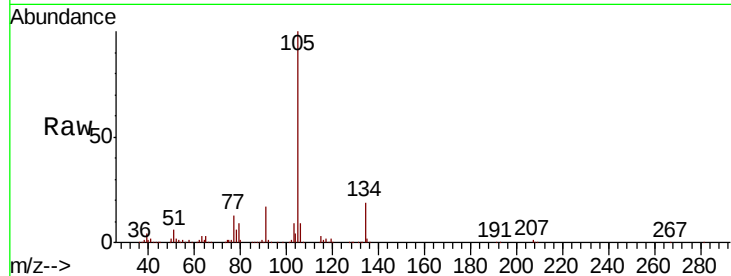
#85
 sec-Butylbenzene
 Concen: 21.595 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	398659		
134	18.9	9.7	29.1	

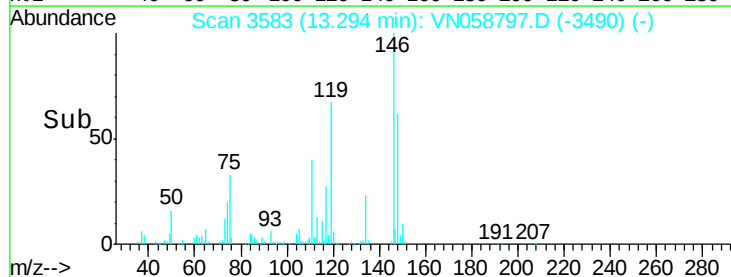
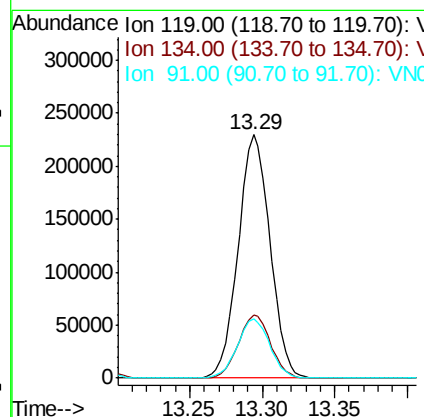
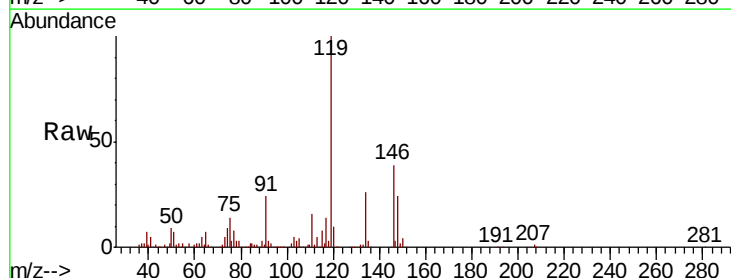
Manual Integrations
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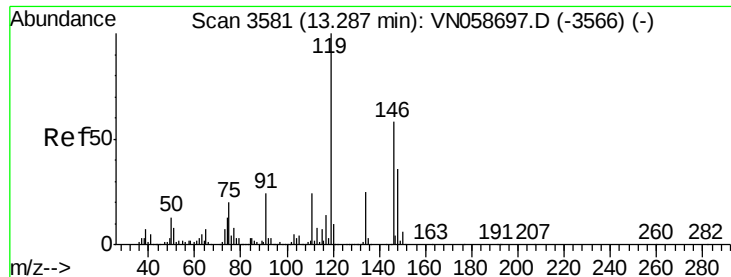
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#86
 p-Isopropyltoluene
 Concen: 20.788 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	348774		
134	26.3	12.7	38.1	
91	24.9	11.9	35.5	





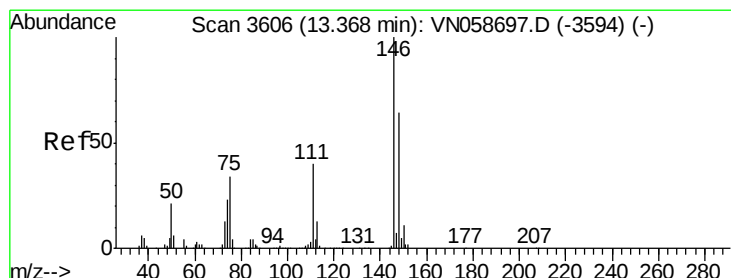
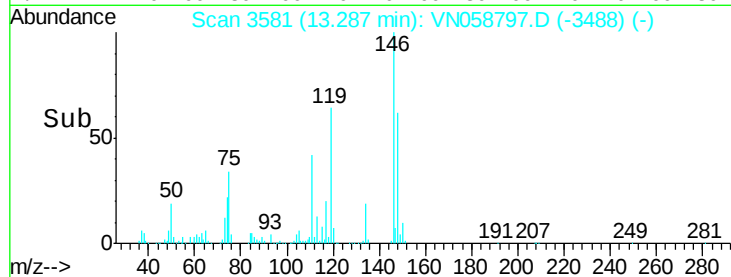
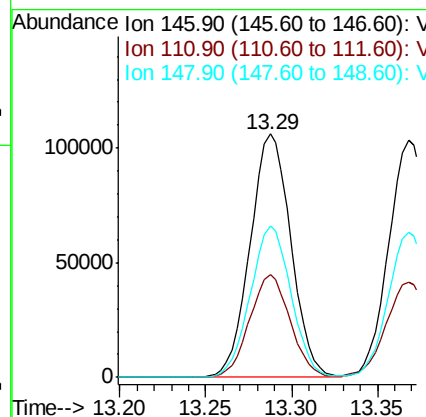
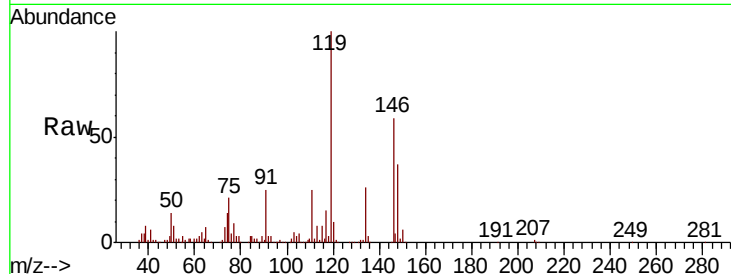
#87
 1,3-Dichlorobenzene
 Concen: 20.361 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.6
148	62.3	31.3	93.9

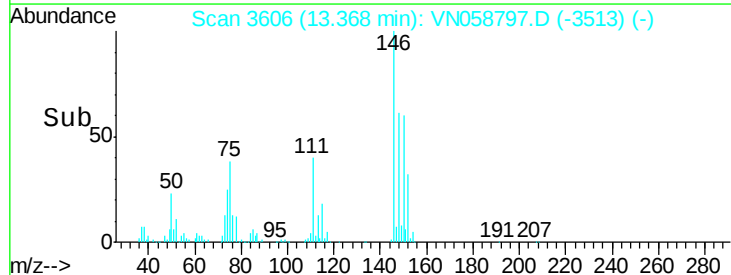
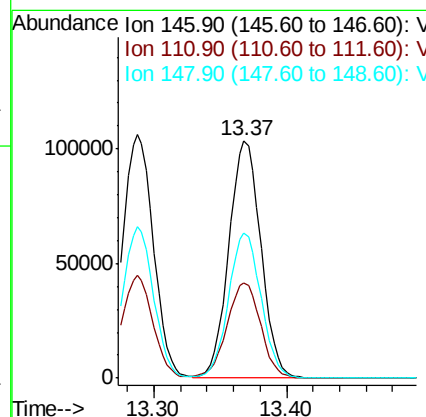
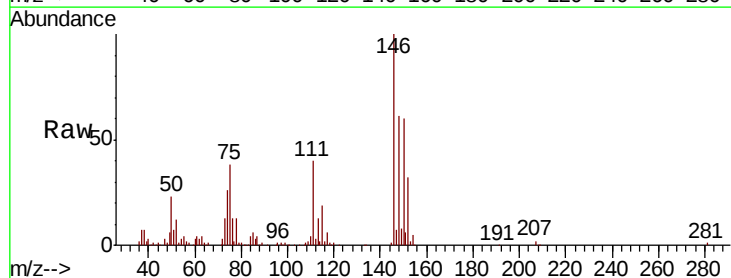
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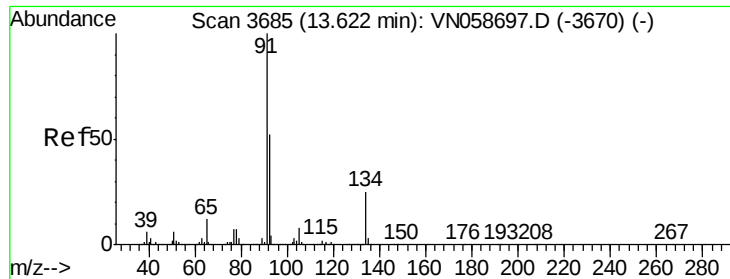
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#88
 1,4-Dichlorobenzene
 Concen: 19.945 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.1	60.2
148	62.0	31.9	95.7





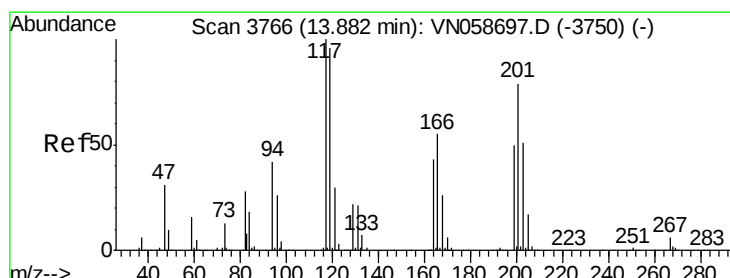
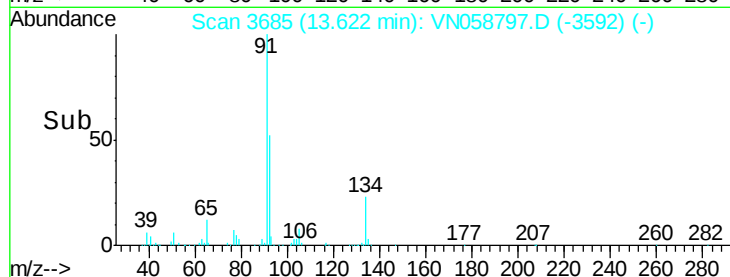
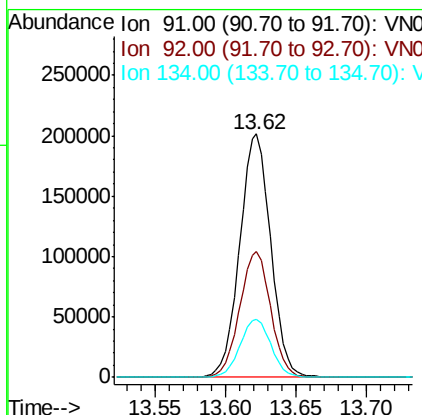
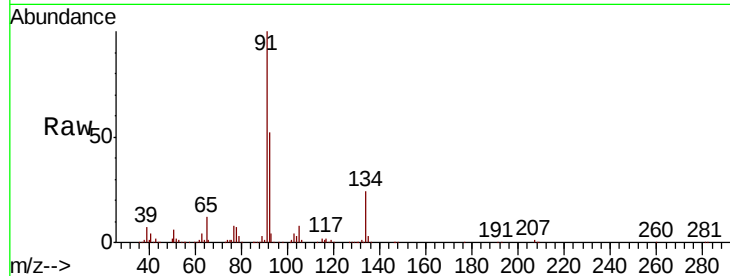
#89
n-Butylbenzene
Concen: 20.037 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	23.9	12.2	36.6

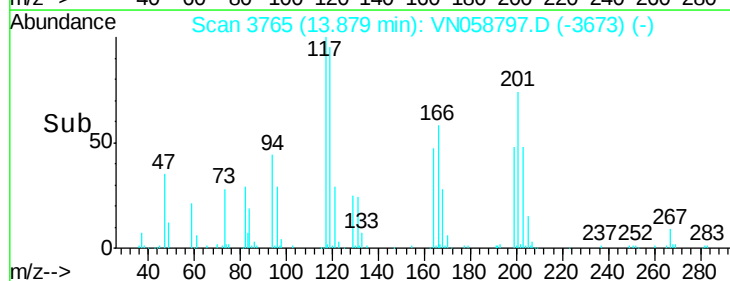
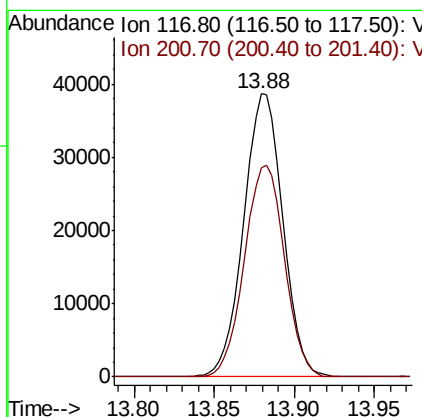
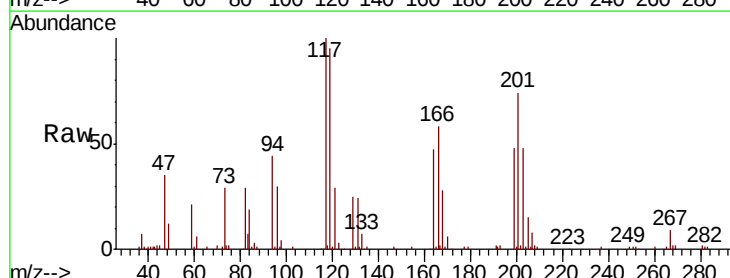
Manual Integrations
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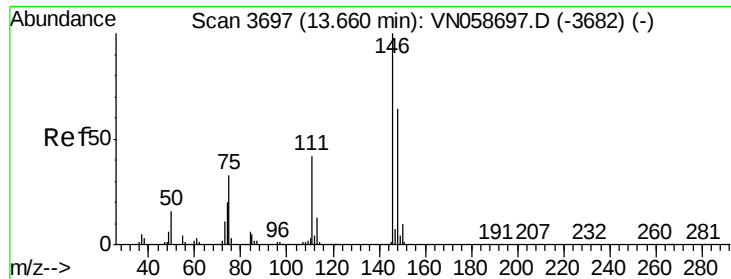
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#90
Hexachloroethane
Concen: 21.522 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058797.D
Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.4	39.6	118.7





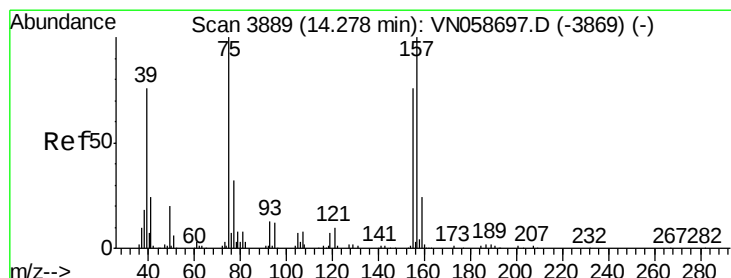
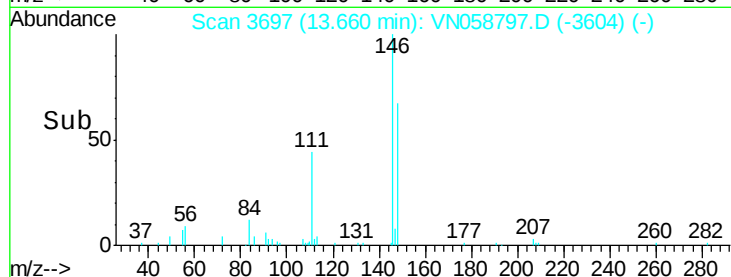
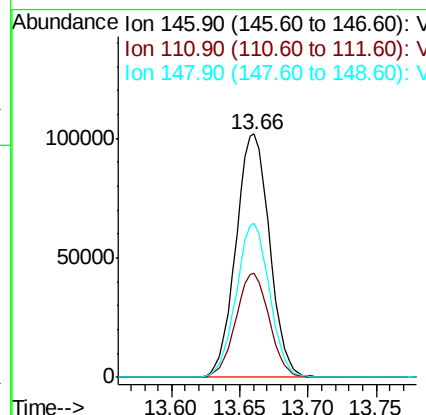
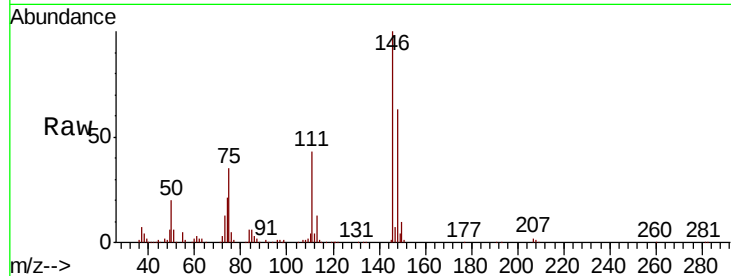
#91
 1,2-Dichlorobenzene
 Concen: 20.860 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	62.8	31.8	95.3

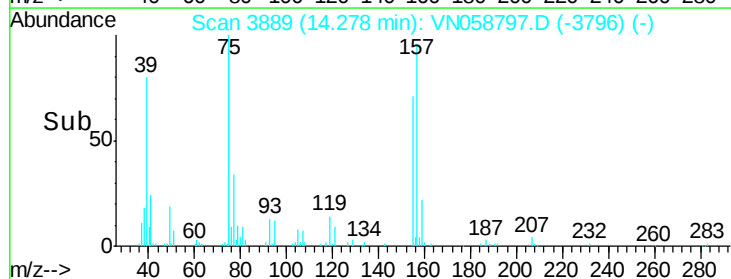
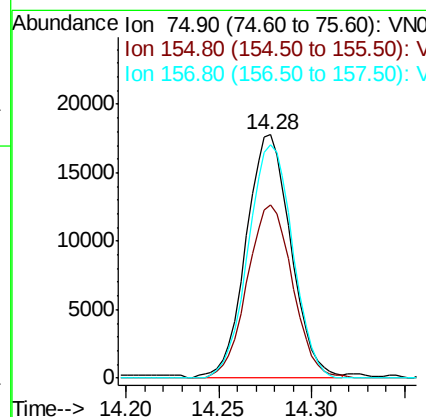
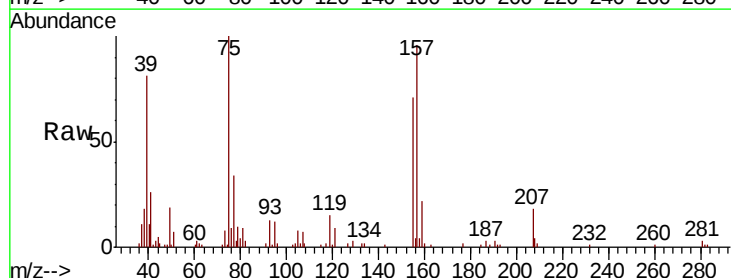
Manual Integrations
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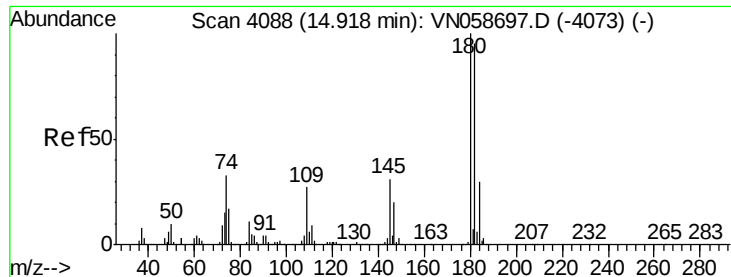
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.359 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	37.9	113.6
157	95.4	49.4	148.2





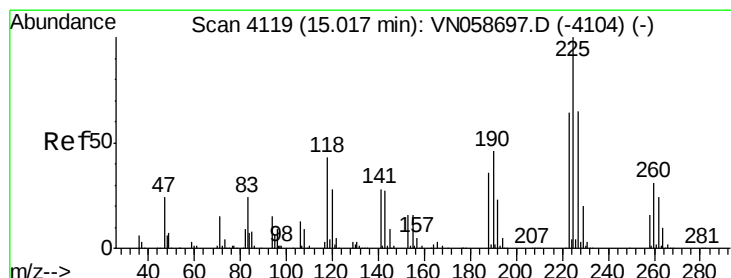
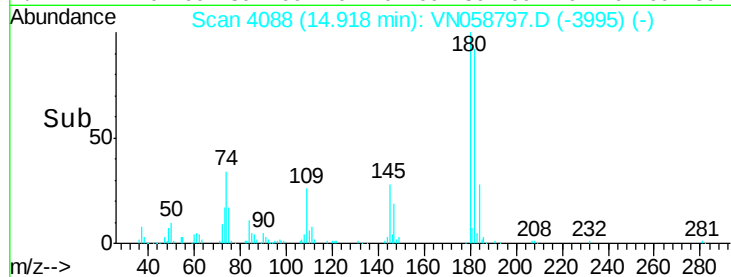
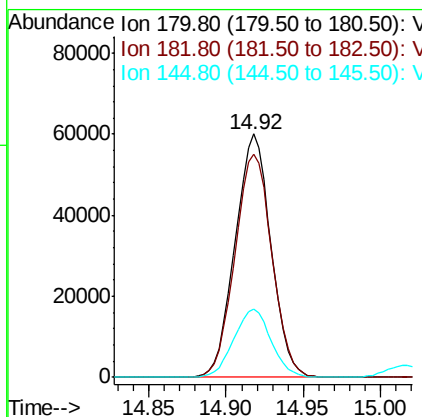
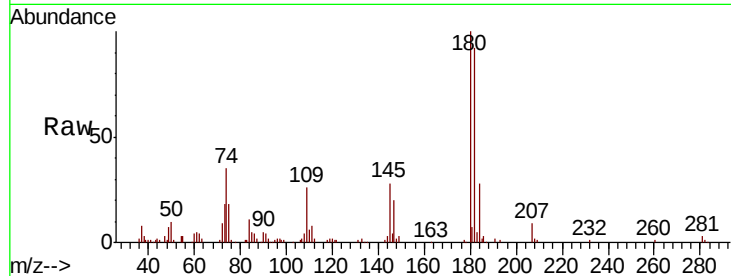
#93
 1,2,4-Trichlorobenzene
 Concen: 18.884 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	29.2	15.4	46.2

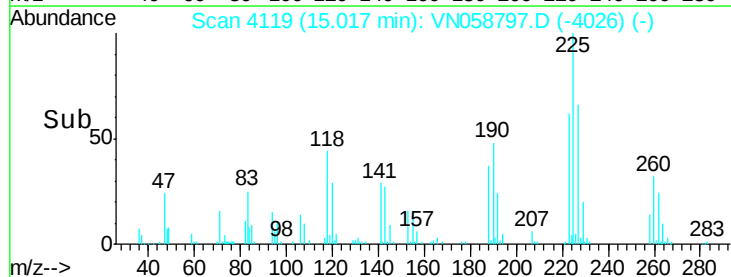
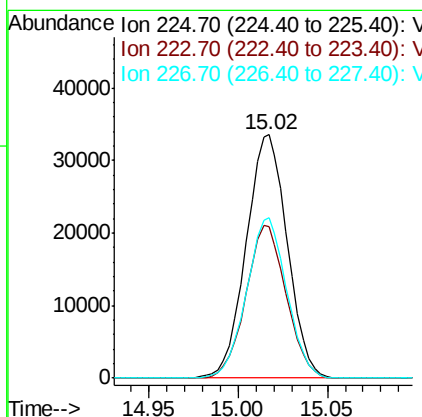
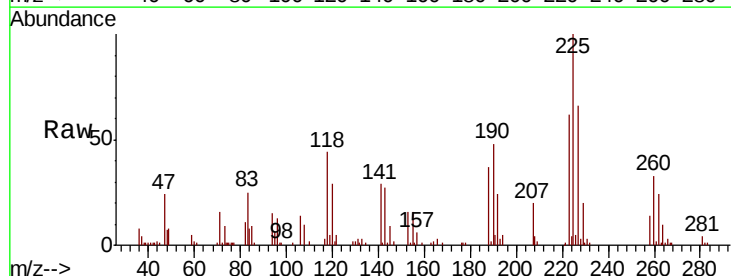
Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:26 AM



#94
 Hexachlorobutadiene
 Concen: 20.095 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058797.D
 Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	32.3	96.8
227	64.3	32.4	97.0





#95

Naphthalene

Concen: 18.745 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Instrument :

MSVOA_N

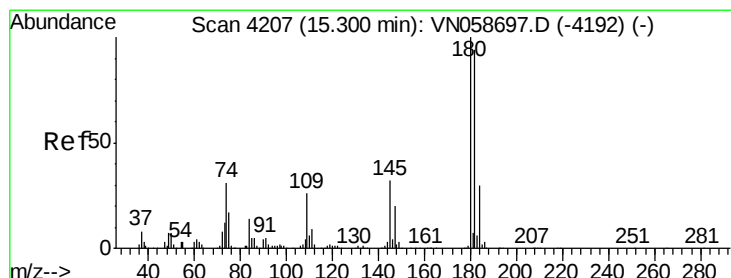
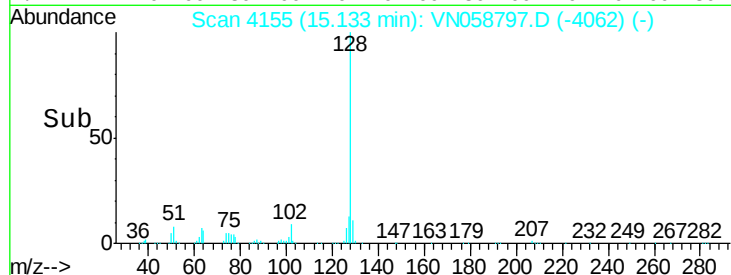
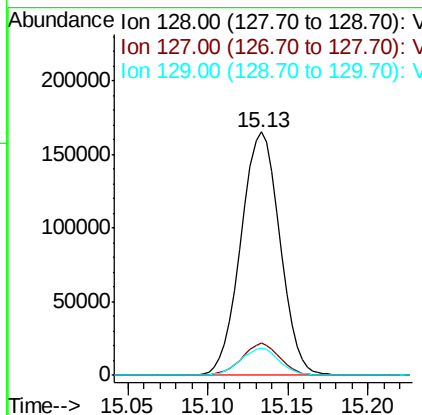
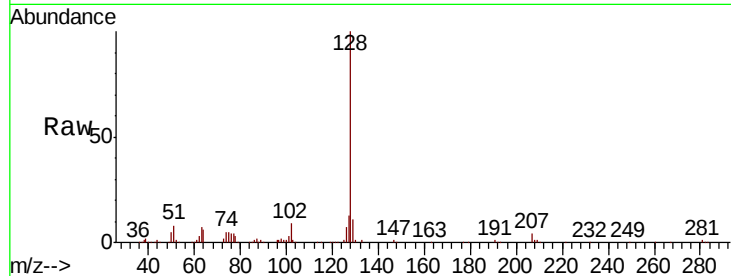
ClientSampleId :

VN1016WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.1	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.982 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058797.D

Acq: 16 Oct 2019 13:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	142.0
145	33.5	16.2	48.6

