

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050455.D
 Acq On : 8 Aug 2018 13:36
 Operator : MD\SY
 Sample : VN0808MBS01
 Misc : 5.00uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

Manual Integrations
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MMDadoda
 8/9/2018 1:32:14 PM

Quant Time: Aug 08 15:28:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	793924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1179809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1046556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	508390	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	475621	44.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.68%	
35) Dibromofluoromethane	7.59	113	437045	46.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.34%	
50) Toluene-d8	10.09	98	1641697	46.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.24%	
62) 4-Bromofluorobenzene	12.40	95	543778	44.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	159793	18.13	ug/l	98
3) Chloromethane	2.06	50	193796	17.66	ug/l	99
4) Vinyl Chloride	2.18	62	210253	18.43	ug/l	98
5) Bromomethane	2.56	94	118111	21.45	ug/l	100
6) Chloroethane	2.70	64	129775	18.46	ug/l	99
7) Trichlorofluoromethane	3.01	101	278347	18.89	ug/l	99
8) Diethyl Ether	3.41	74	102449	18.96	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	173545	19.06	ug/l	99
10) Methyl Iodide	3.95	142	82495	20.57	ug/l	97
11) Tert butyl alcohol	4.80	59	64366	75.54	ug/l	100
12) 1,1-Dichloroethene	3.73	96	160631	18.71	ug/l	97
13) Acrolein	3.61	56	65183	70.29	ug/l	100
14) Allyl chloride	4.32	41	245863	17.84	ug/l	98
15) Acrylonitrile	5.00	53	294450	82.49	ug/l	99
16) Acetone	3.82	43	257262	81.08	ug/l	99
17) Carbon Disulfide	4.05	76	464647	16.65	ug/l	99
18) Methyl Acetate	4.33	43	143396	17.32	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	461875	18.96	ug/l	98
20) Methylene Chloride	4.55	84	185364	18.17	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	172882	18.61	ug/l	98
22) Diisopropyl ether	5.96	45	534742	18.99	ug/l	99
23) Vinyl Acetate	5.90	43	1811977	90.19	ug/l	99
24) 1,1-Dichloroethane	5.85	63	321127	18.59	ug/l	99
25) 2-Butanone	6.84	43	422040	80.29	ug/l	98
26) 2,2-Dichloropropane	6.82	77	256975	18.04	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	198261	19.26	ug/l	98
28) Bromochloromethane	7.20	49	150155	18.88	ug/l	96
29) Tetrahydrofuran	7.22	42	222710	79.16	ug/l	99
30) Chloroform	7.37	83	326166	18.88	ug/l	97
31) Cyclohexane	7.66	56	280930	18.07	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	283132	19.09	ug/l	99
36) 1,1-Dichloropropene	7.79	75	247354	19.08	ug/l	100
37) Ethyl Acetate	6.94	43	156079	16.72	ug/l	99
38) Carbon Tetrachloride	7.78	117	247408	18.30	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	258734	18.29	ug/l	96
40) Benzene	8.04	78	746347	18.73	ug/l	99
41) Methacrylonitrile	7.18	41	74121	14.93	ug/l	92
42) 1,2-Dichloroethane	8.13	62	233291	18.44	ug/l	99
43) Isopropyl Acetate	8.17	43	274719	17.05	ug/l	97
44) Trichloroethene	8.84	130	203727	19.02	ug/l	97
45) 1,2-Dichloropropane	9.12	63	191551	18.28	ug/l	98
46) Dibromomethane	9.21	93	116049	17.94	ug/l	97
47) Bromodichloromethane	9.40	83	245795	18.34	ug/l	99
48) Methyl methacrylate	9.20	41	134171	16.61	ug/l	96
49) 1,4-Dioxane	9.20	88	37987	305.11	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	967629	83.37	ug/l	98
52) Toluene	10.16	92	465472	19.44	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	246808	18.34	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	286137	19.05	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	171836	18.39	ug/l	97
56) Ethyl methacrylate	10.43	69	213361	17.29	ug/l	98
57) 1,3-Dichloropropane	10.71	76	280283	18.27	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	502287	86.46	ug/l	98
59) 2-Hexanone	10.75	43	640060	79.02	ug/l	99
60) Dibromochloromethane	10.90	129	186136	18.08	ug/l	97
61) 1,2-Dibromoethane	11.01	107	169053	18.35	ug/l	100
64) Tetrachloroethene	10.63	164	197125	20.16	ug/l	99
65) Chlorobenzene	11.44	112	504490	19.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	186929	19.58	ug/l	99
67) Ethyl Benzene	11.51	91	852540	20.10	ug/l	98
68) m/p-Xylenes	11.62	106	656031	40.63	ug/l	99
69) o-Xylene	11.95	106	318324	20.47	ug/l	98
70) Styrene	11.96	104	503805	19.92	ug/l	99
71) Bromoform	12.13	173	126143	18.07	ug/l #	98
73) Isopropylbenzene	12.25	105	833126	21.83	ug/l	100
74) N-amyl acetate	12.07	43	229939	18.59	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	207108	18.81	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	163980m	17.82	ug/l	
77) Bromobenzene	12.53	156	217324	21.26	ug/l	96
78) n-propylbenzene	12.59	91	913638	21.15	ug/l	99
79) 2-Chlorotoluene	12.68	91	558832	20.95	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	669050	21.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50705	19.36	ug/l	99
82) 4-Chlorotoluene	12.77	91	556122	20.90	ug/l	98
83) tert-Butylbenzene	12.99	119	575342	21.29	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	686869	21.89	ug/l	99
85) sec-Butylbenzene	13.17	105	740625	20.56	ug/l	100
86) p-Isopropyltoluene	13.29	119	643404	20.84	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	360587	19.80	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	354825	19.51	ug/l	98
89) n-Butylbenzene	13.62	91	494359	18.81	ug/l	98
90) Hexachloroethane	13.88	117	106106	19.33	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	355294	19.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31257	16.72	ug/l	97

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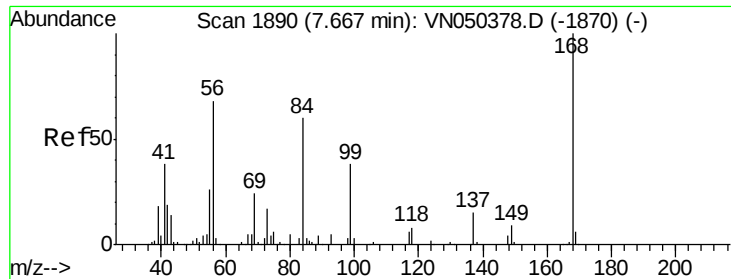
Manual Integrations
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93) 1,2,4-Trichlorobenzene	14.91	180	177277	19.07	ug/l	98
94) Hexachlorobutadiene	15.01	225	108525	20.40	ug/l	99
95) Naphthalene	15.14	128	405955	18.92	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	175316	18.65	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

Tot Ion:168 Resp: 793924

Ion Ratio Lower Upper

168 100

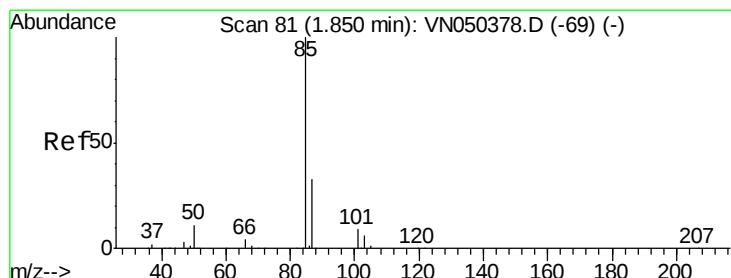
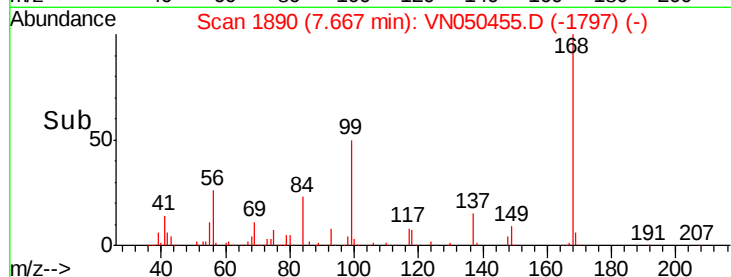
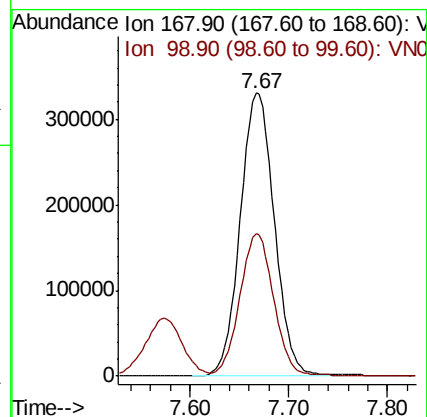
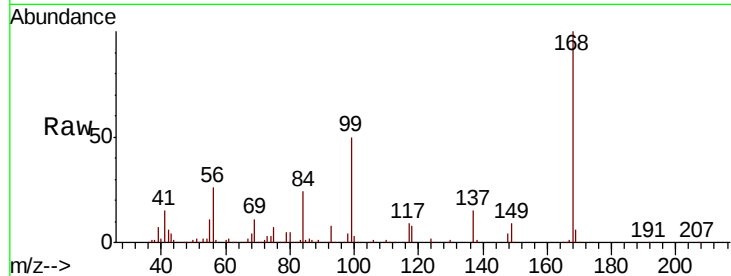
99 50.0 40.0 60.0

Manual Integrations

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8/9/2018 1:32:14 PM



#2

Dichlorodifluoromethane

Concen: 18.13 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050455.D

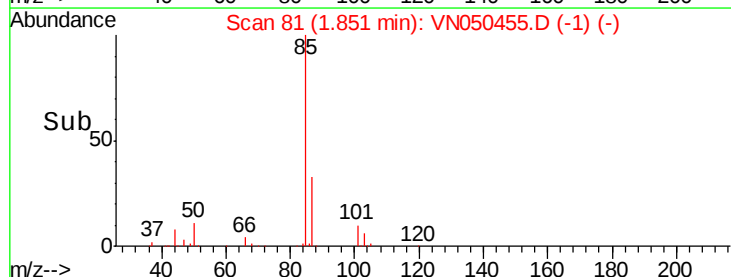
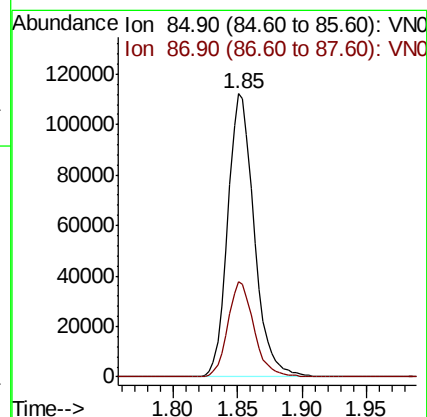
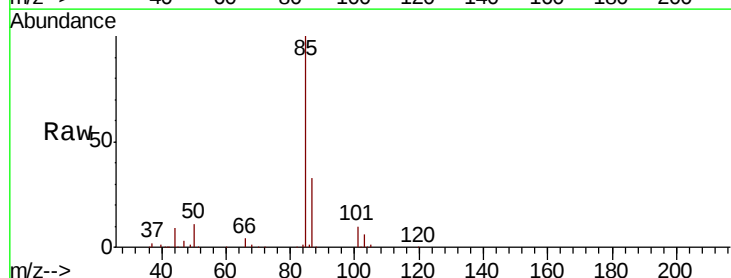
Acq: 8 Aug 2018 13:36

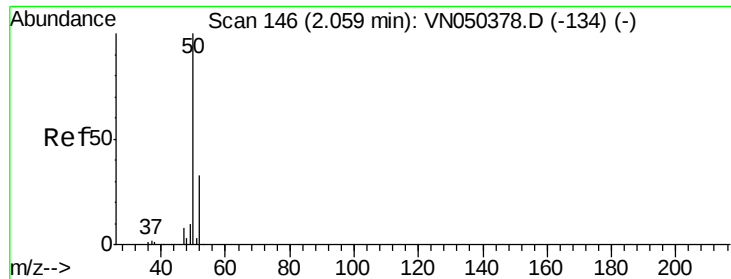
Tgt Ion: 85 Resp: 159793

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.3





#3

Chloromethane

Concen: 17.66 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

Tot Ion: 50 Resp: 193796

Ion Ratio Lower Upper

50 100

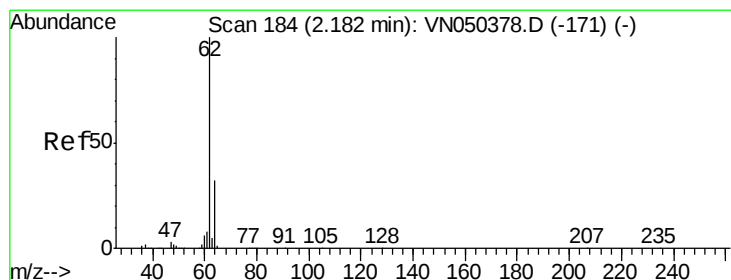
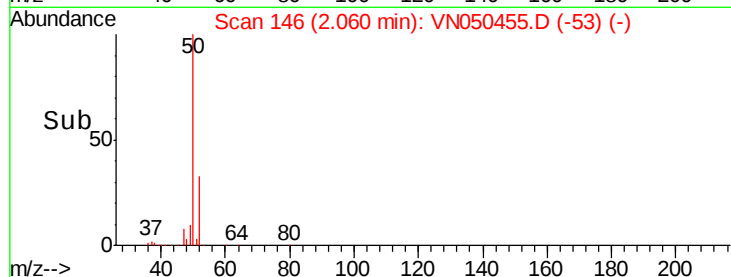
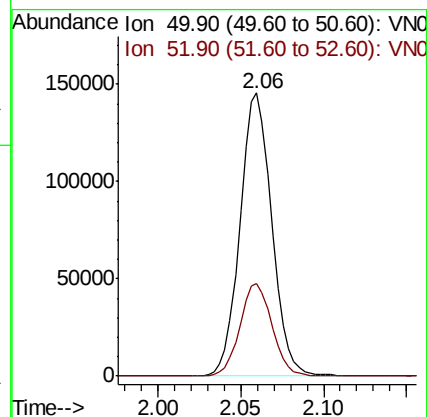
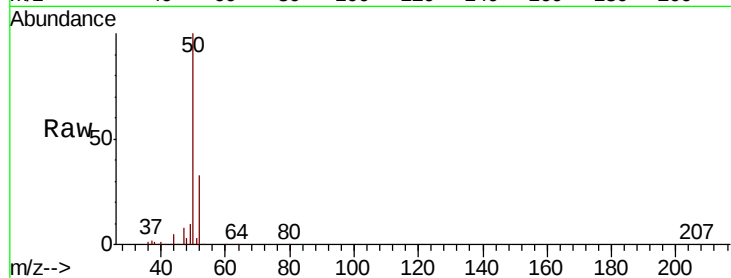
52 33.0 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.43 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050455.D

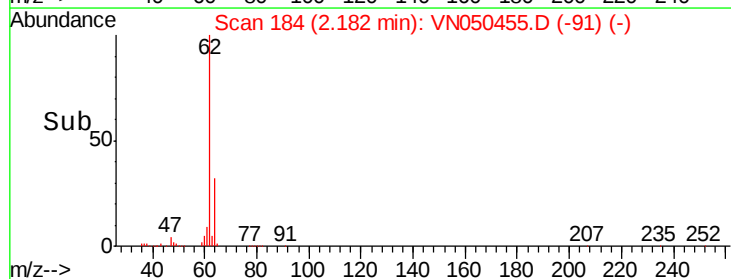
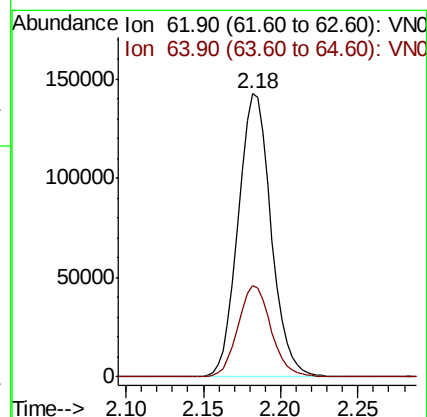
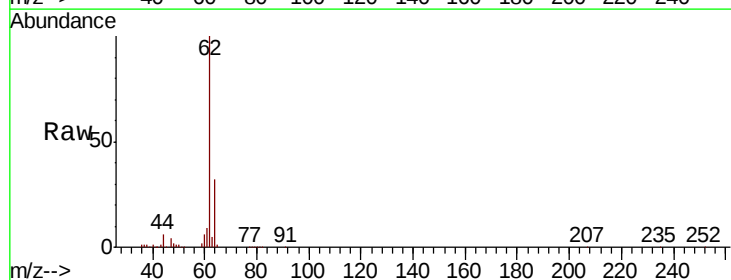
Acq: 8 Aug 2018 13:36

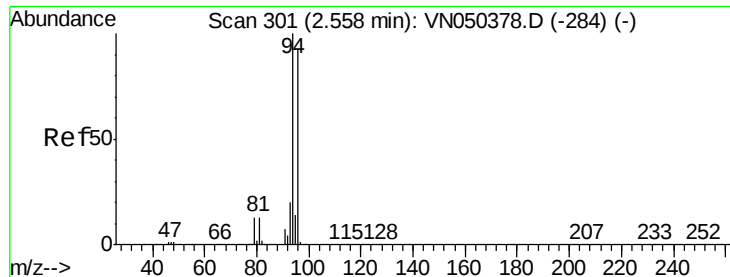
Tgt Ion: 62 Resp: 210253

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 21.45 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

Tot Ion: 94 Resp: 118111

Ion Ratio Lower Upper

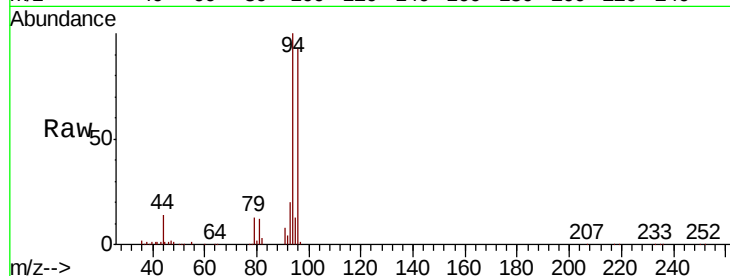
94 100

96 92.9 74.6 112.0

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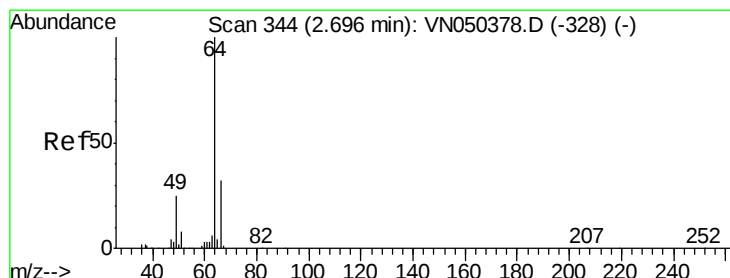
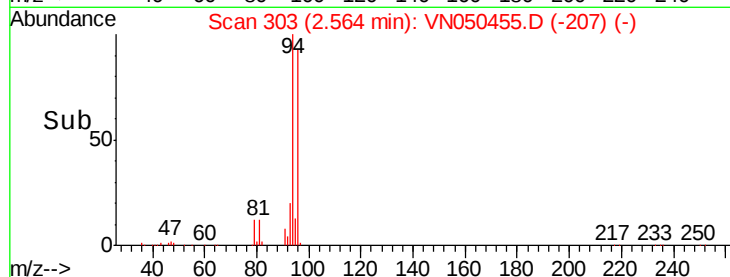
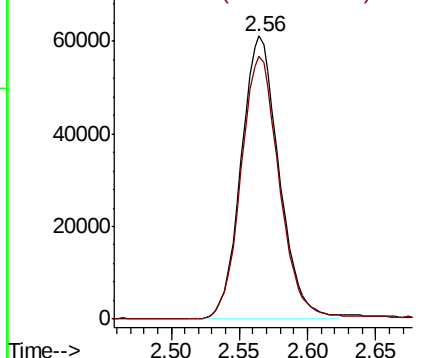
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 18.46 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050455.D

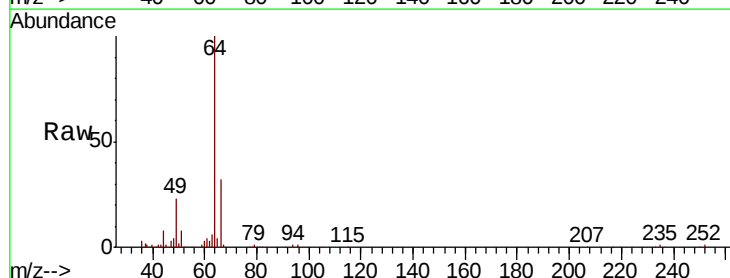
Acq: 8 Aug 2018 13:36

Tgt Ion: 64 Resp: 129775

Ion Ratio Lower Upper

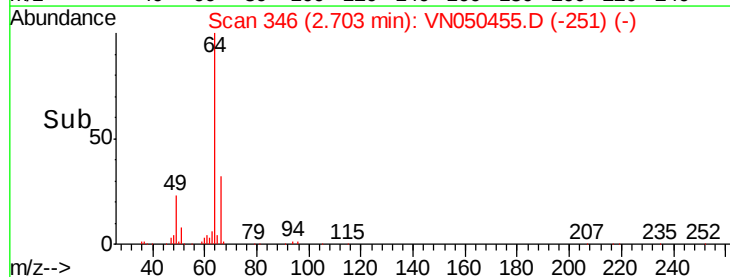
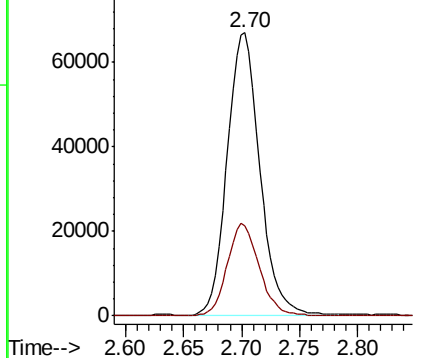
64 100

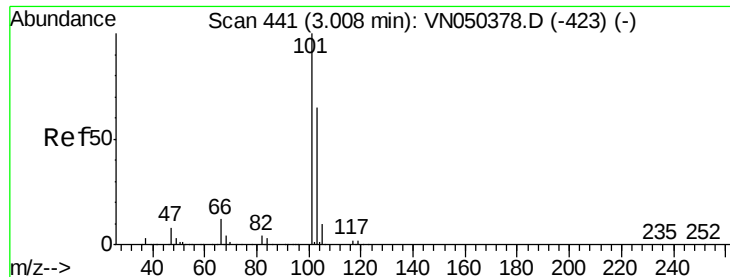
66 32.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

Trichlorofluoromethane

Concen: 18.89 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

Tot Ion:101 Resp: 278347

Ion Ratio Lower Upper

101 100

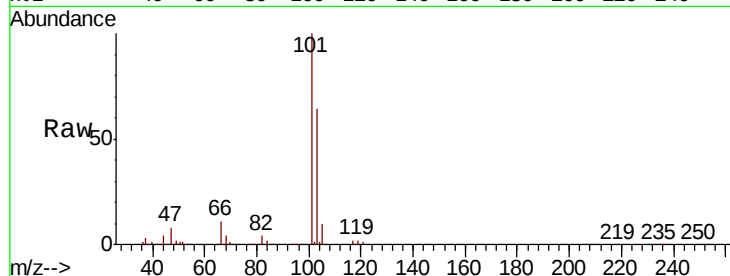
103 64.1 51.7 77.5

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

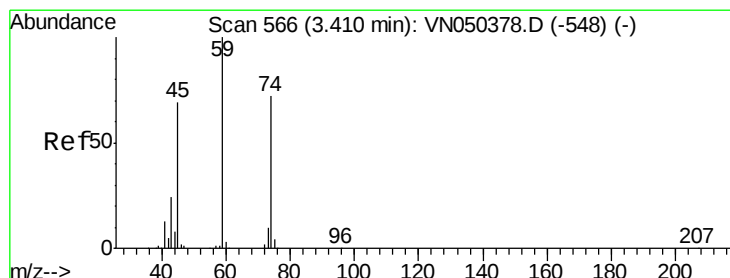
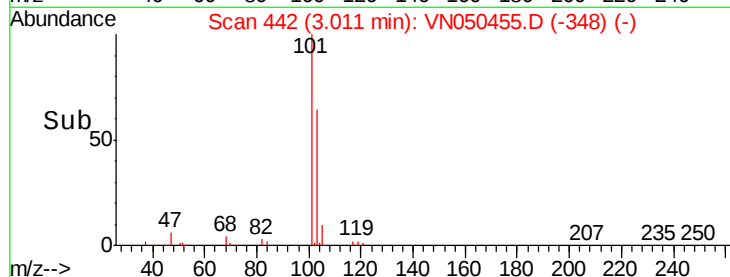
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 18.96 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050455.D

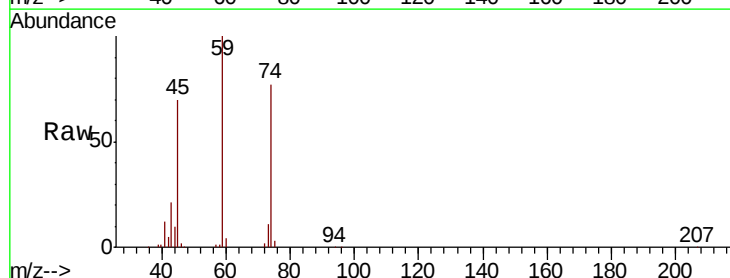
Acq: 8 Aug 2018 13:36

Tgt Ion: 74 Resp: 102449

Ion Ratio Lower Upper

74 100

45 91.7 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

50000

40000

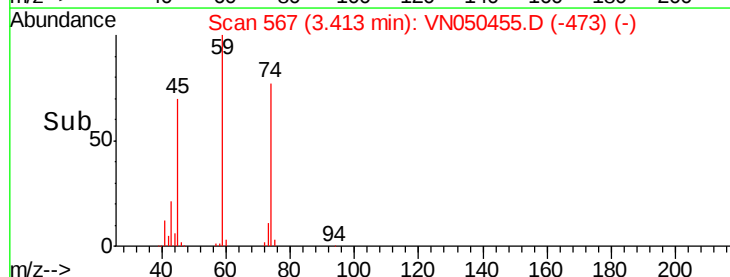
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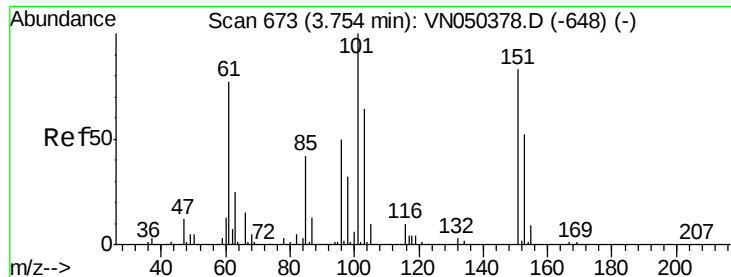
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10000

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Time-->





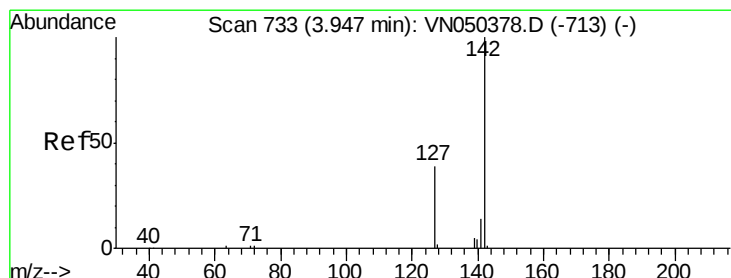
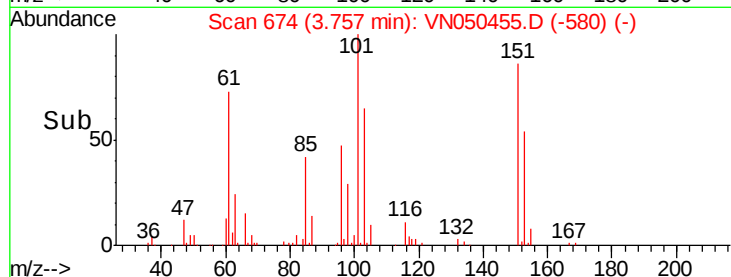
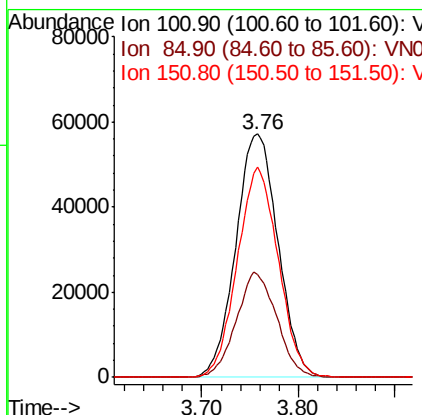
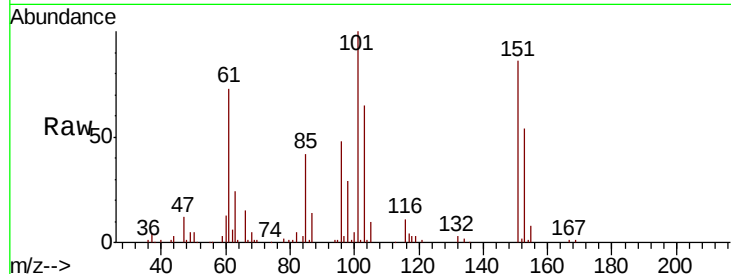
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.06 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	173545		
85	41.2	34.2	51.2	
151	83.6	66.3	99.5	

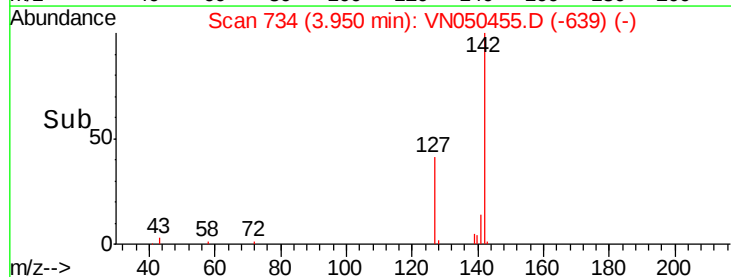
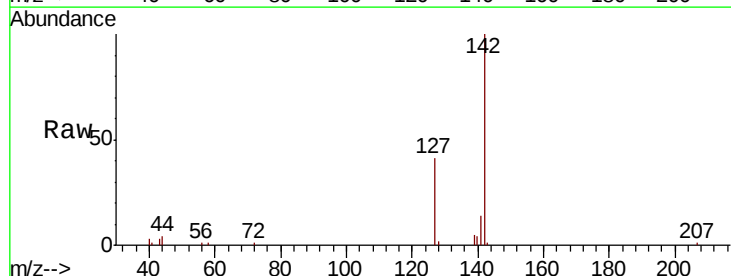
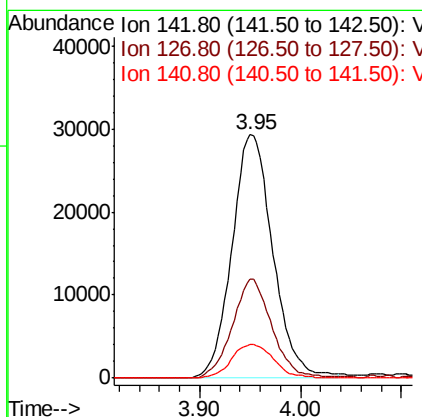
Manual Integrations
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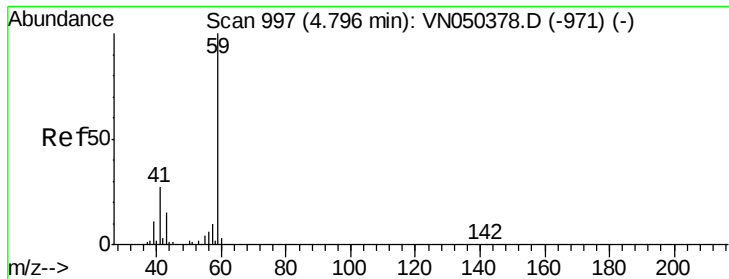
MMDadoda
 8/9/2018 1:32:14 PM



#10
 Methyl Iodide
 Concen: 20.57 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	82495		
127	39.6	33.4	50.2	
141	14.3	11.6	17.4	





#11

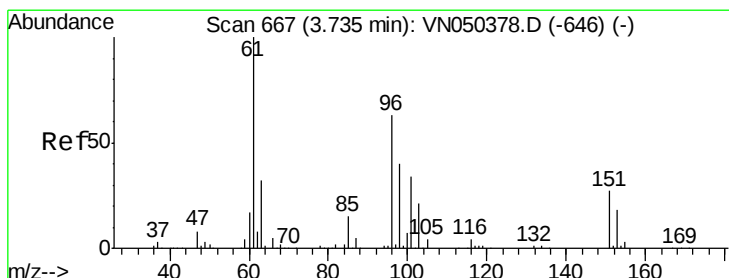
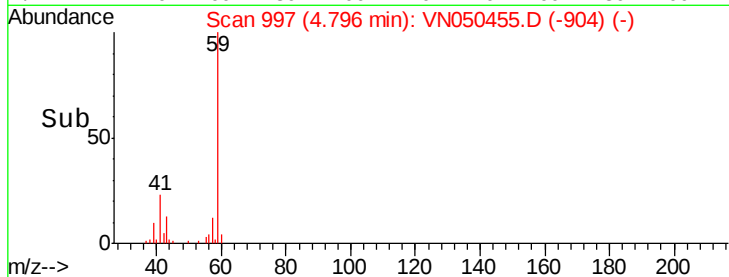
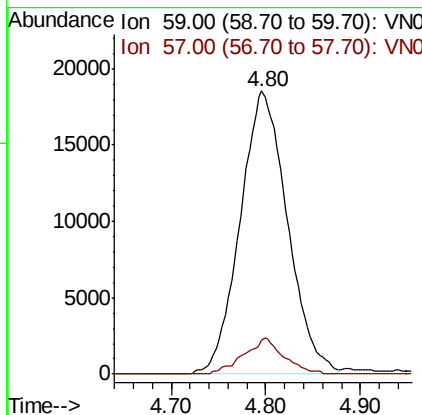
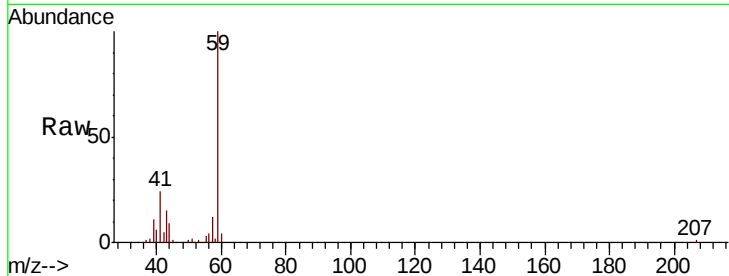
Tert butyl alcohol
Concen: 75.54 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

Manual Integrations
APPROVED

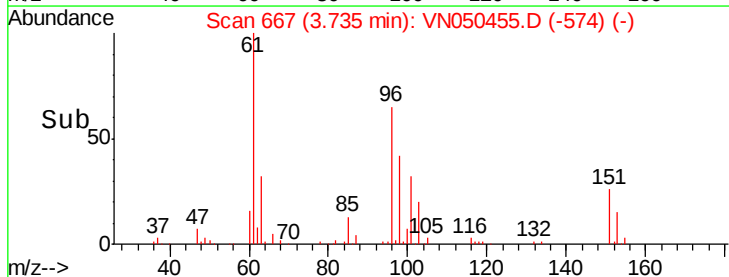
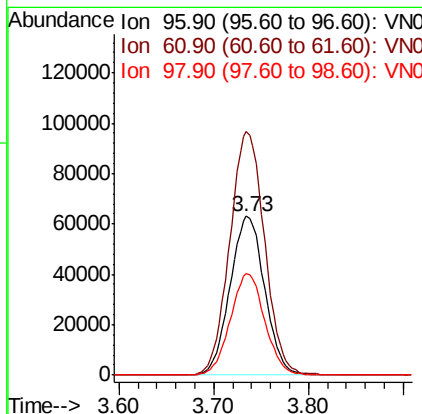
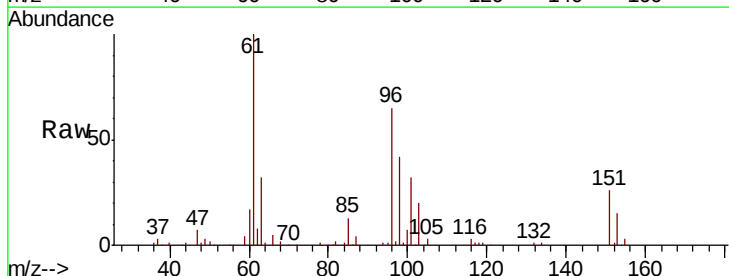
MMDadoda
8/9/2018 1:32:14 PM

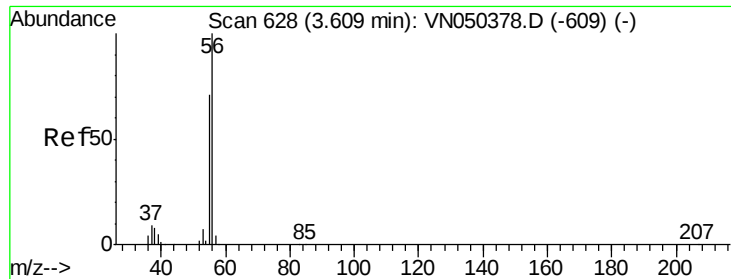


#12

1,1-Dichloroethene
Concen: 18.71 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	124.4	186.6
98	63.9	48.3	72.5





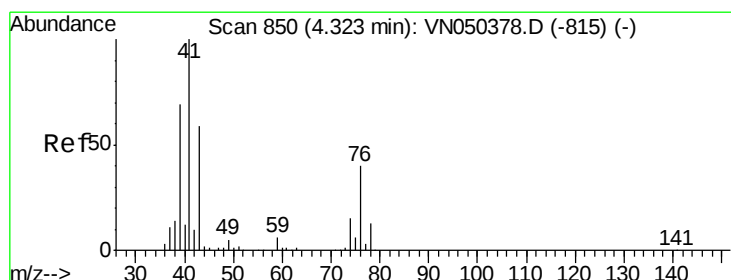
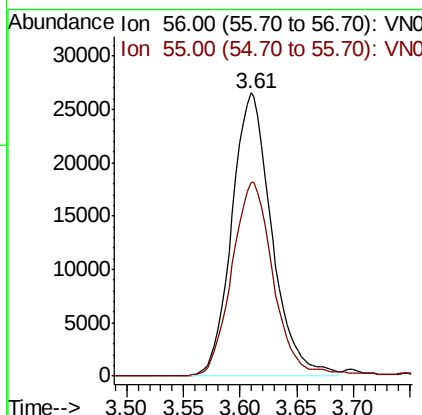
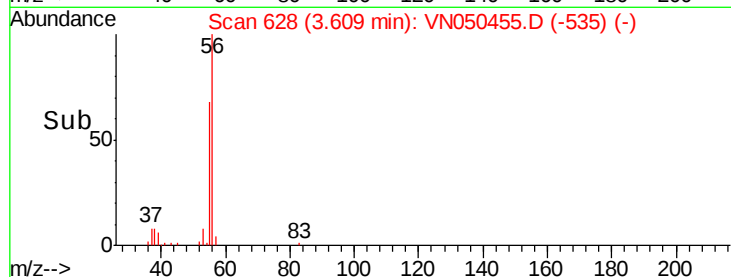
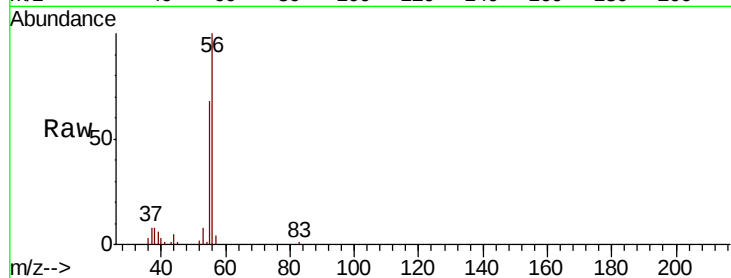
#13
 Acrolein
 Concen: 70.29 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.8	83.6

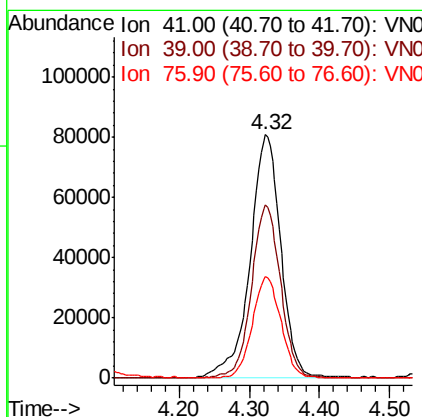
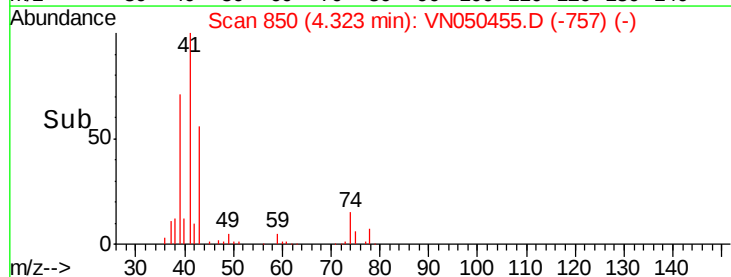
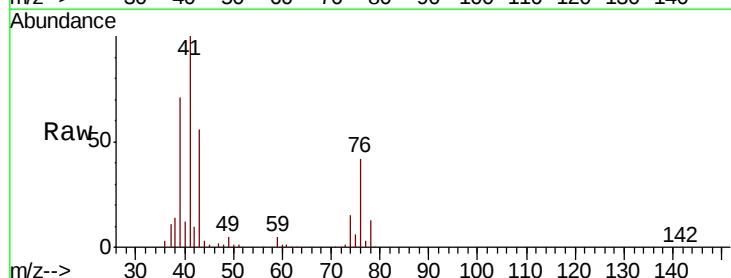
Manual Integrations
 APPROVED

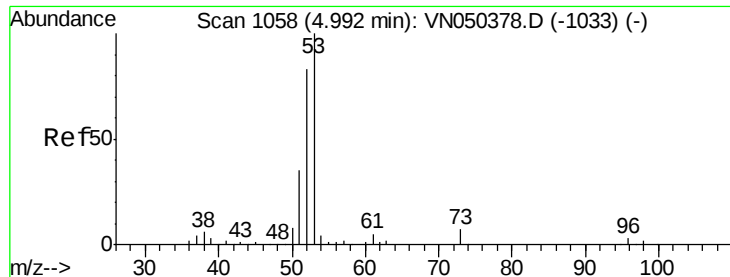
MMDadoda
 8/9/2018 1:32:14 PM



#14
 Allyl chloride
 Concen: 17.84 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.3	54.2	81.4
76	38.8	29.0	43.6





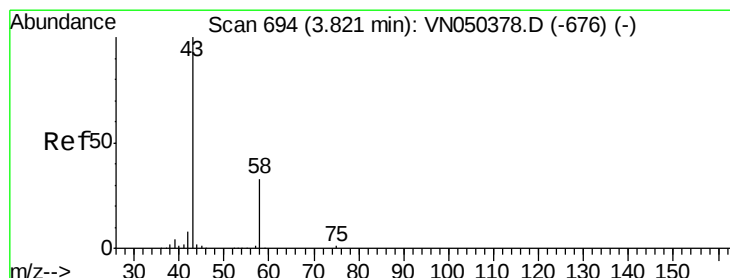
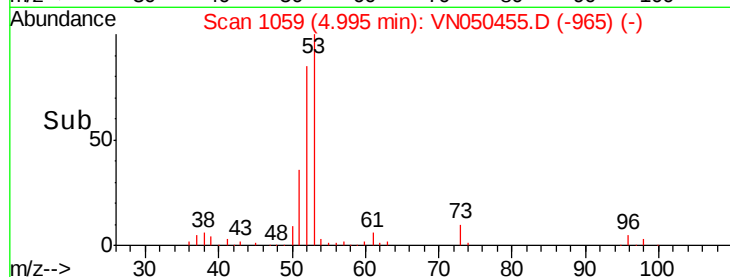
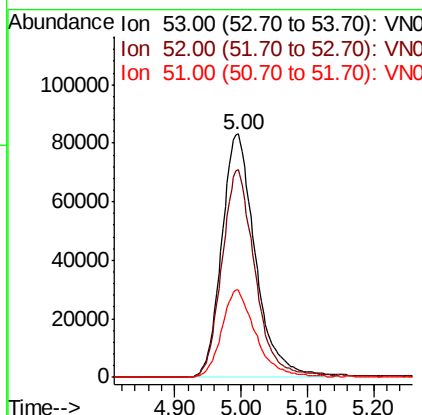
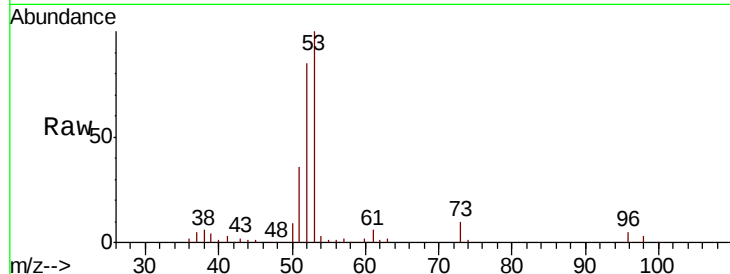
#15
 Acrylonitrile
 Concen: 82.49 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

Tot Ion:	53	Resp:	294450
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	36.2	29.3	43.9

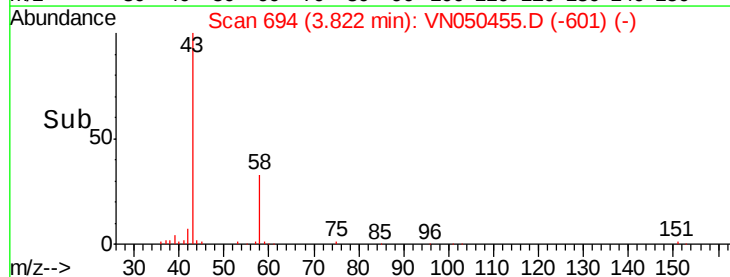
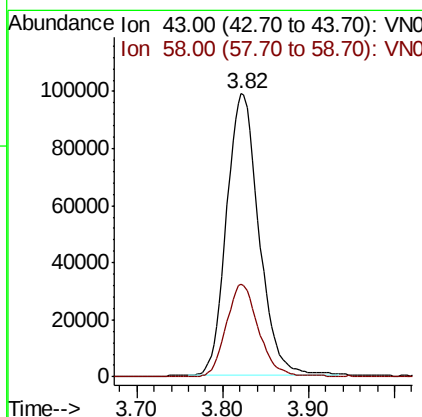
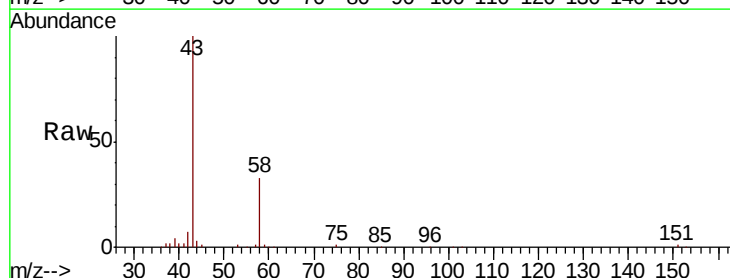
Manual Integrations
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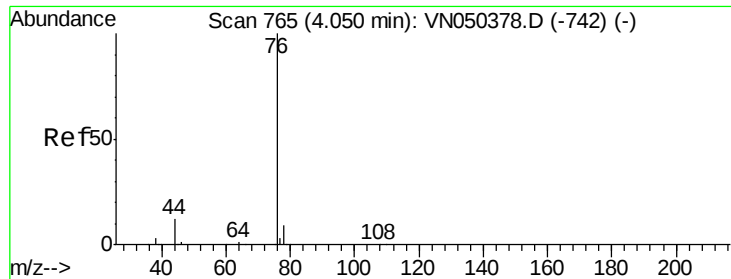
MMDadoda
 8/9/2018 1:32:14 PM



#16
 Acetone
 Concen: 81.08 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion:	43	Resp:	257262
Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.8	38.8





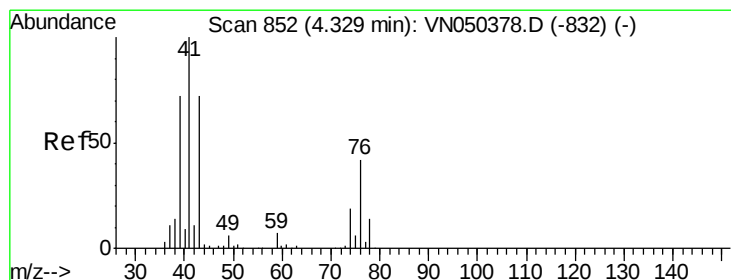
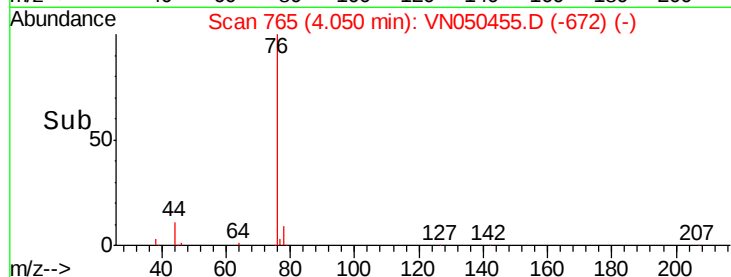
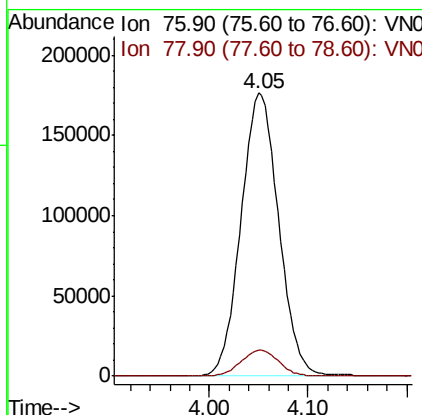
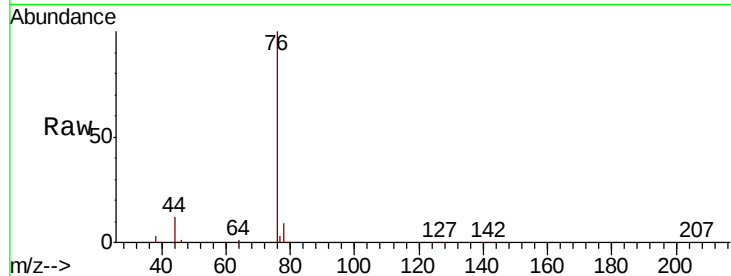
#17
Carbon Disulfide
Concen: 16.65 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

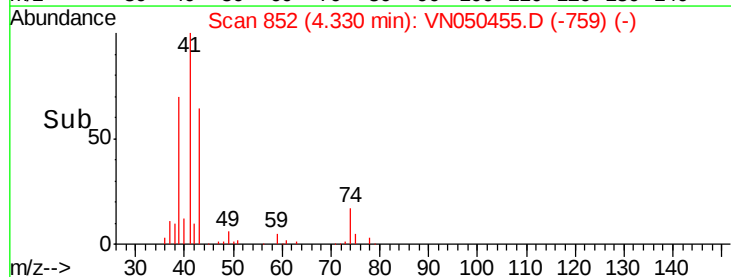
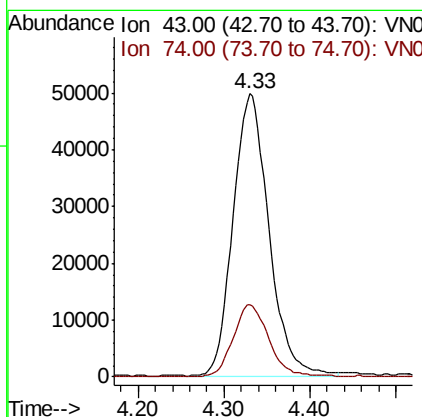
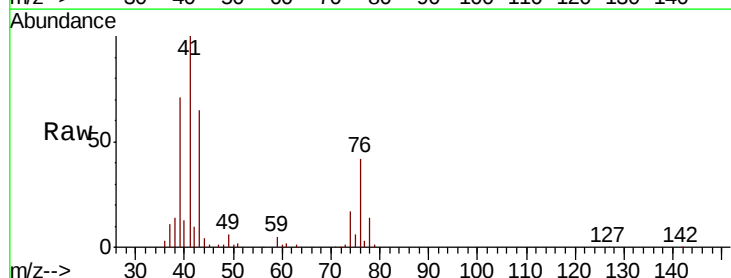
Manual Integrations
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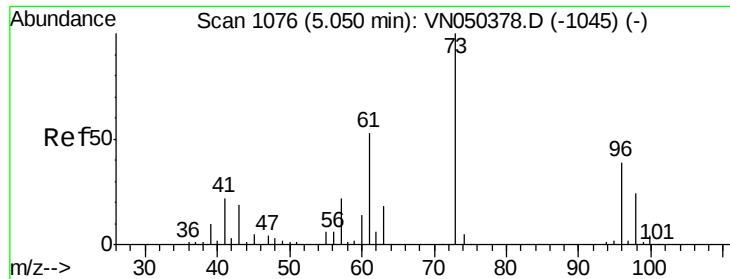
MMDadoda
8/9/2018 1:32:14 PM



#18
Methyl Acetate
Concen: 17.32 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.2	28.8





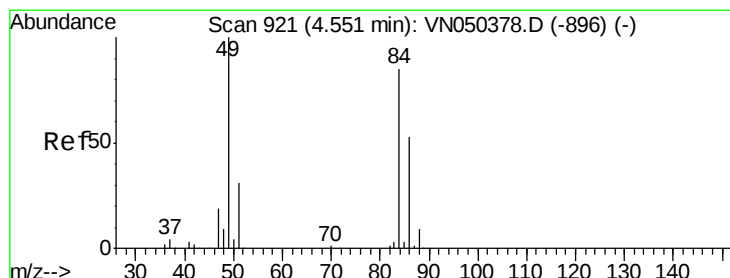
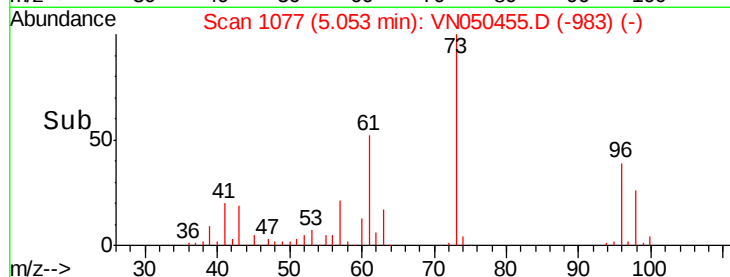
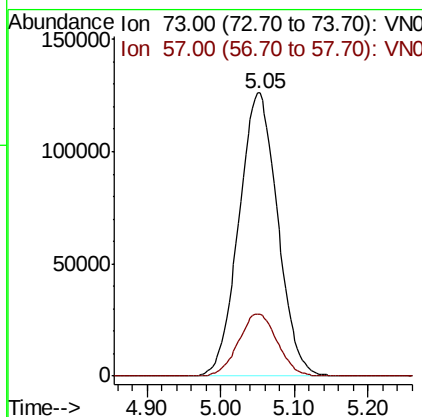
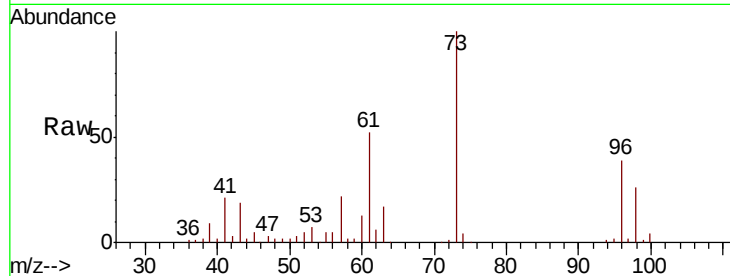
#19
Methyl tert-butyl Ether
Concen: 18.96 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampled :
VN0808MBS01

Tot Ion: 73 Resp: 461875
Ion Ratio Lower Upper
73 100
57 21.7 18.0 27.0

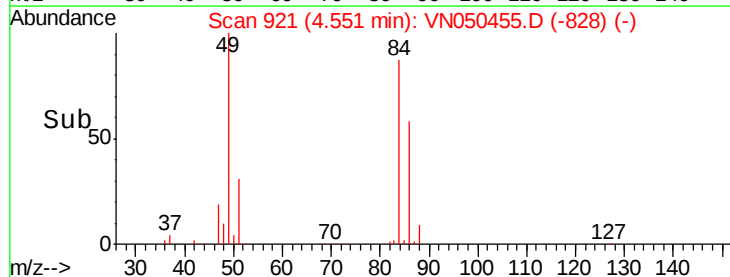
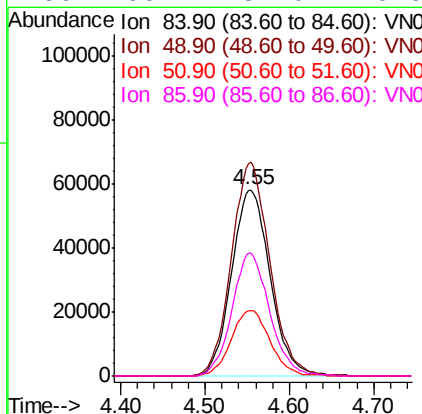
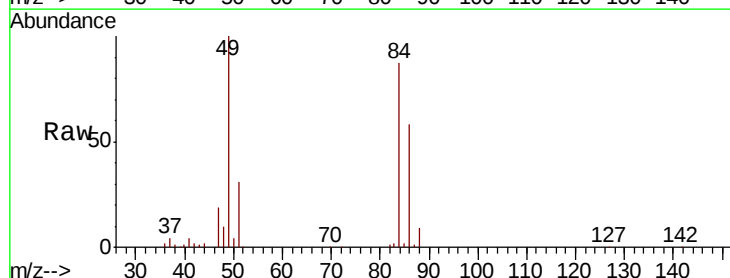
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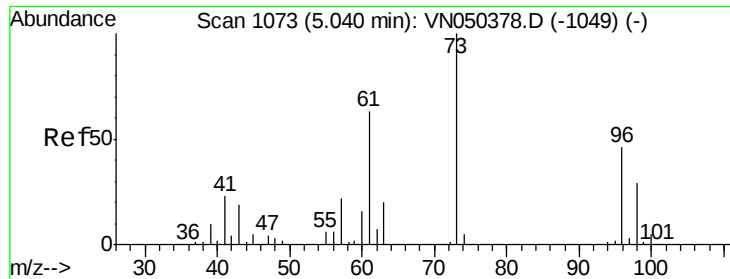
MMDadoda
8/9/2018 1:32:14 PM



#20
Methylene Chloride
Concen: 18.17 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion: 84 Resp: 185364
Ion Ratio Lower Upper
84 100
49 114.4 94.8 142.2
51 35.0 28.3 42.5
86 66.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.61 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

Tot Ion: 96 Resp: 172882

Ion Ratio Lower Upper

96 100

61 134.6 110.7 166.1

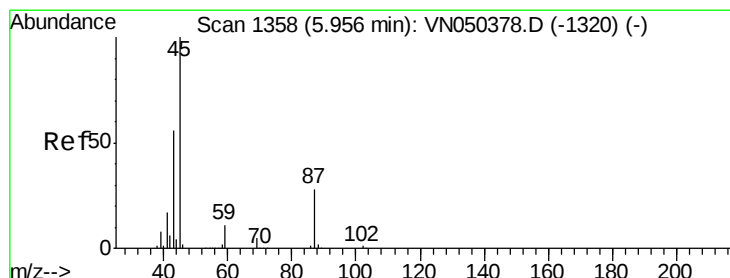
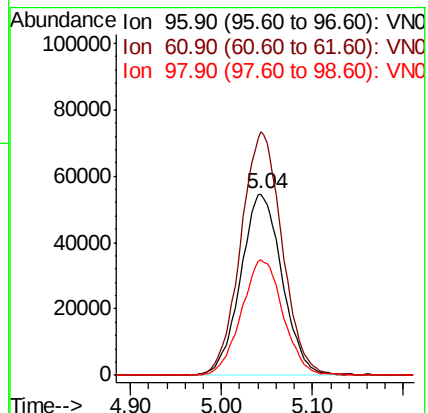
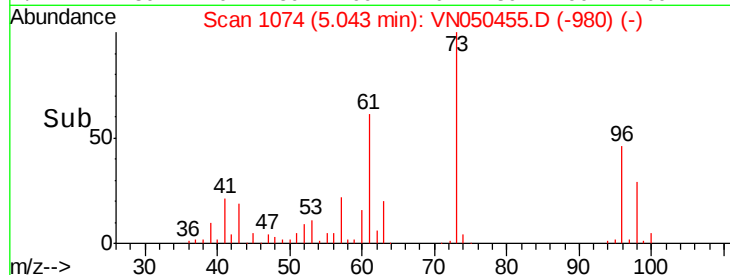
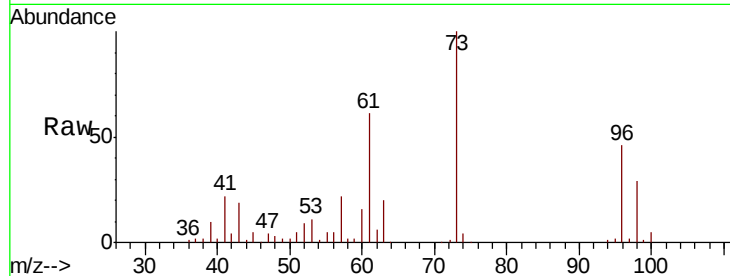
98 63.7 51.6 77.4

Manual Integrations

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MMDadoda

8/9/2018 1:32:14 PM



#22

Diisopropyl ether

Concen: 18.99 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Tgt Ion: 45 Resp: 534742

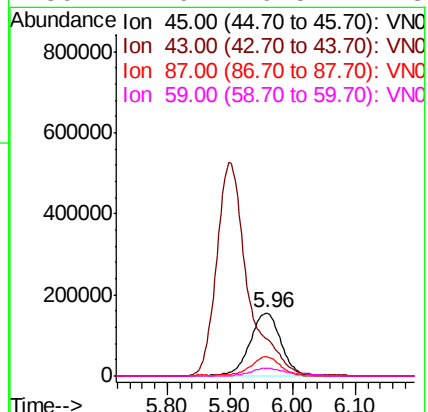
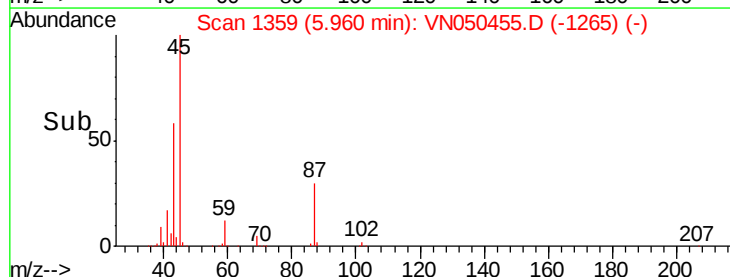
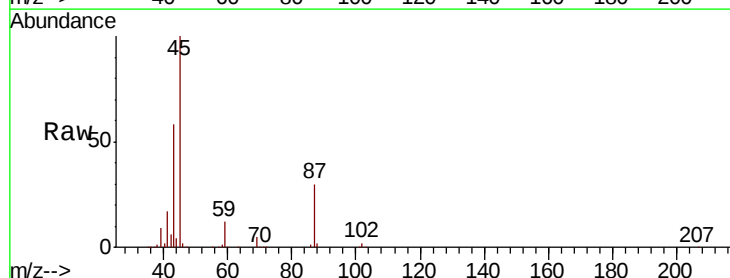
Ion Ratio Lower Upper

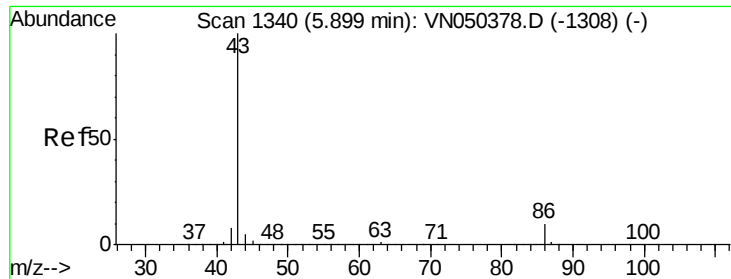
45 100

43 57.1 45.7 68.5

87 30.1 22.7 34.1

59 11.9 9.5 14.3





#23

Vinyl Acetate

Concen: 90.19 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

Tot Ion: 43 Resp: 1811977

Ion Ratio Lower Upper

43 100

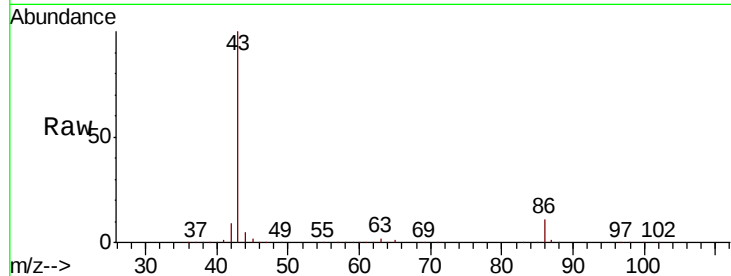
86 11.1 8.6 13.0

Manual Integrations

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MMDadoda

8/9/2018 1:32:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

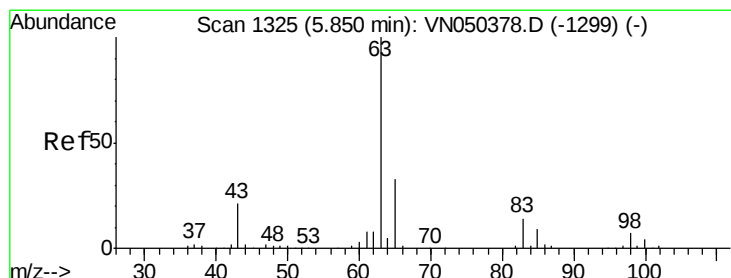
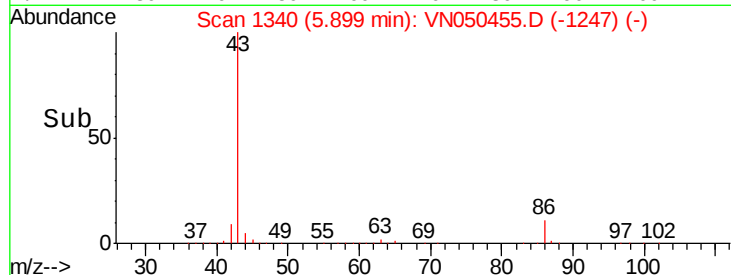
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.59 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

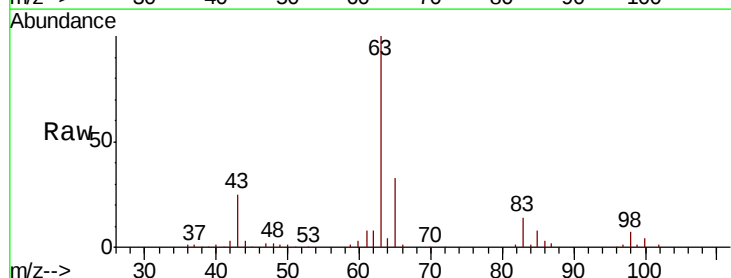
Tgt Ion: 63 Resp: 321127

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 4.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

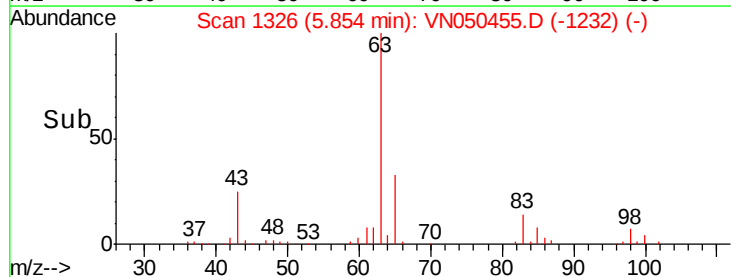
Ion 99.90 (99.60 to 100.60): VN0

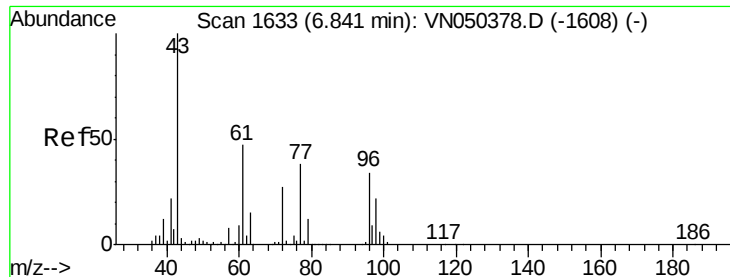
100000

50000

0

Time-->





#25

2-Butanone

Concen: 80.29 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

Tot Ion: 43 Resp: 422040

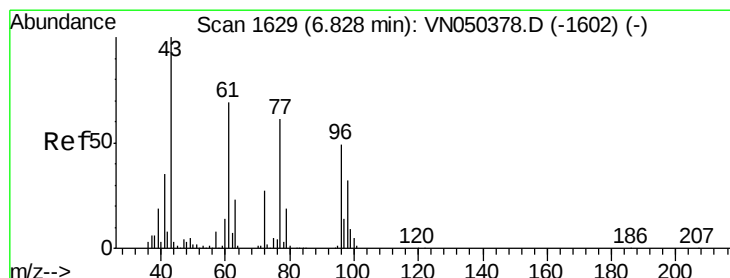
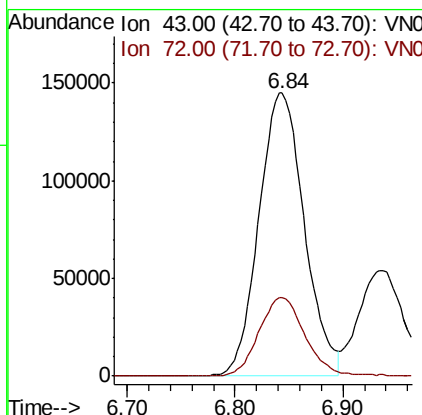
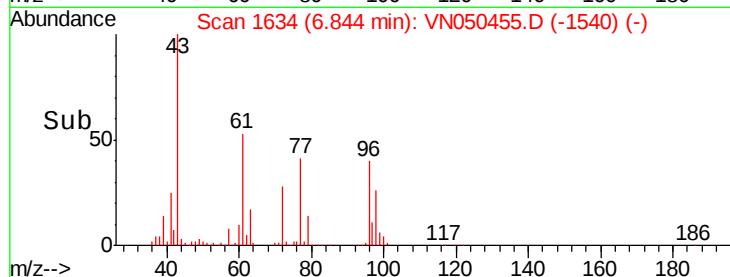
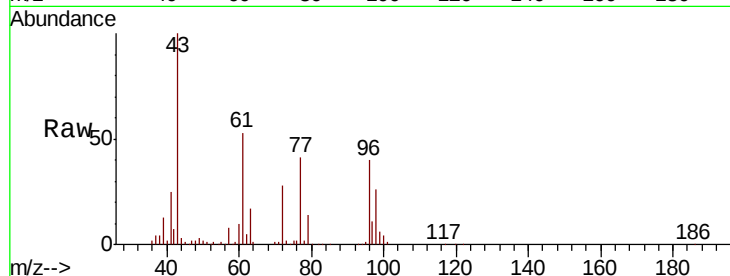
Ion Ratio Lower Upper

43 100

72 28.0 21.5 32.3

Manual Integrations
APPROVED

MMDadoda
8/9/2018 1:32:14 PM



#26

2,2-Dichloropropane

Concen: 18.04 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050455.D

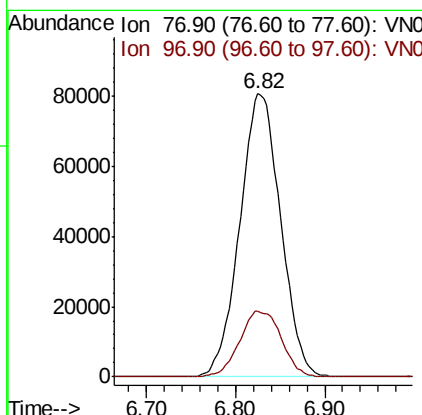
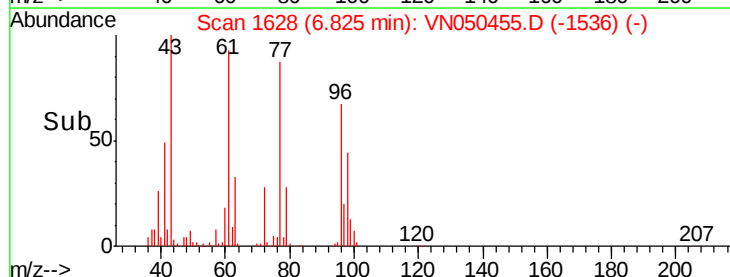
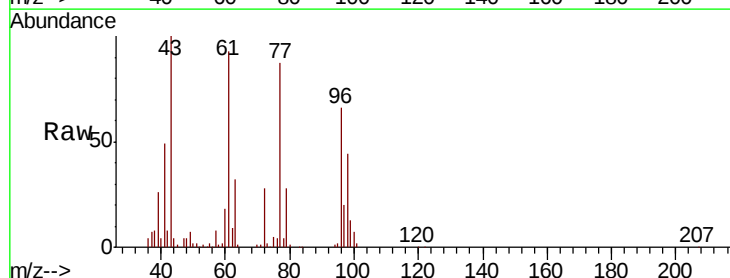
Acq: 8 Aug 2018 13:36

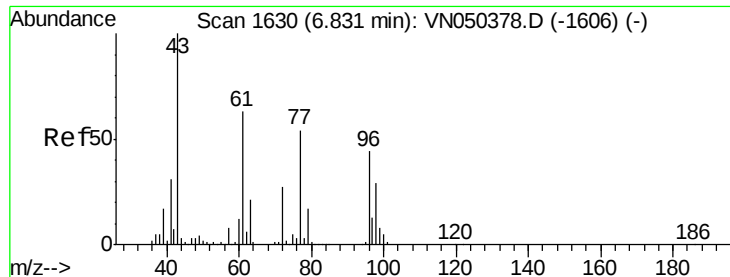
Tgt Ion: 77 Resp: 256975

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3





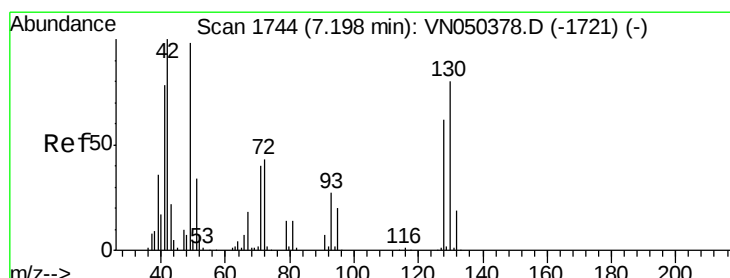
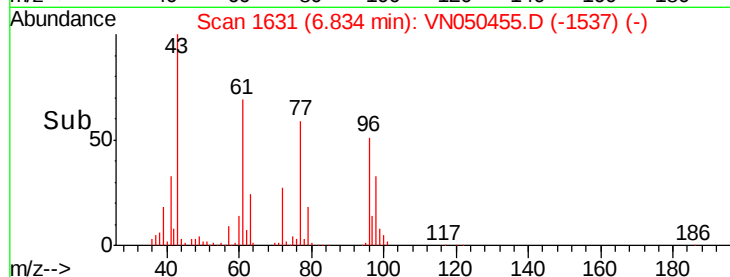
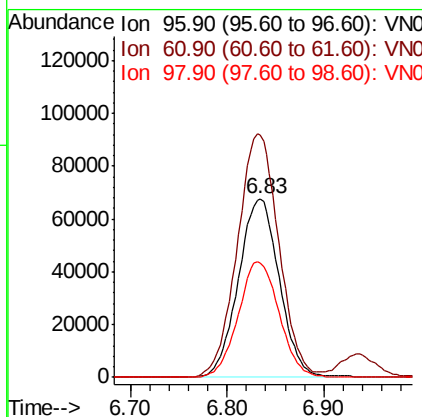
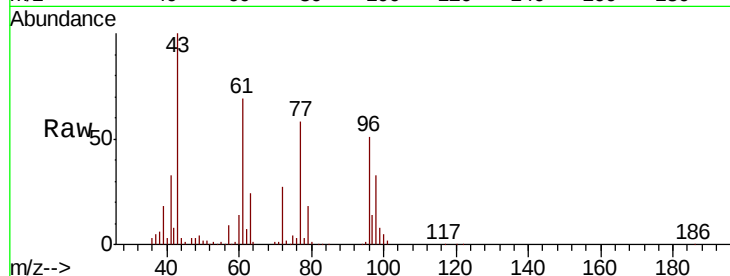
#27
 cis-1,2-Dichloroethene
 Concen: 19.26 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.6	0.0	285.0	
98	64.7	0.0	129.2	

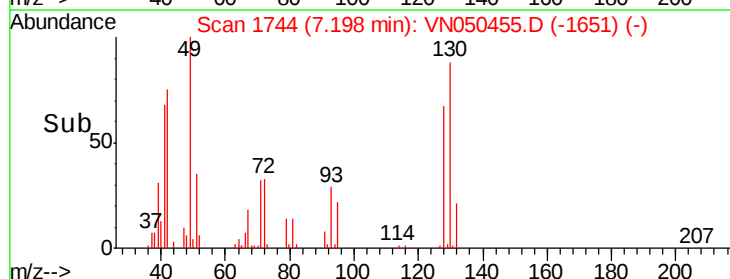
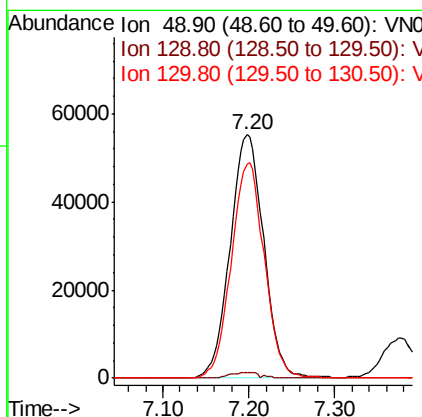
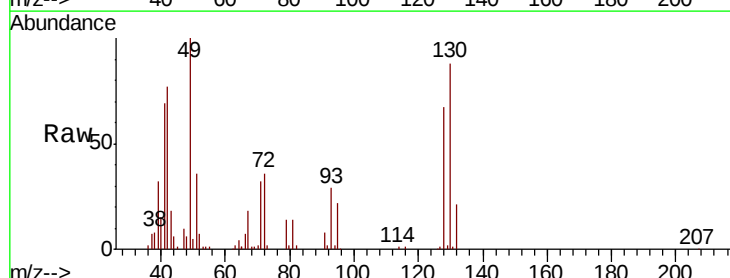
Manual Integrations
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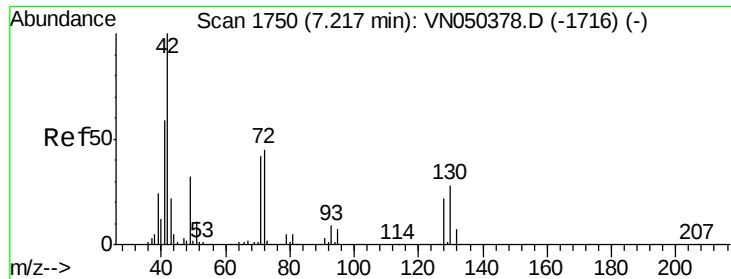
MMDadoda
 8/9/2018 1:32:14 PM



#28
 Bromochloromethane
 Concen: 18.88 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	4.0	
130	87.0	66.3	99.5	





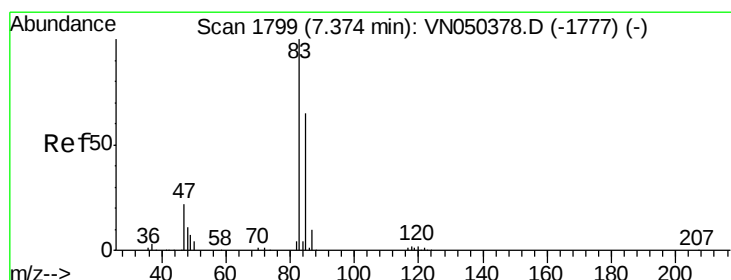
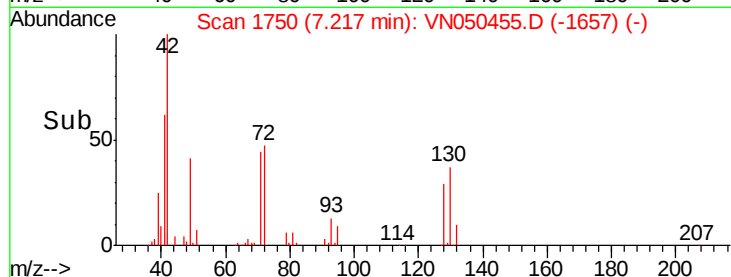
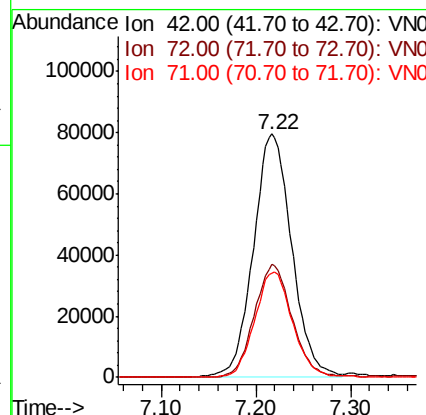
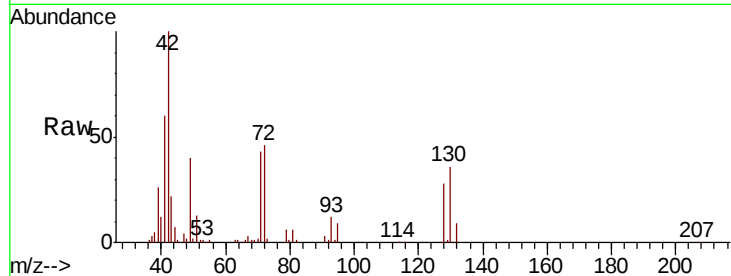
#29
Tetrahydrofuran
Concen: 79.16 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.9	53.9
71	42.9	33.7	50.5

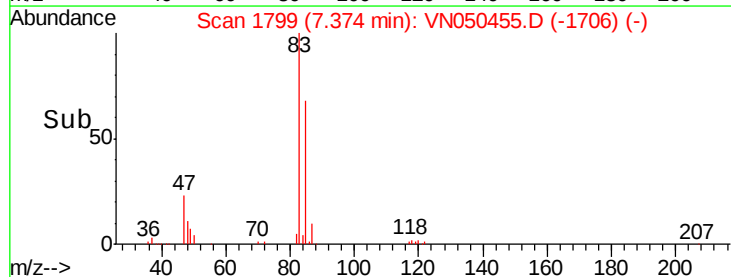
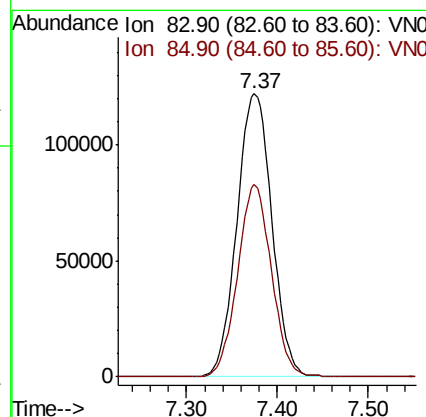
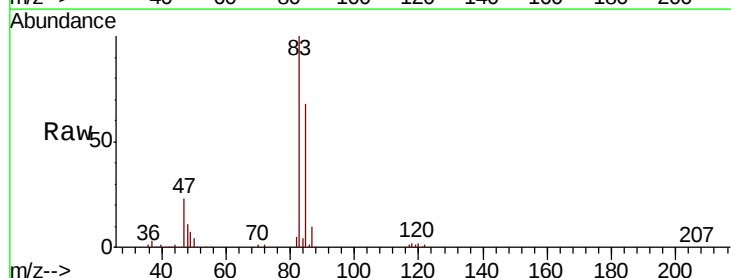
Manual Integrations
APPROVED

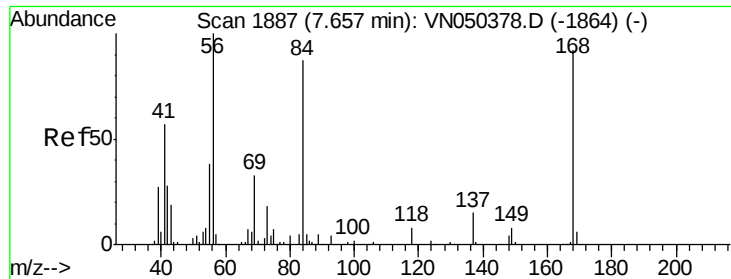
MMDadoda
8/9/2018 1:32:14 PM



#30
Chloroform
Concen: 18.88 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.5	78.7





#31

Cyclohexane

Concen: 18.07 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

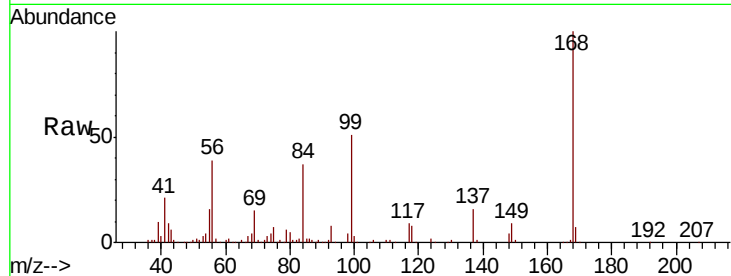
ClientSampled :

VN0808MBS01

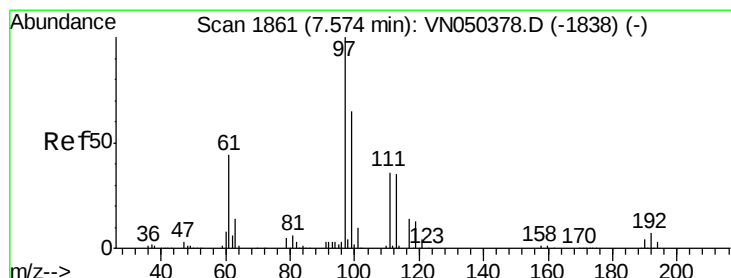
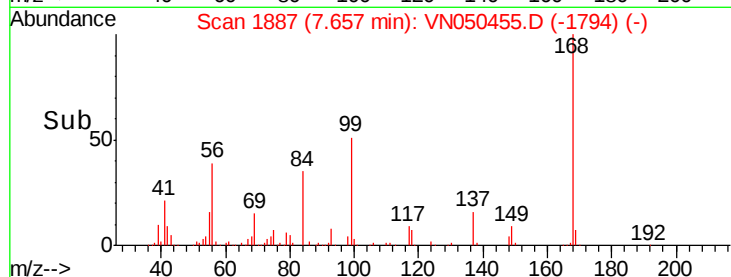
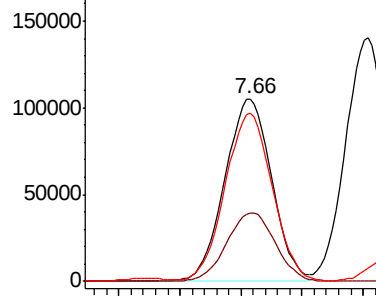
Tot Ion:	56	Resp:	280930
Ion Ratio	Lower	Upper	
56	100		
69	37.5	26.2	39.4
84	91.1	67.4	101.0

Manual Integrations
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8/9/2018 1:32:14 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.09 ug/l

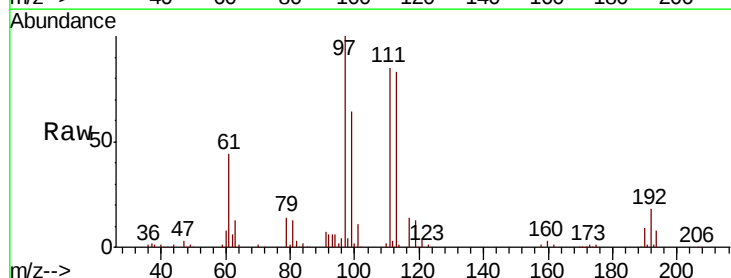
RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

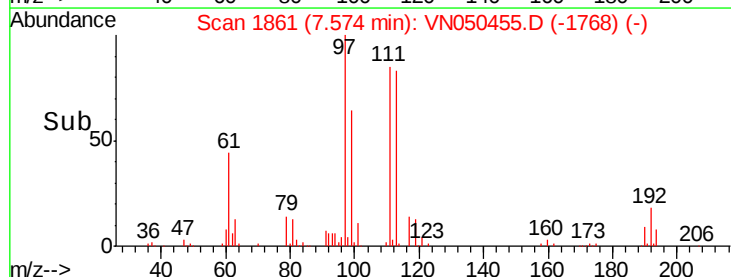
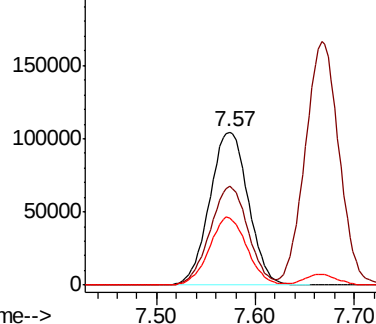
Lab File: VN050455.D

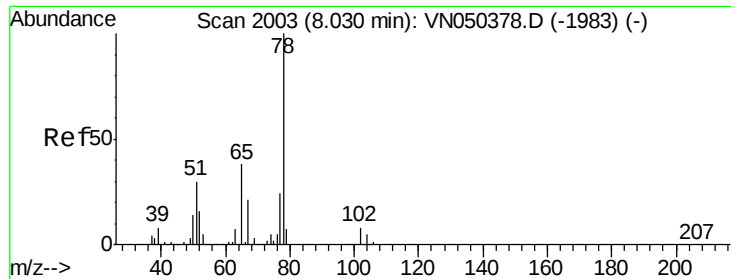
Acq: 8 Aug 2018 13:36

Tgt Ion:	97	Resp:	283132
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.4	77.0
61	43.2	35.4	53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





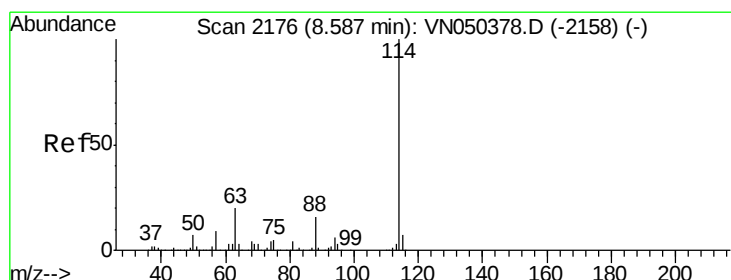
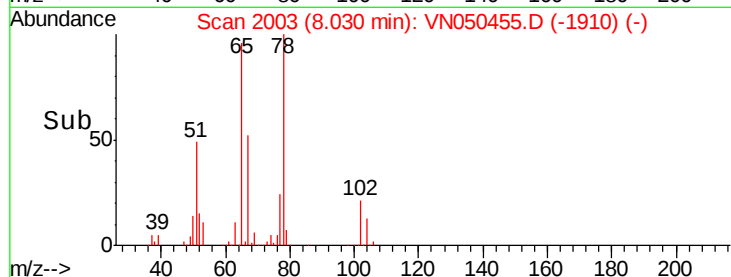
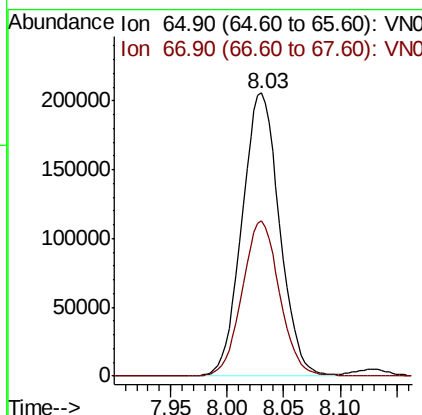
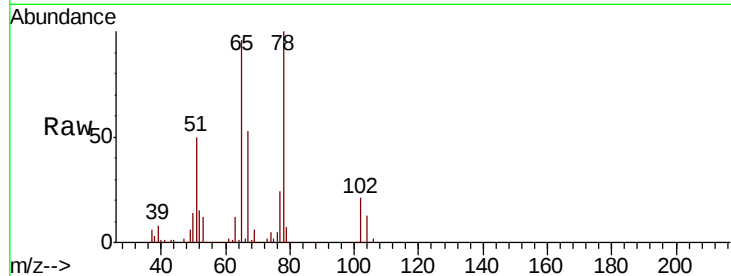
#33
 1,2-Dichloroethane-d4
 Concen: 44.84 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	475621		
67	54.6	0.0	108.4	

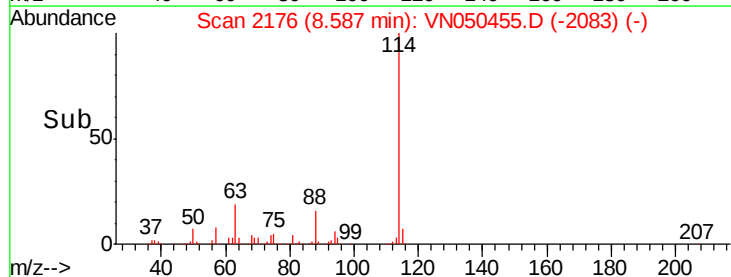
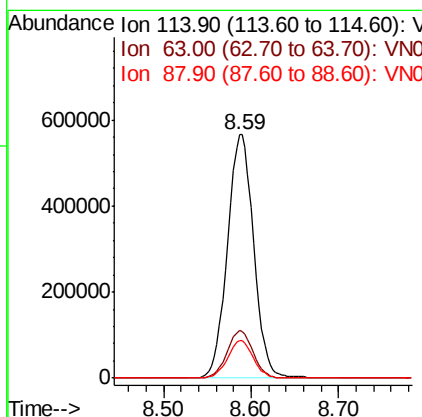
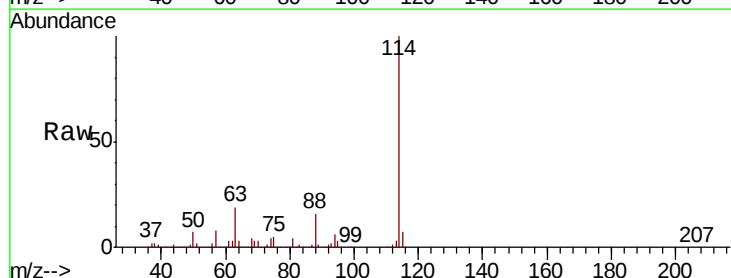
Manual Integrations
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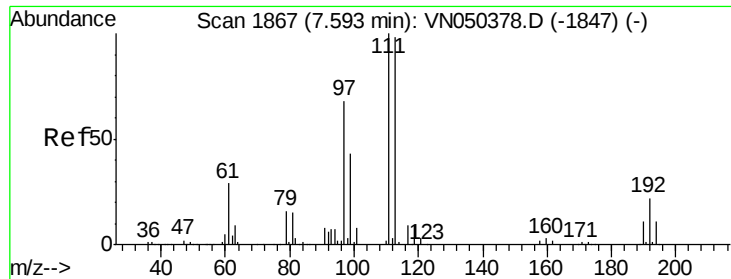
MMDadoda
 8/9/2018 1:32:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1179809		
63	19.4	0.0	40.0	
88	15.7	0.0	31.2	





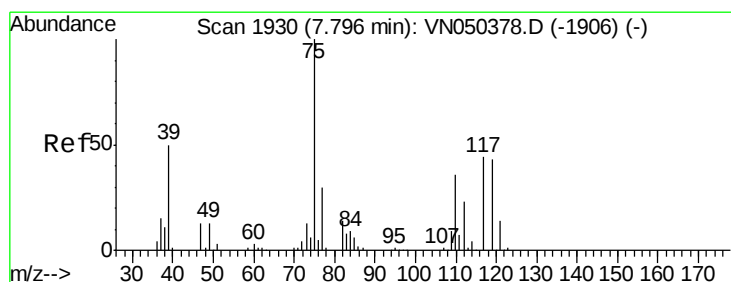
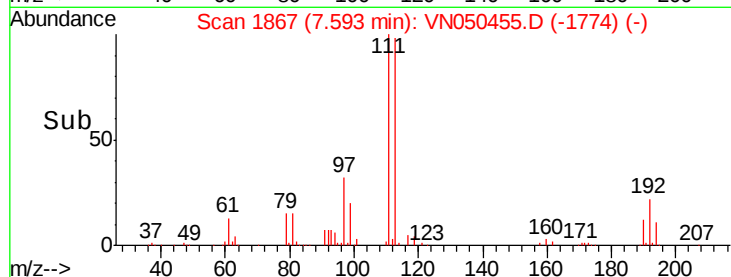
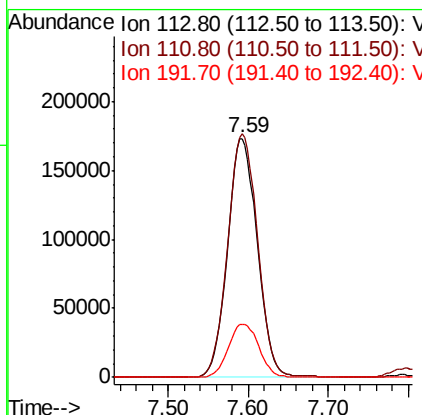
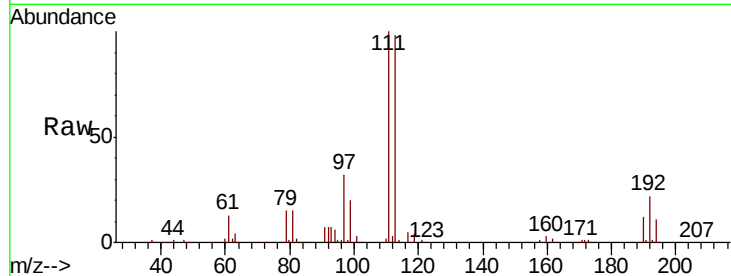
#35
 Dibromofluoromethane
 Concen: 46.17 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	80.7	121.1	
192	22.8	17.8	26.6	

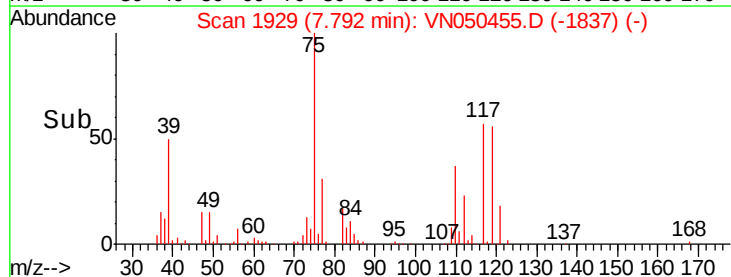
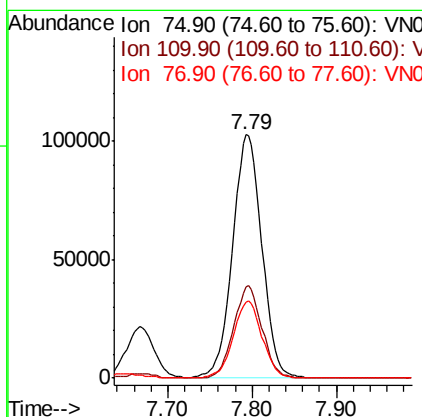
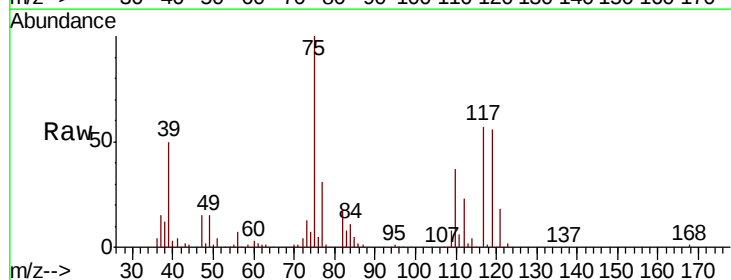
Manual Integrations
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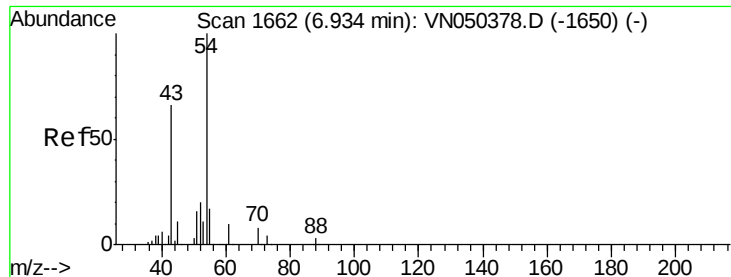
MMDadoda
 8/9/2018 1:32:14 PM



#36
 1,1-Dichloropropene
 Concen: 19.08 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.8	18.4	55.2	
77	31.3	25.3	37.9	





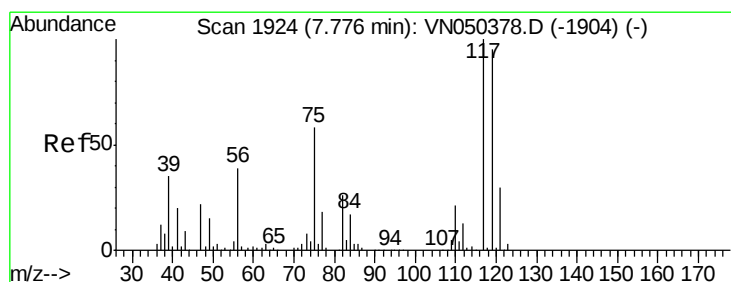
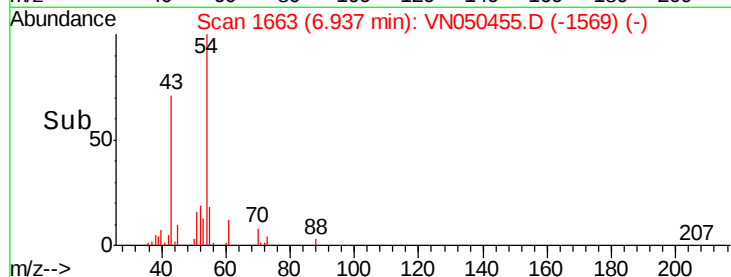
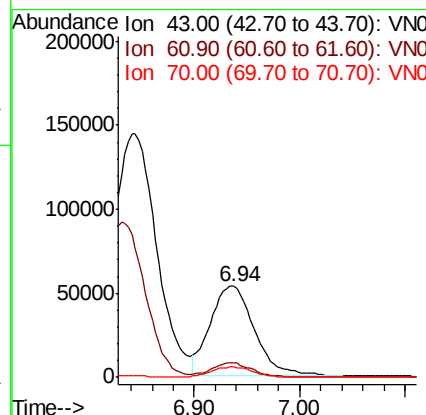
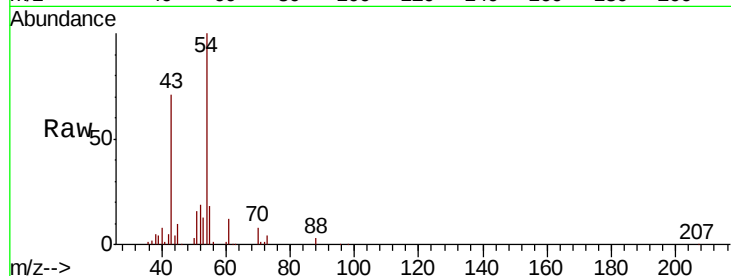
#37
Ethyl Acetate
Concen: 16.72 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.8
70	11.0	8.4	12.6

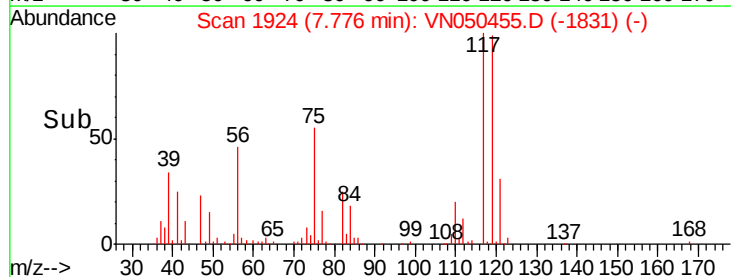
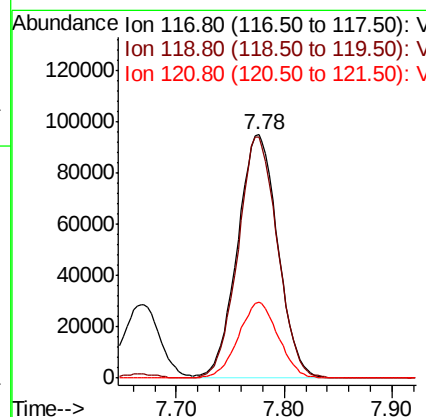
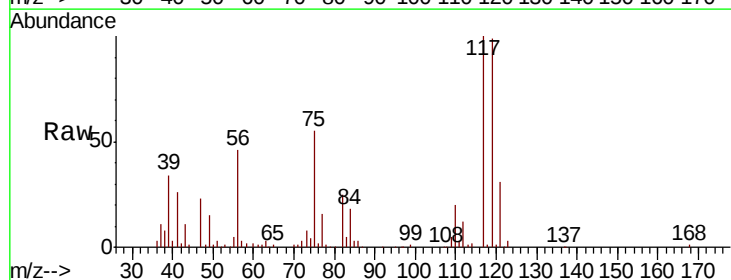
Manual Integrations
APPROVED

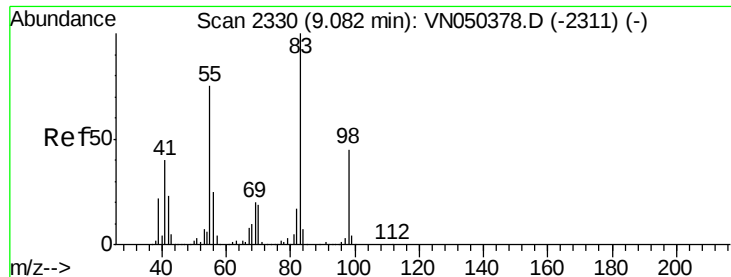
MMDadoda
8/9/2018 1:32:14 PM



#38
Carbon Tetrachloride
Concen: 18.30 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	77.4	116.0
121	31.0	23.9	35.9





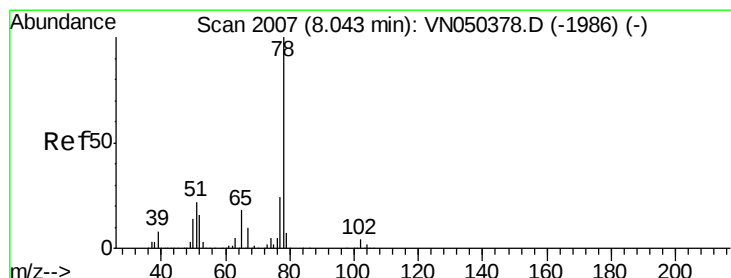
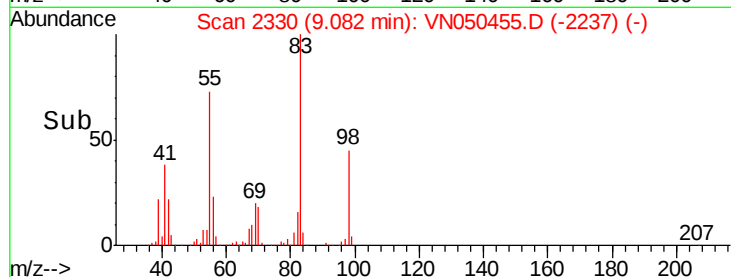
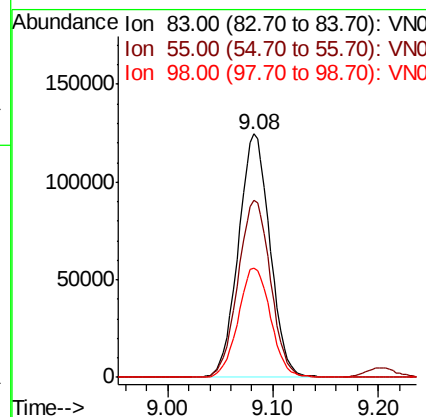
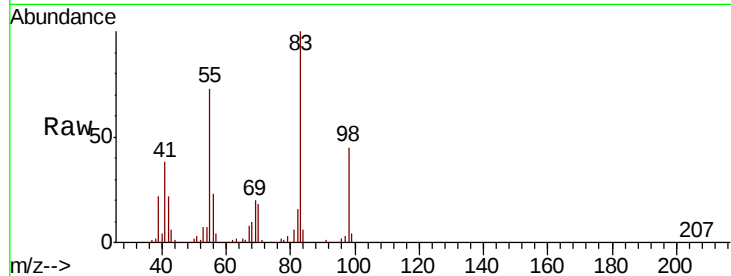
#39
Methvlcvclohexane
Concen: 18.29 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	61.8	92.8
98	45.0	36.5	54.7

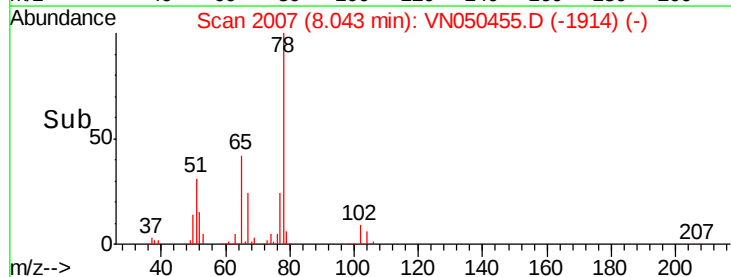
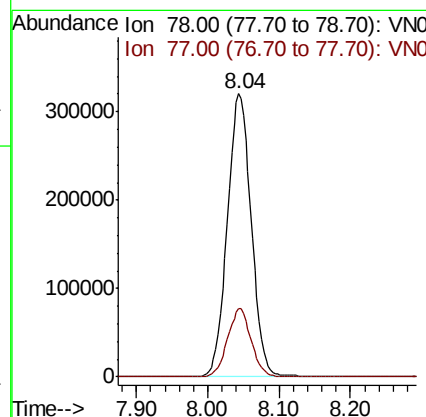
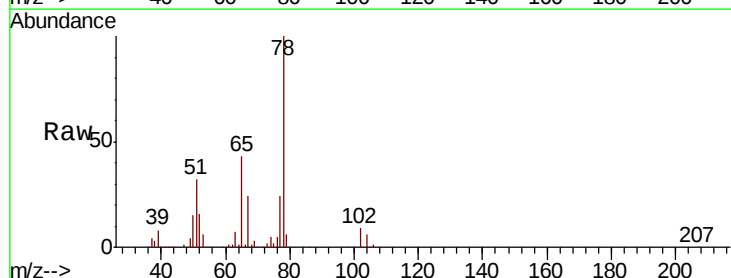
Manual Integrations
APPROVED

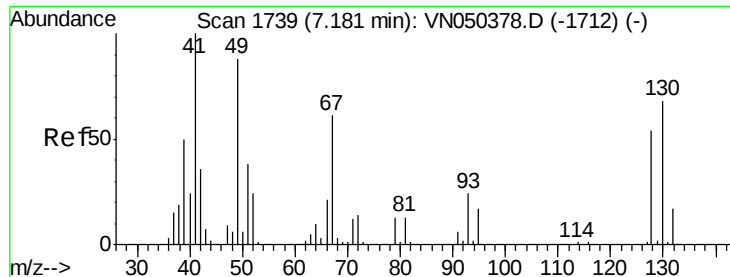
MMDadoda
8/9/2018 1:32:14 PM



#40
Benzene
Concen: 18.73 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1





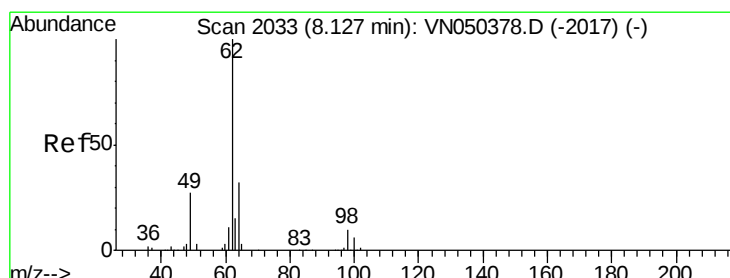
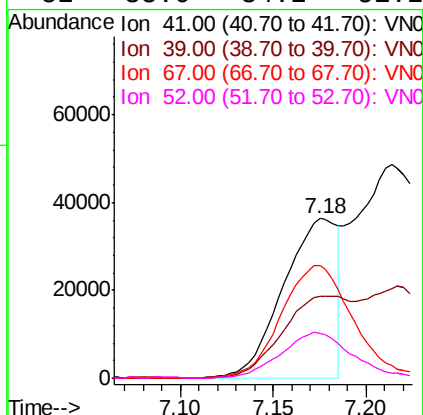
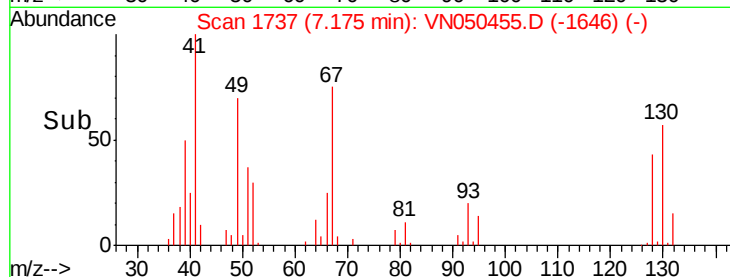
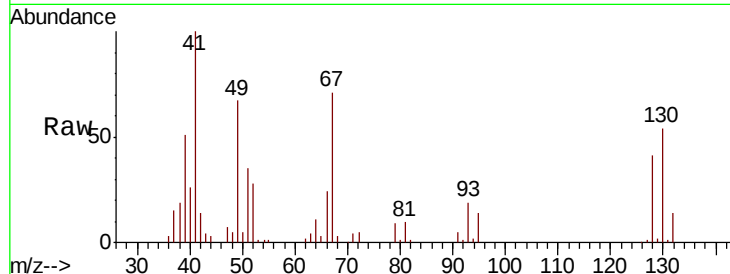
#41
Methacrylonitrile
Concen: 14.93 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	41	Resp	74121
Ion Ratio	Lower	Upper	
41	100		
39	66.5	55.8	83.6
67	93.8	84.3	126.5
52	38.0	34.2	51.2

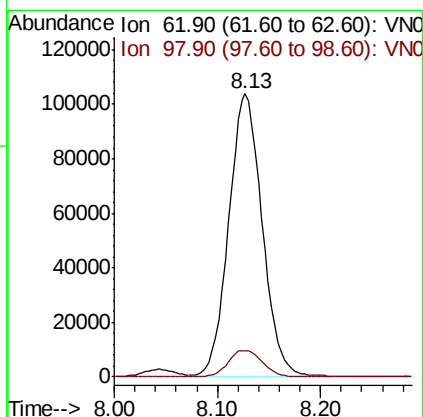
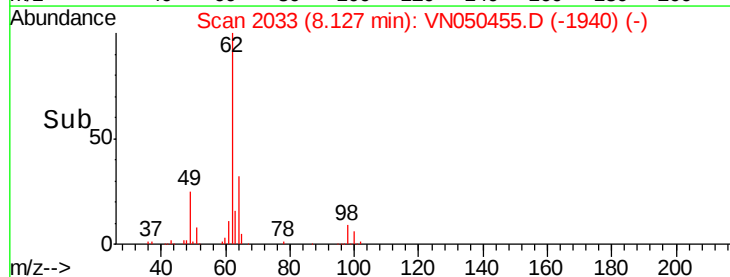
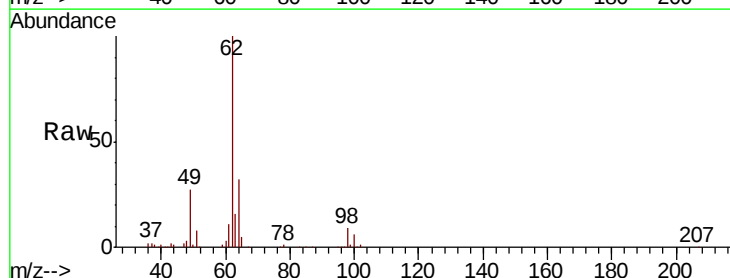
Manual Integrations
APPROVED

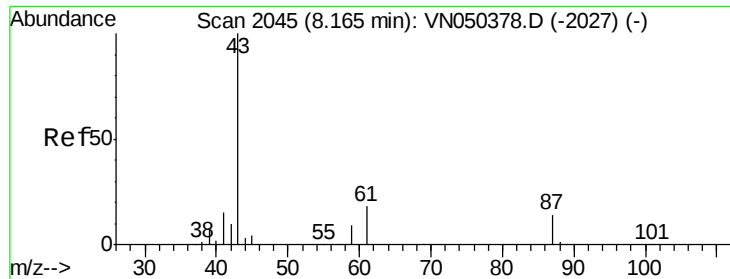
MMDadoda
8/9/2018 1:32:14 PM



#42
1,2-Dichloroethane
Concen: 18.44 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	62	Resp	233291
Ion Ratio	Lower	Upper	
62	100		
98	9.6	0.0	18.8





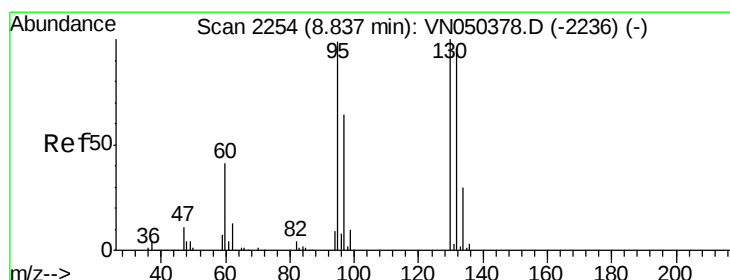
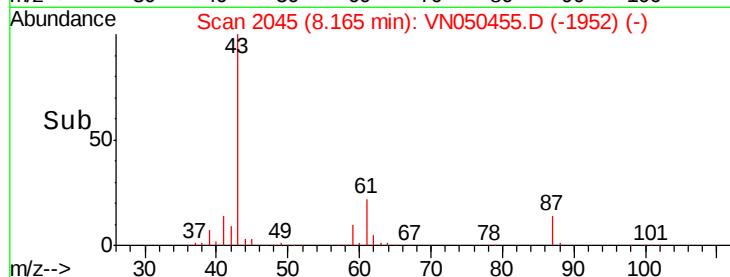
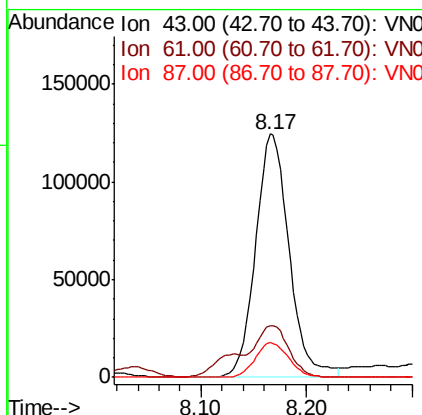
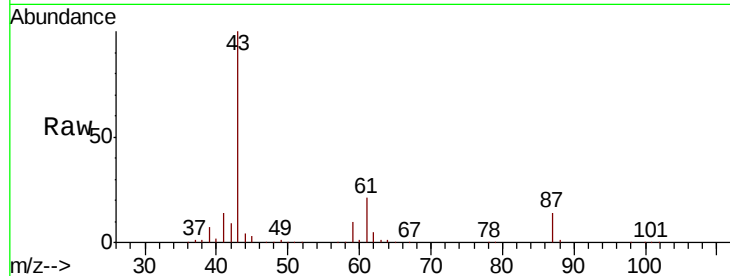
#43
Isopropyl Acetate
Concen: 17.05 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.8	23.6
87	14.3	10.3	15.5

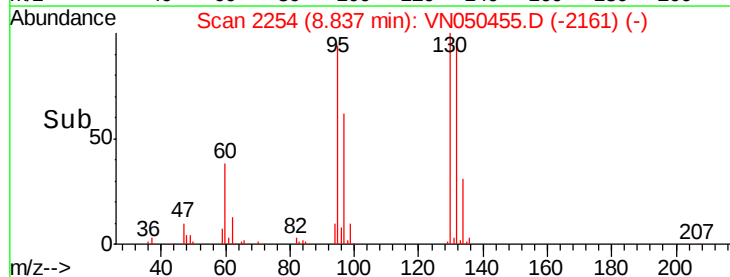
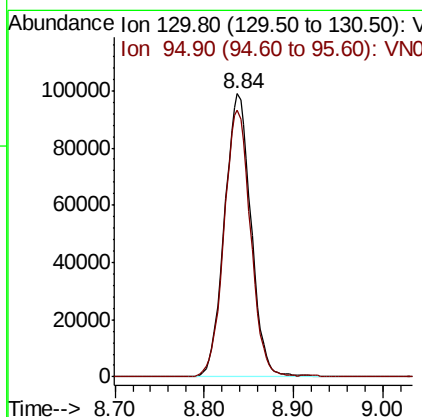
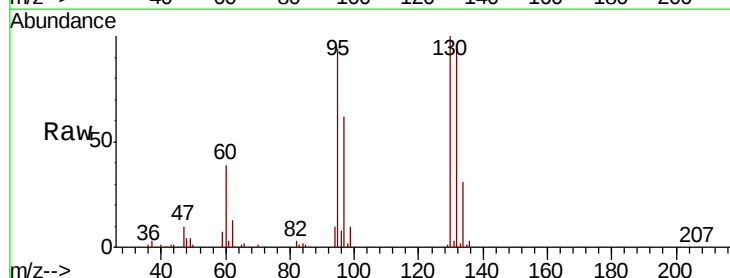
Manual Integrations
APPROVED

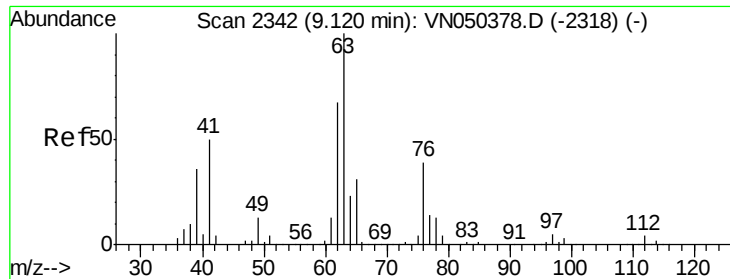
MMDadoda
8/9/2018 1:32:14 PM



#44
Trichloroethene
Concen: 19.02 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	194.6





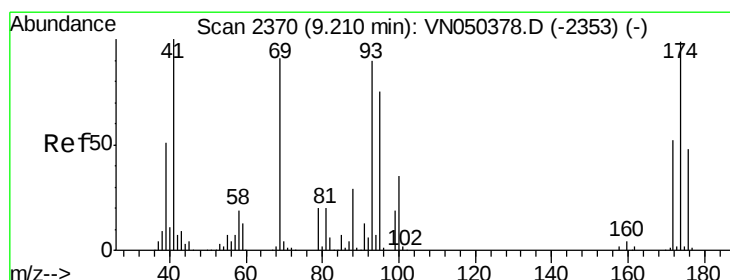
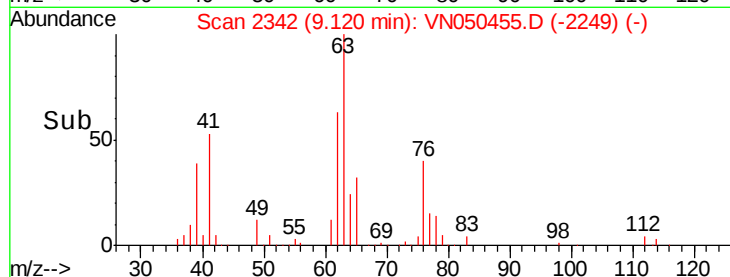
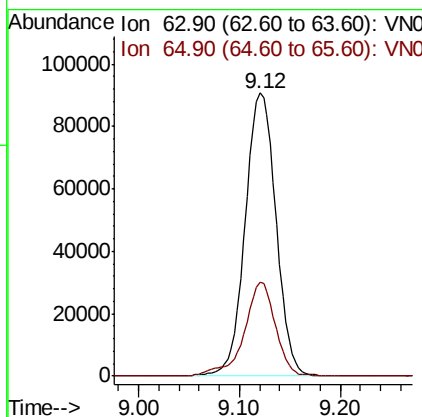
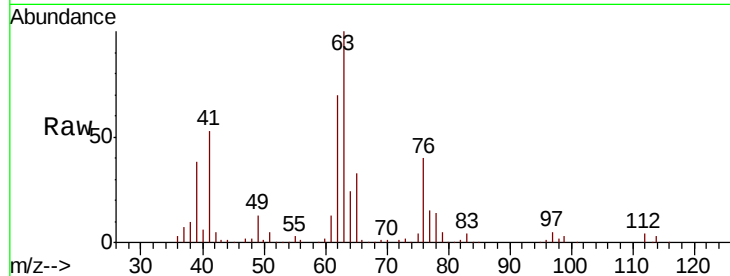
#45
 1,2-Dichloropropane
 Concen: 18.28 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0808MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.0	25.5	38.3

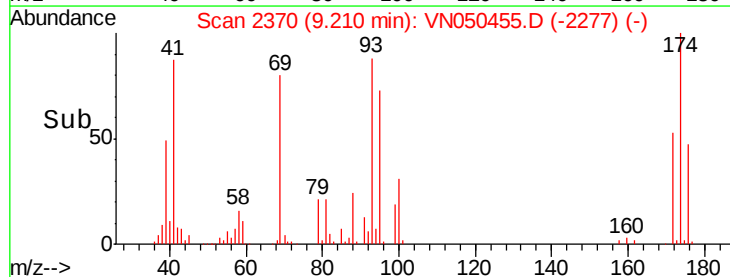
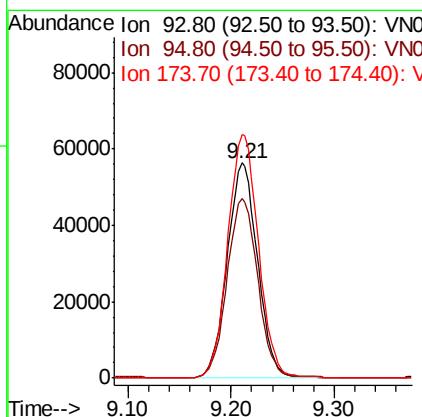
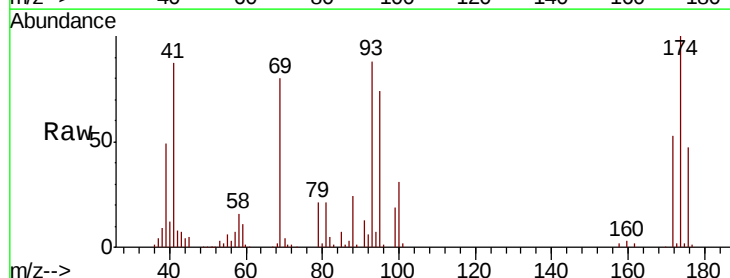
Manual Integrations
 APPROVED

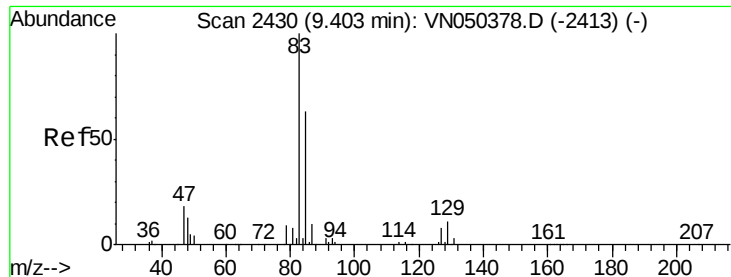
MMDadoda
 8/9/2018 1:32:14 PM



#46
 Dibromomethane
 Concen: 17.94 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.6	100.0
174	114.2	87.1	130.7





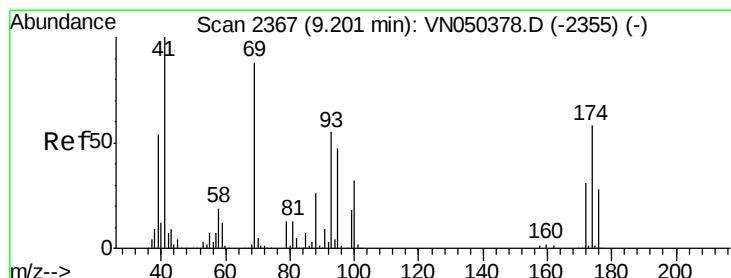
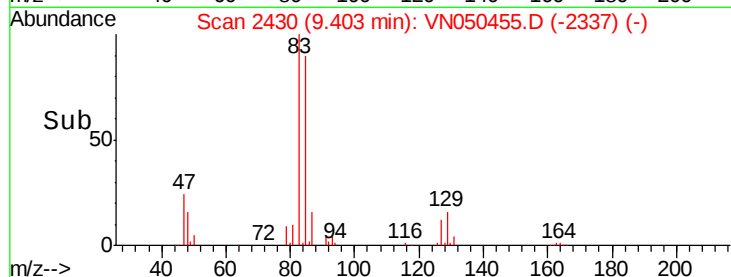
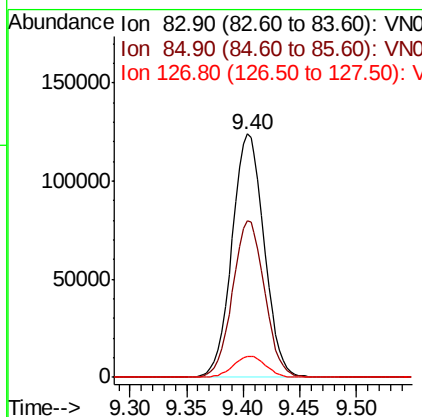
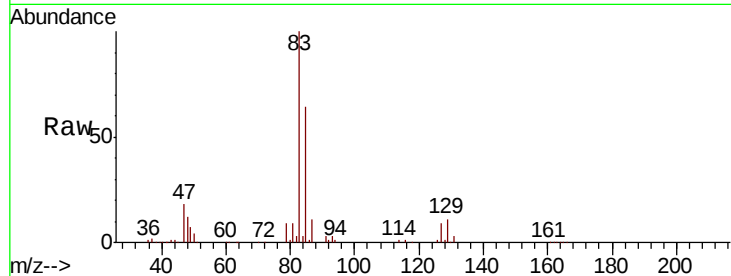
#47
Bromodichloromethane
Concen: 18.34 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	245795		
85	64.3	51.1	76.7	
127	8.8	7.0	10.4	

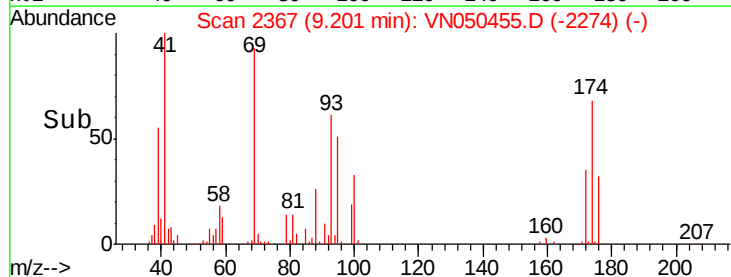
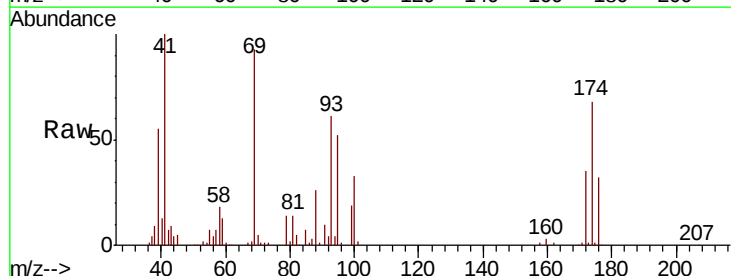
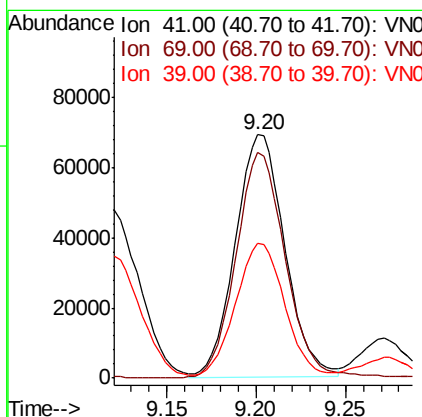
Manual Integrations
APPROVED

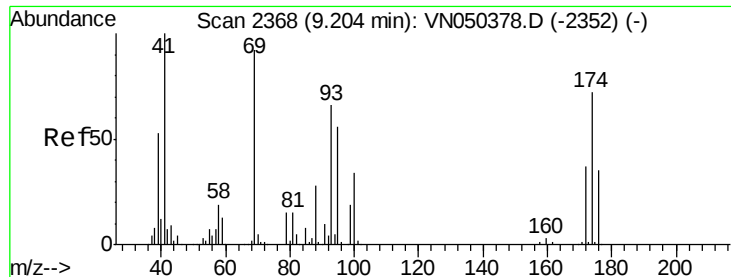
MMDadoda
8/9/2018 1:32:14 PM



#48
Methyl methacrylate
Concen: 16.61 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	134171		
69	93.9	70.6	105.8	
39	55.2	43.9	65.9	





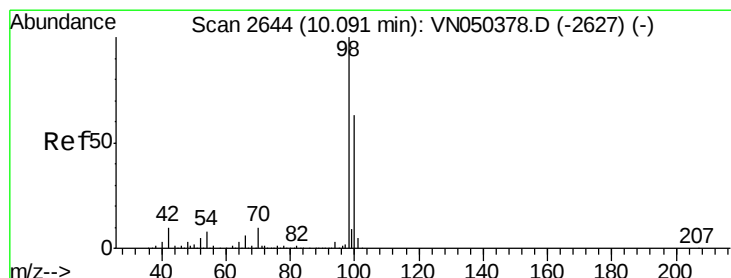
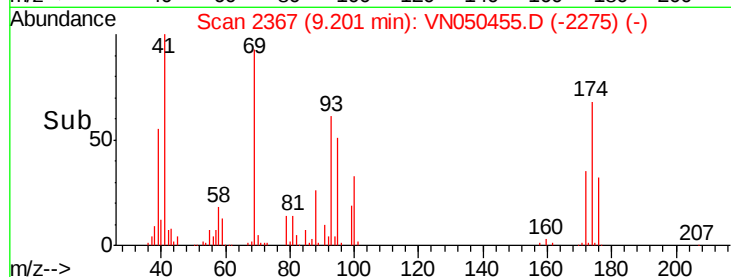
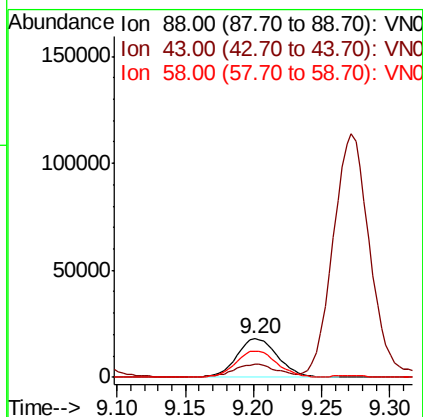
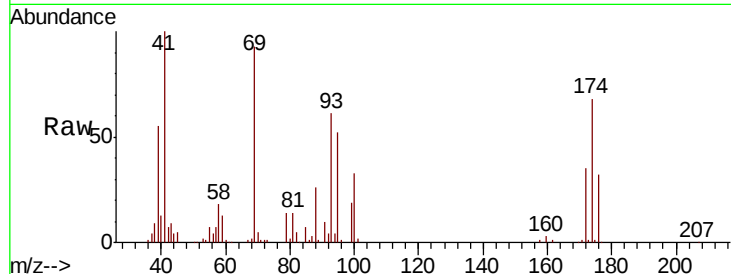
#49
1,4-Dioxane
Concen: 305.11 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	26.9	40.3
58	68.9	57.3	85.9

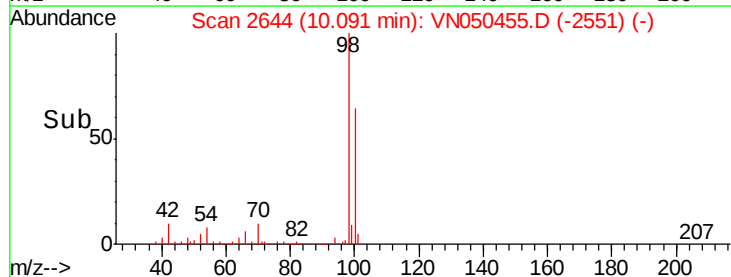
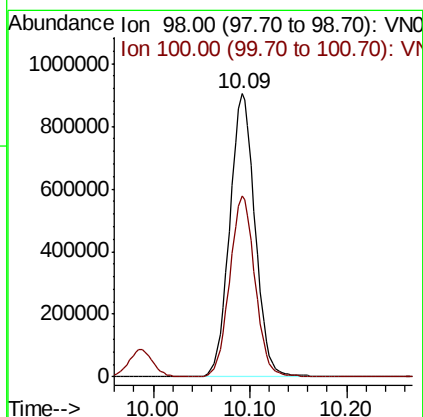
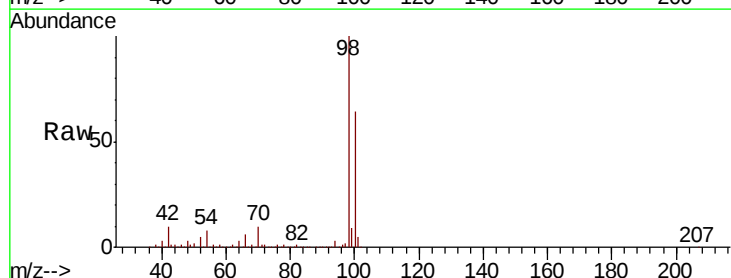
Manual Integrations
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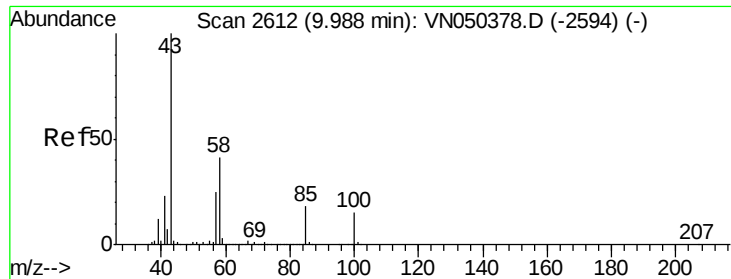
MMDadoda
8/9/2018 1:32:14 PM



#50
Toluene-d8
Concen: 46.12 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.7	76.1





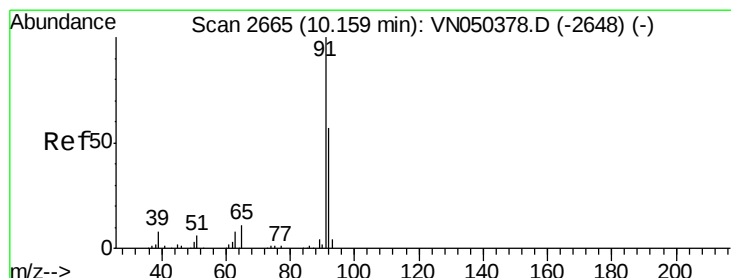
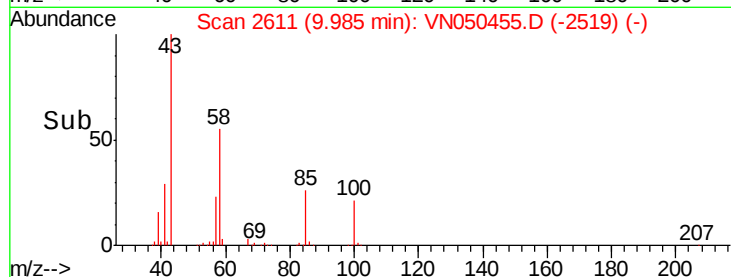
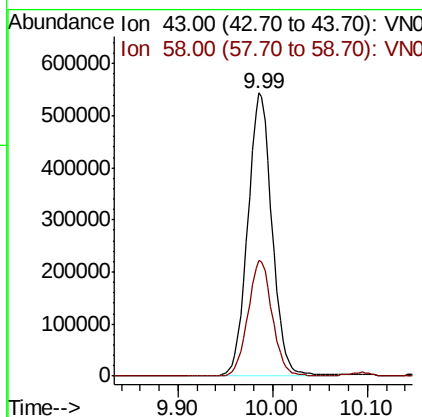
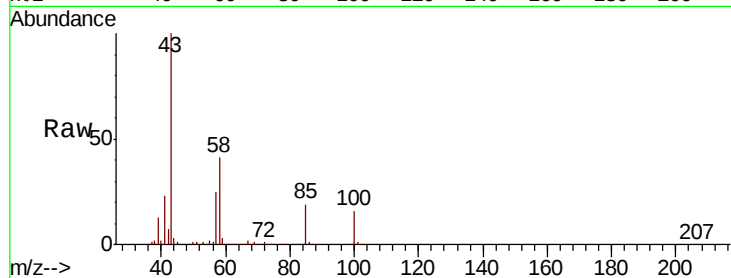
#51
 4-Methyl-2-Pentanone
 Concen: 83.37 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	31.9	47.9

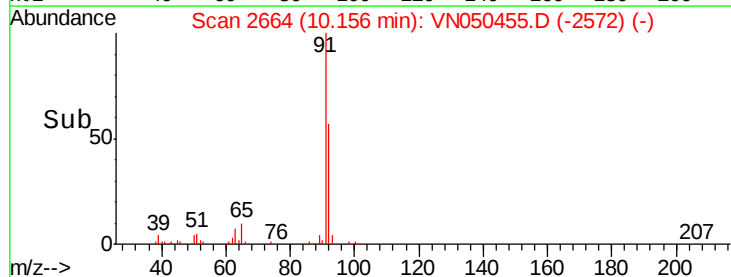
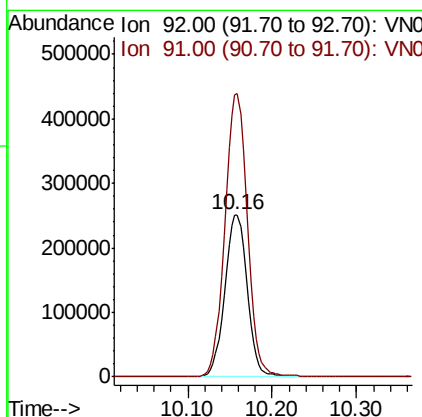
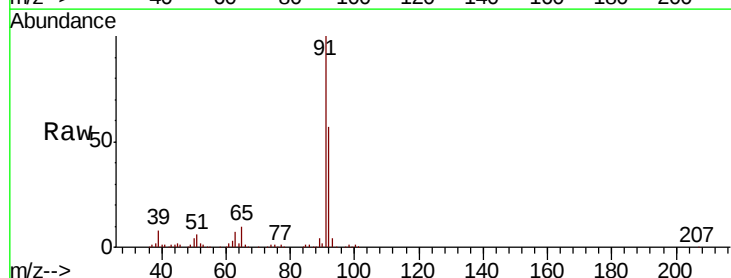
Manual Integrations
 APPROVED

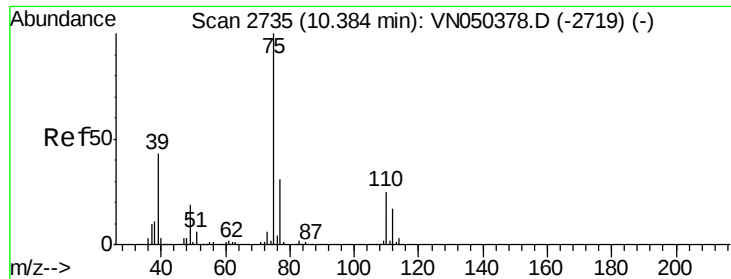
MMDadoda
 8/9/2018 1:32:14 PM



#52
 Toluene
 Concen: 19.44 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.0	140.3	210.5





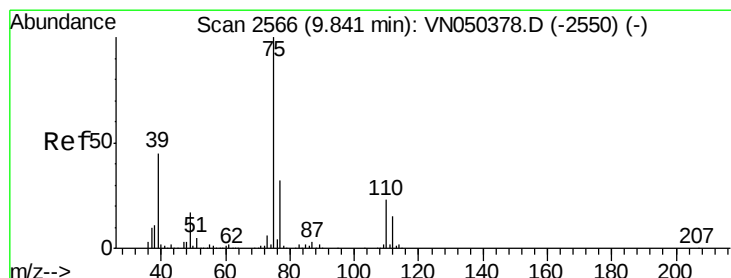
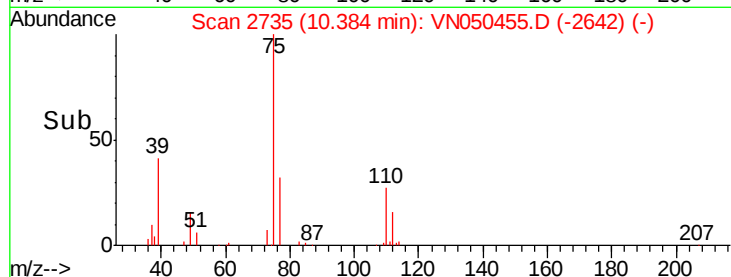
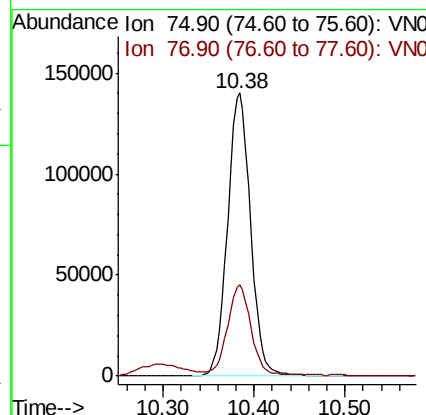
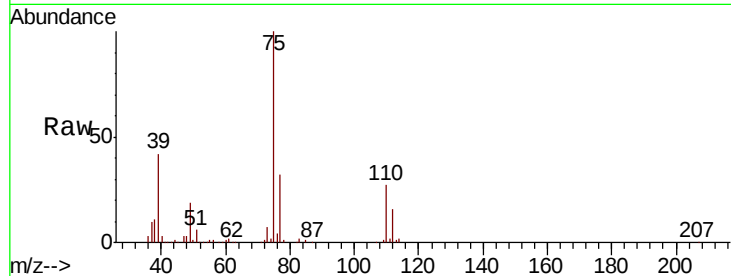
#53
t-1,3-Dichloropropene
Concen: 18.34 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.9	37.3

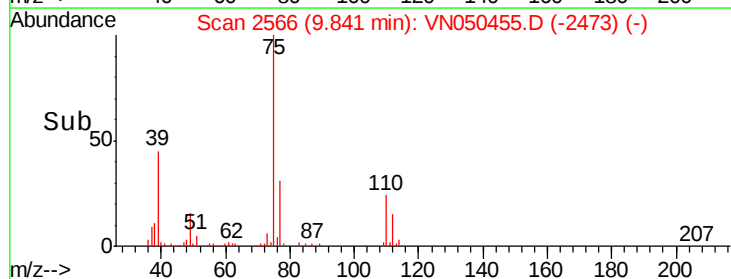
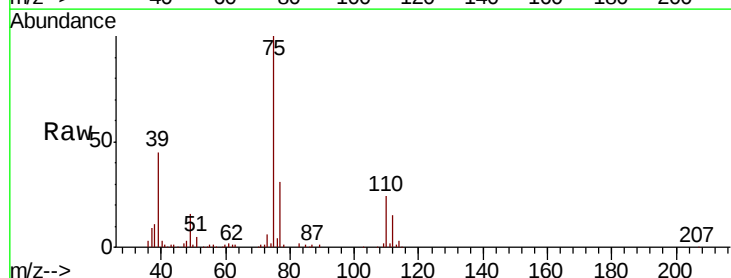
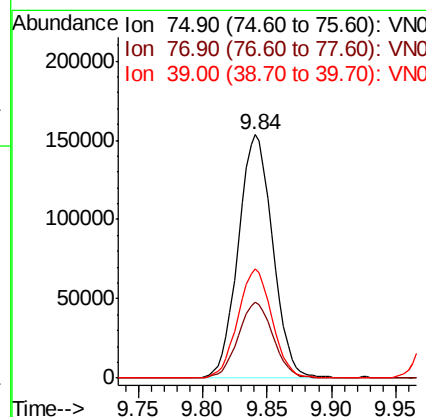
Manual Integrations
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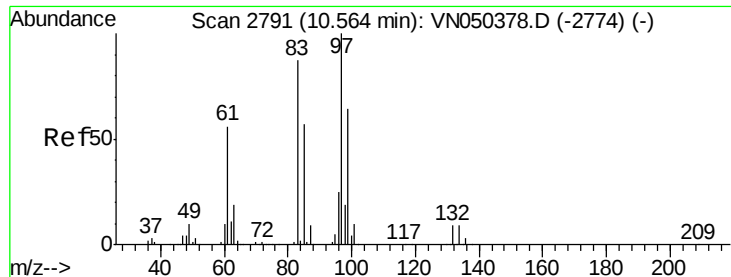
MMDadoda
8/9/2018 1:32:14 PM



#54
cis-1,3-Dichloropropene
Concen: 19.05 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.5	38.3
39	44.6	36.6	55.0





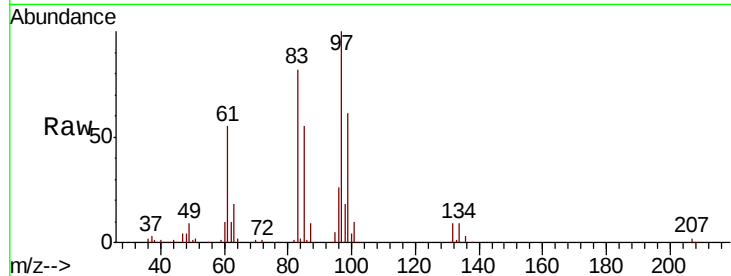
#55
 1,1,2-Trichloroethane
 Concen: 18.39 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0808MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.4	69.2	103.8
85	54.9	44.0	66.0
99	60.8	49.9	74.9

Manual Integrations
 APPROVED

MMDadoda
 8/9/2018 1:32:14 PM



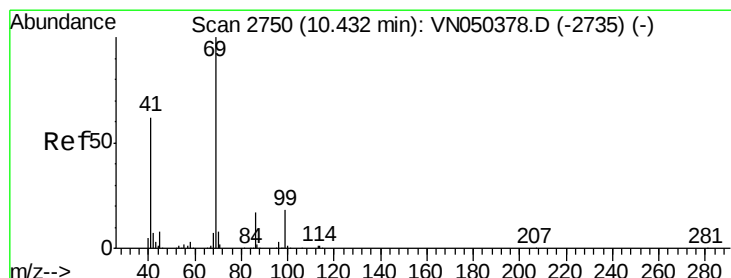
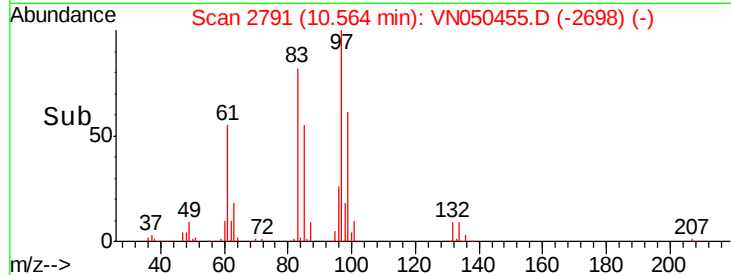
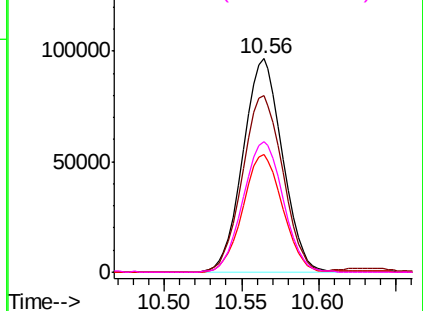
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

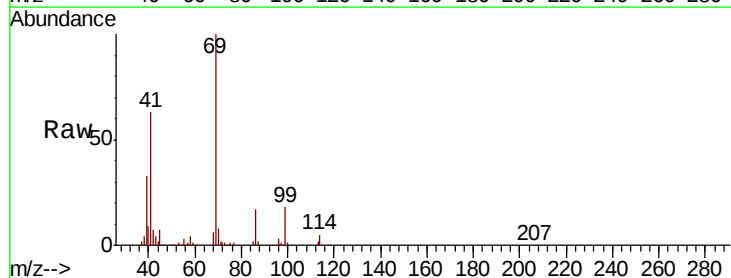
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 17.29 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.7	51.0	76.4
39	32.5	26.6	40.0

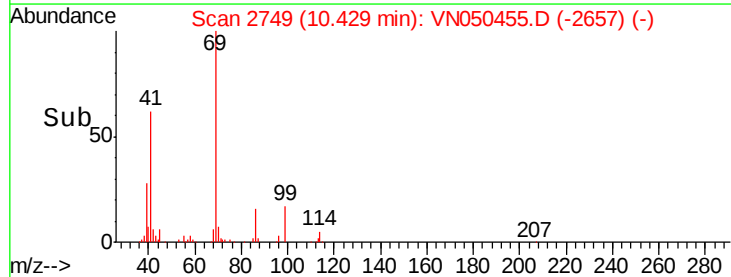
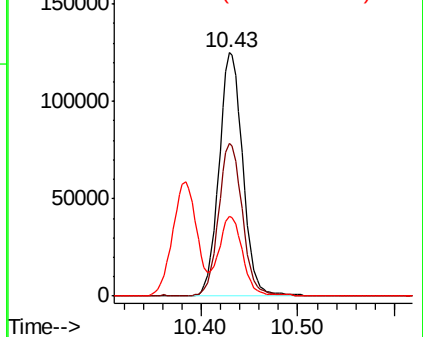


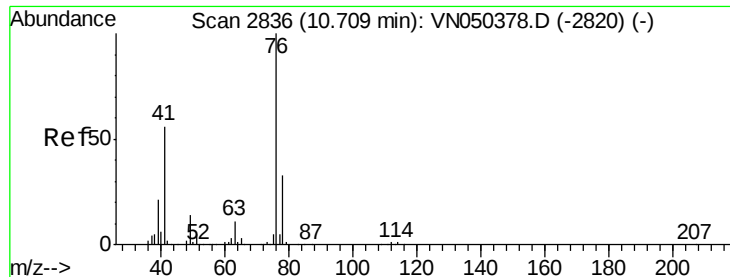
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





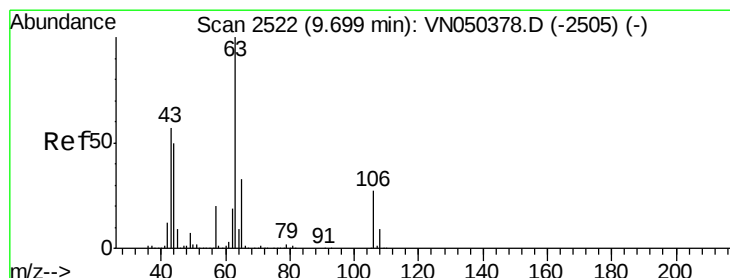
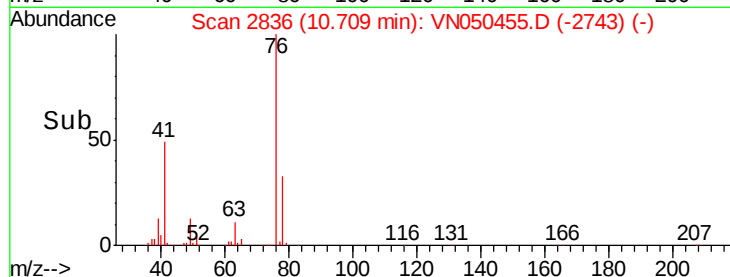
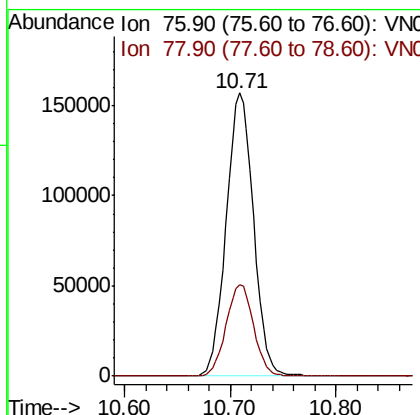
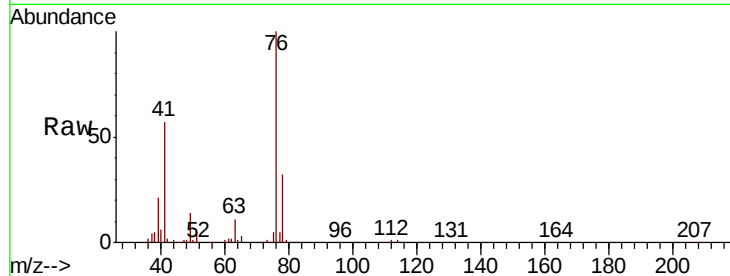
#57
 1,3-Dichloropropane
 Concen: 18.27 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

Tot Ion: 76 Resp: 280283
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5

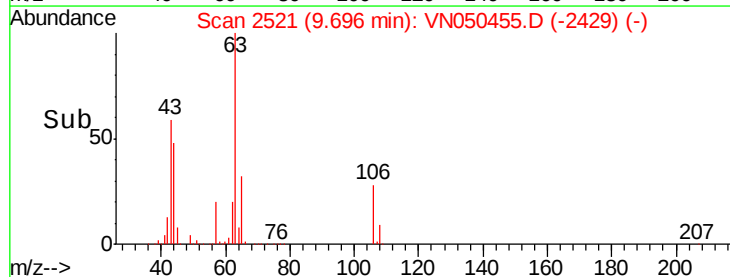
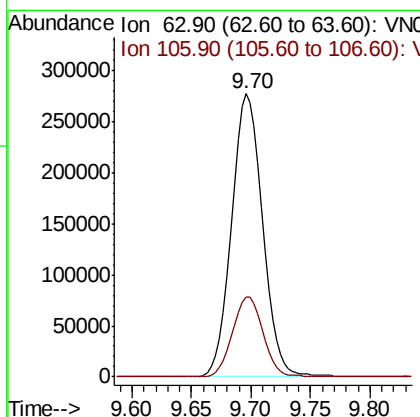
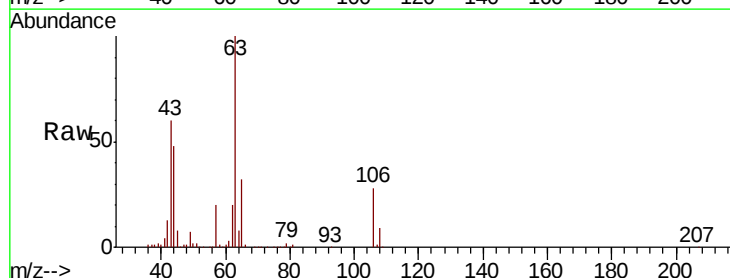
Manual Integrations
 APPROVED

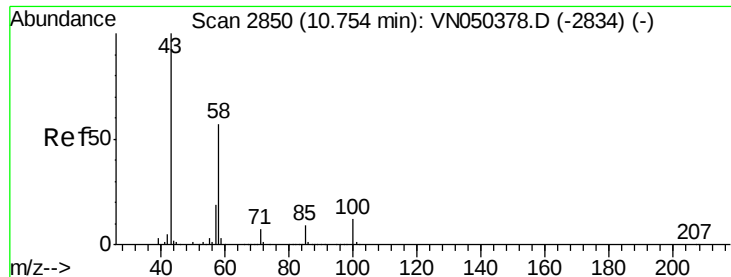
MMDadoda
 8/9/2018 1:32:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.46 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion: 63 Resp: 502287
 Ion Ratio Lower Upper
 63 100
 106 28.1 21.7 32.5





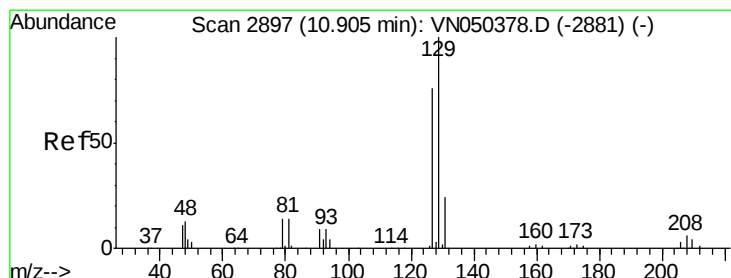
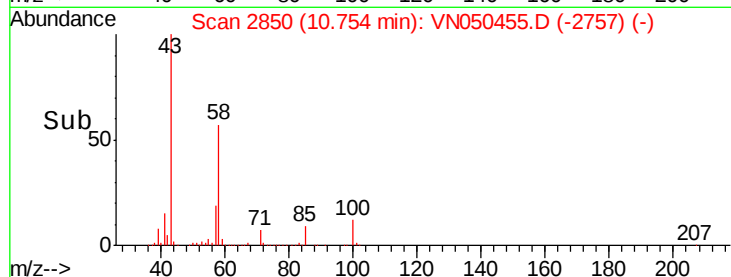
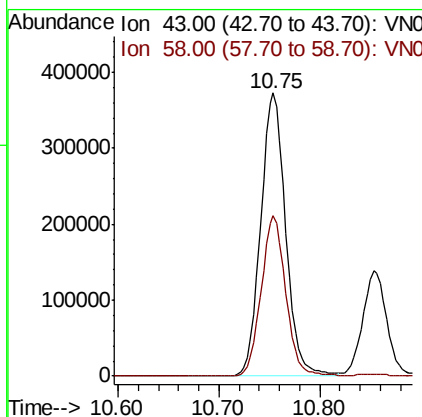
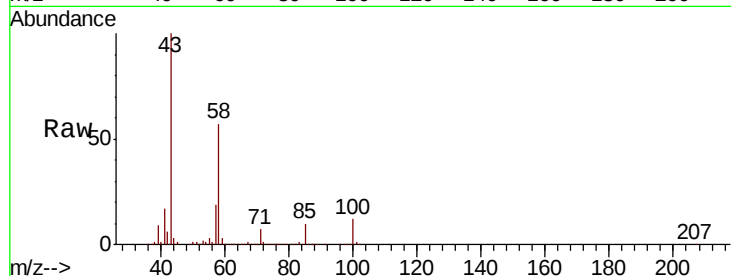
#59
2-Hexanone
Concen: 79.02 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion: 43 Resp: 640060
Ion Ratio Lower Upper
43 100
58 55.8 27.6 82.7

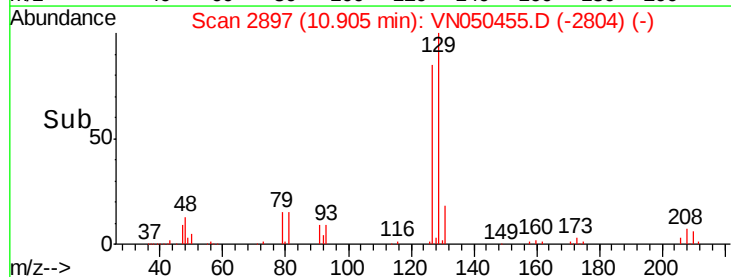
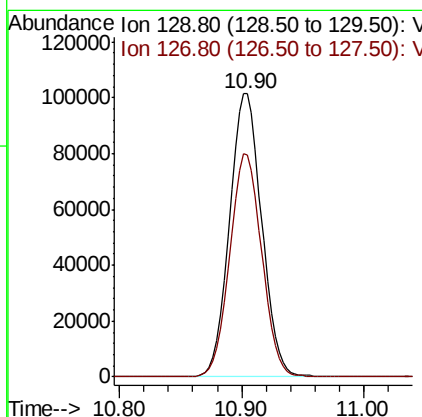
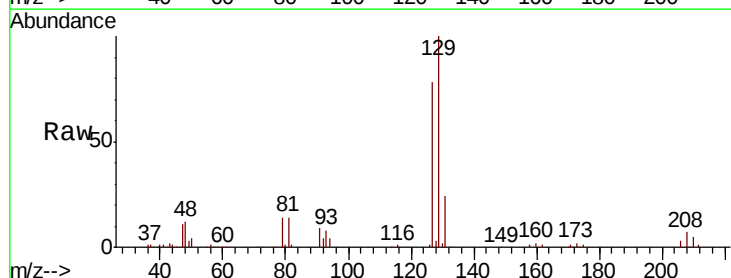
Manual Integrations
APPROVED

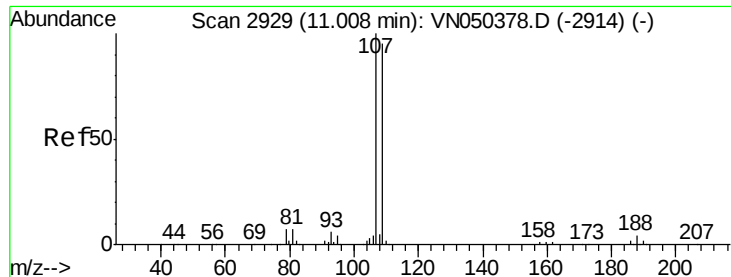
MMDadoda
8/9/2018 1:32:14 PM



#60
Dibromochloromethane
Concen: 18.08 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion: 129 Resp: 186136
Ion Ratio Lower Upper
129 100
127 78.3 38.0 113.9





#61

1,2-Dibromoethane

Concen: 18.35 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampled :

VN0808MBS01

Tot Ion: 107 Resp: 169053

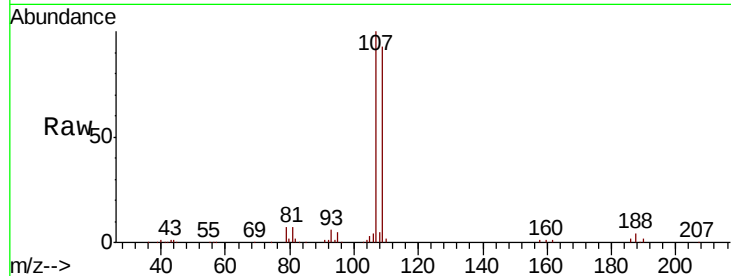
Ion Ratio Lower Upper

107 100

109 93.8 74.6 112.0

Manual Integrations
APPROVED

MMDadoda
8/9/2018 1:32:14 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

100000

80000

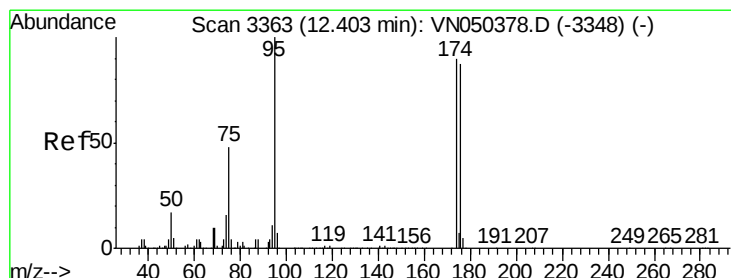
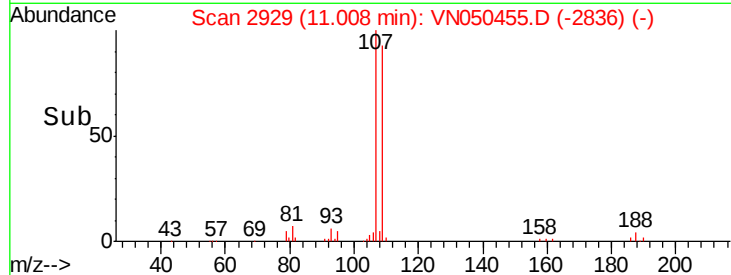
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.83 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

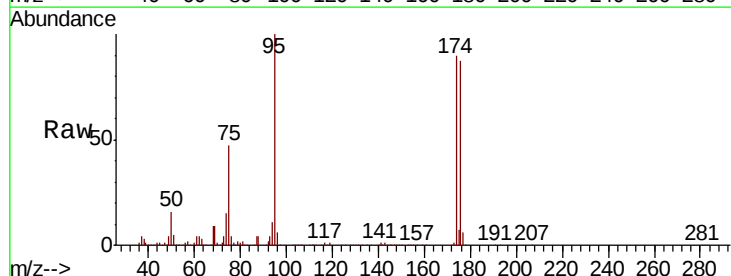
Tgt Ion: 95 Resp: 543778

Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.2

176 87.9 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

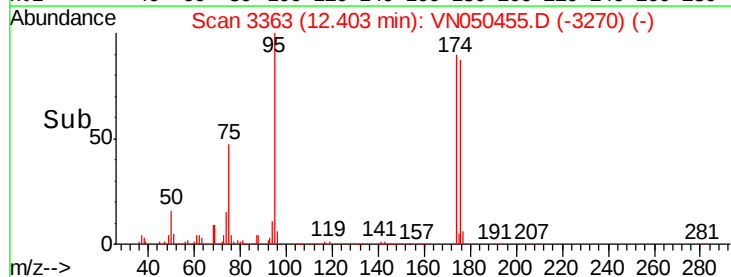
300000

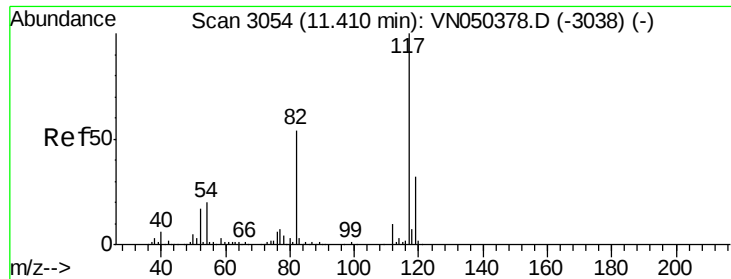
200000

100000

0

Time-->





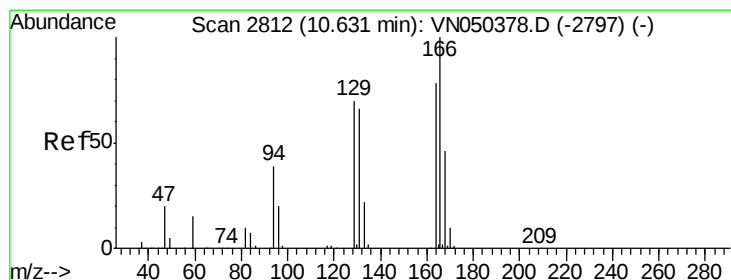
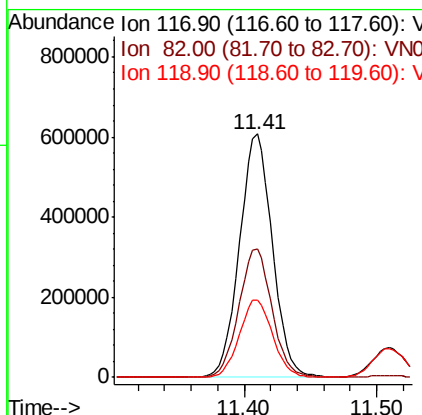
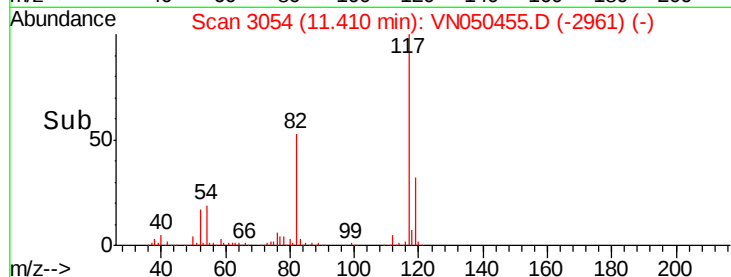
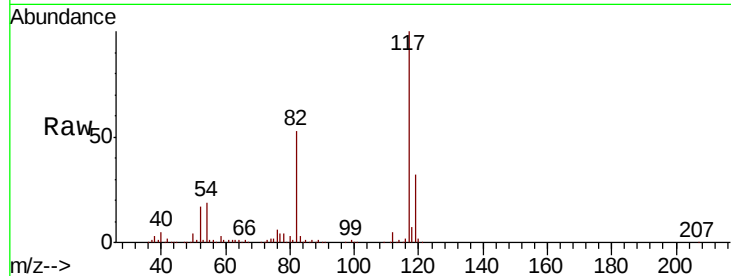
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion:117 Resp: 1046556
Ion Ratio Lower Upper
117 100
82 53.0 43.7 65.5
119 31.9 26.1 39.1

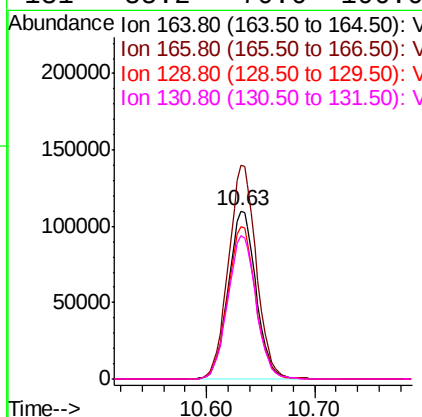
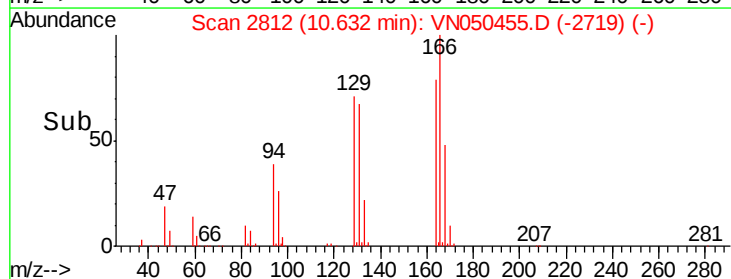
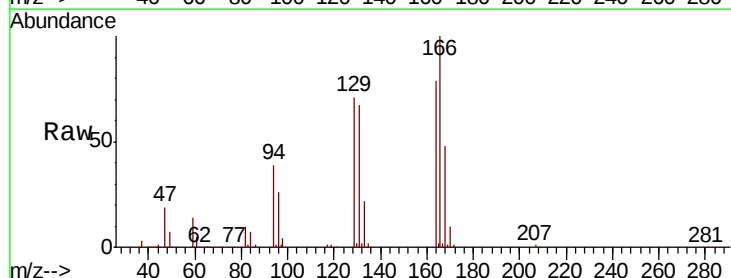
Manual Integrations
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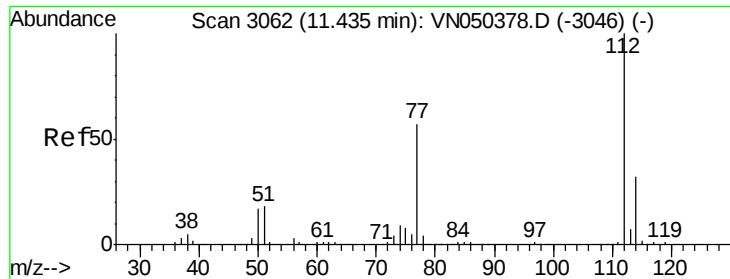
MMDadoda
8/9/2018 1:32:14 PM



#64
Tetrachloroethene
Concen: 20.16 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion:164 Resp: 197125
Ion Ratio Lower Upper
164 100
166 127.3 102.1 153.1
129 90.9 73.2 109.8
131 85.2 70.6 106.0





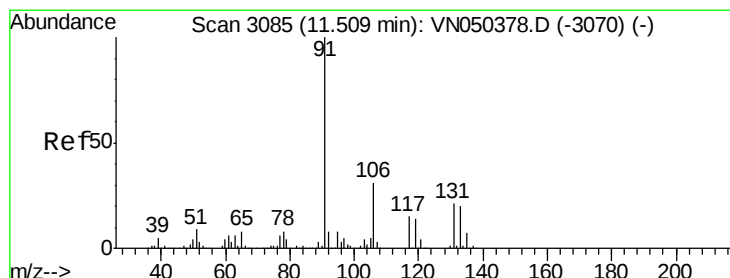
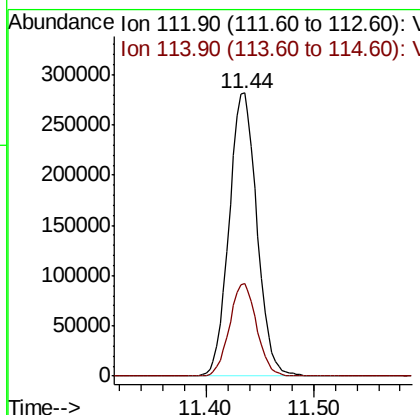
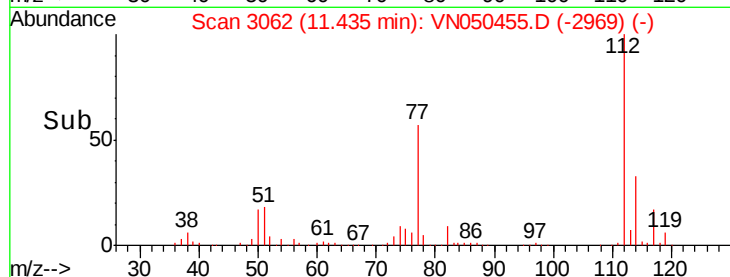
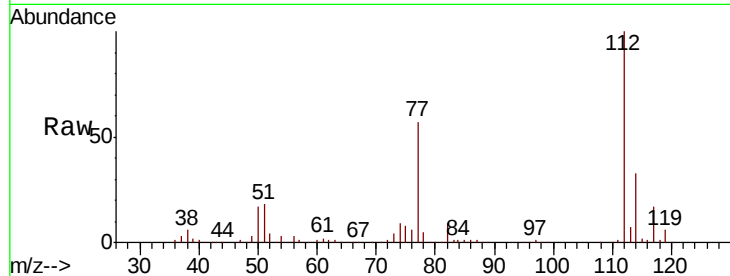
#65
Chlorobenzene
Concen: 19.23 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion:112 Resp: 504490
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4

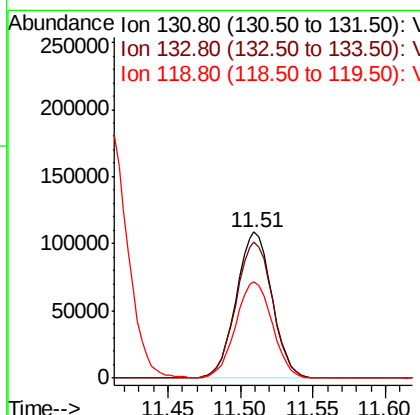
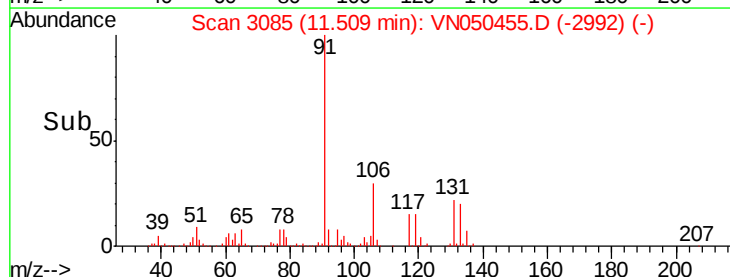
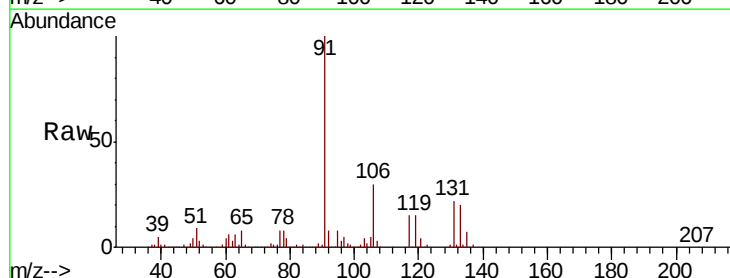
Manual Integrations
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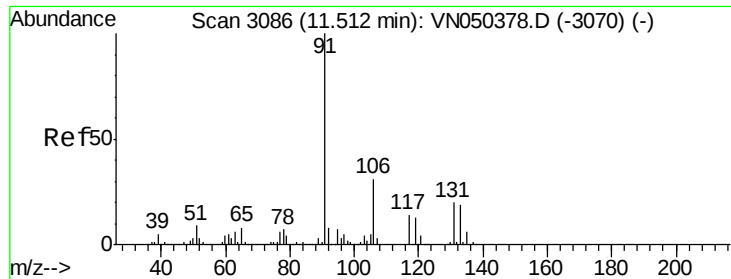
MMDadoda
8/9/2018 1:32:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.58 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion:131 Resp: 186929
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 67.3 32.9 98.7





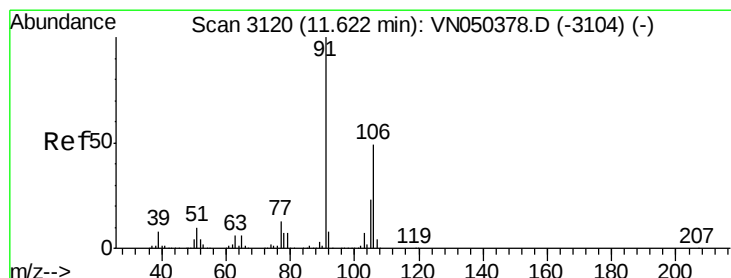
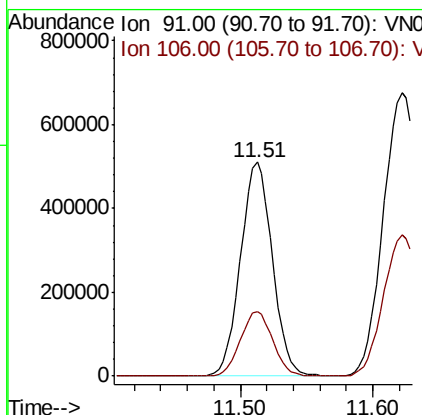
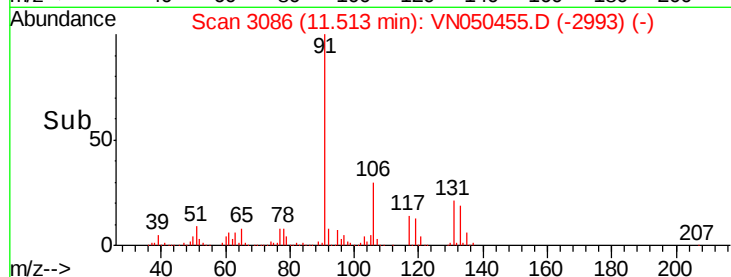
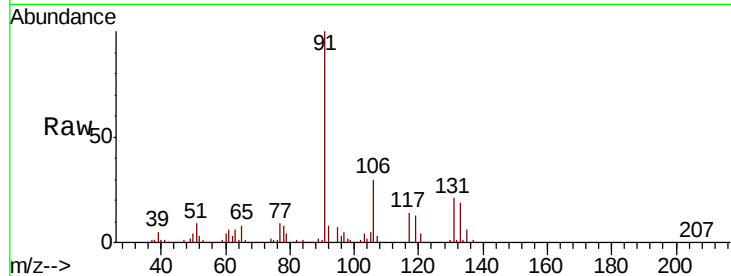
#67
Ethyl Benzene
Concen: 20.10 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion: 91 Resp: 852540
Ion Ratio Lower Upper
91 100
106 30.2 25.0 37.4

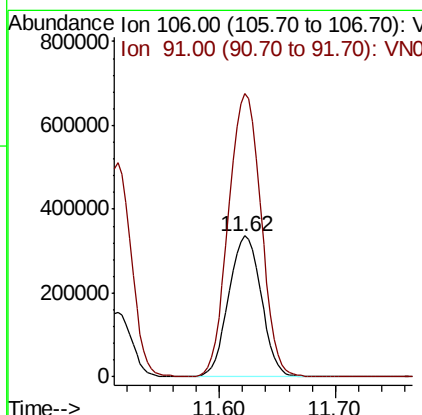
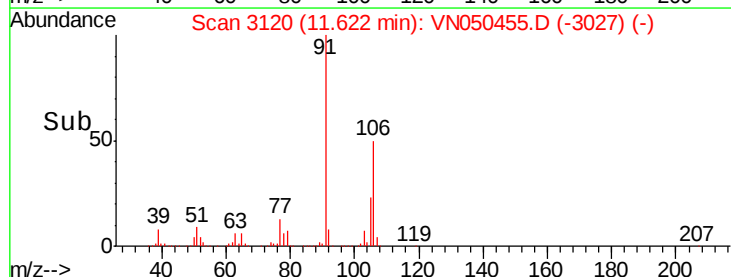
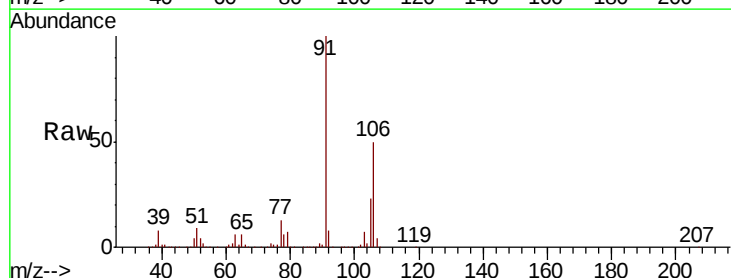
Manual Integrations
APPROVED

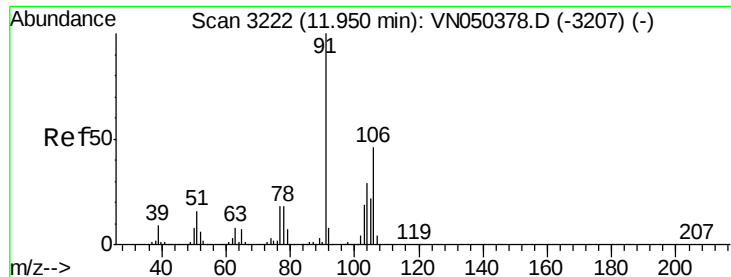
MMDadoda
8/9/2018 1:32:14 PM



#68
m/p-Xylenes
Concen: 40.63 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion: 106 Resp: 656031
Ion Ratio Lower Upper
106 100
91 200.4 162.2 243.2





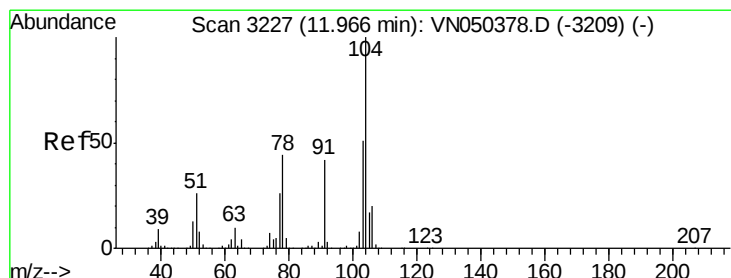
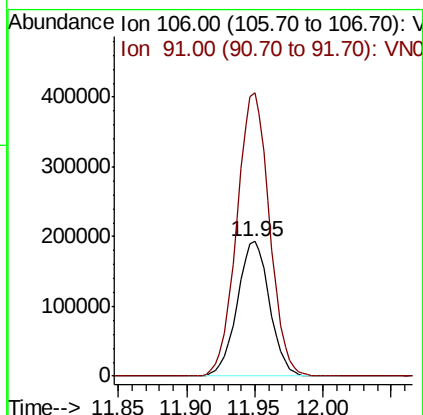
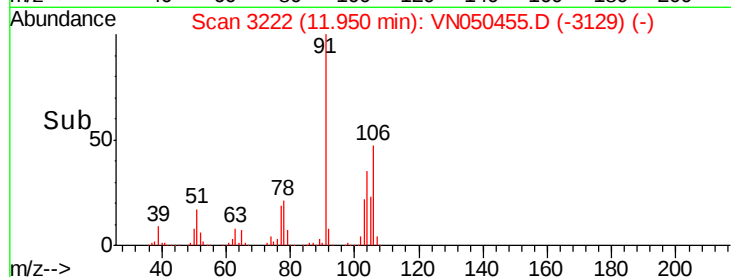
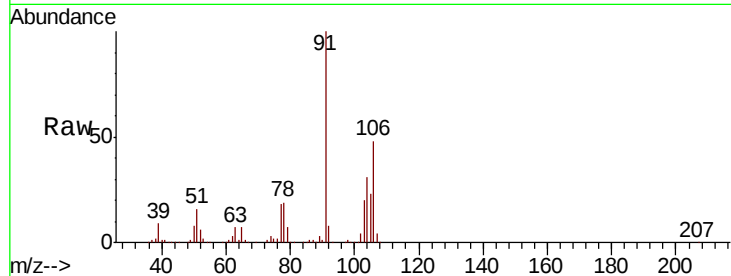
#69
o-Xylene
Concen: 20.47 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.9	107.7	323.1

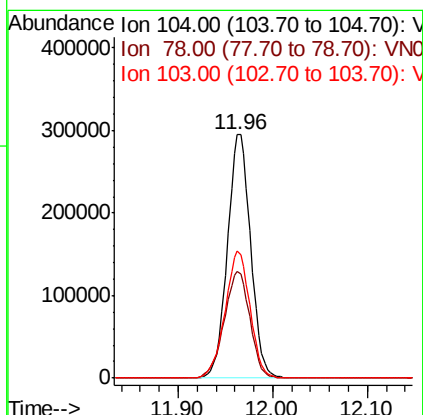
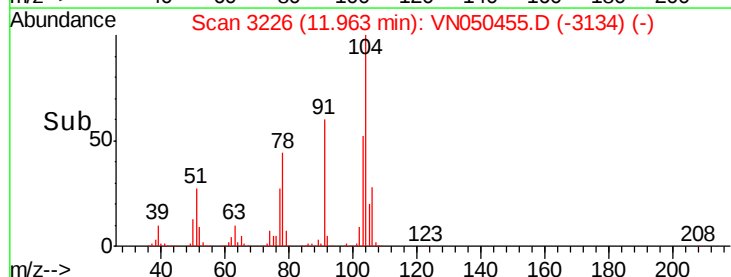
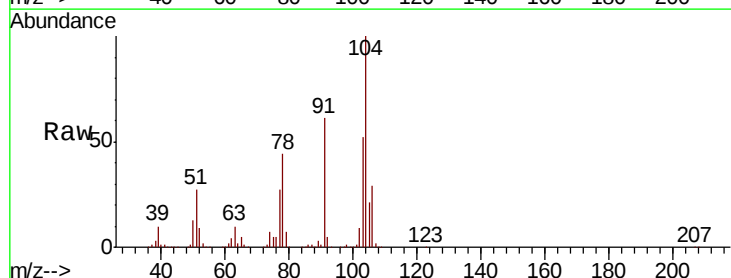
Manual Integrations
APPROVED

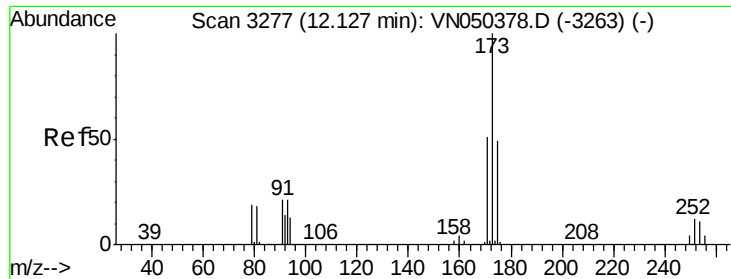
MMDadoda
8/9/2018 1:32:14 PM



#70
Styrene
Concen: 19.92 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.3	58.9
103	55.9	45.0	67.6





#71

Bromoform

Concen: 18.07 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

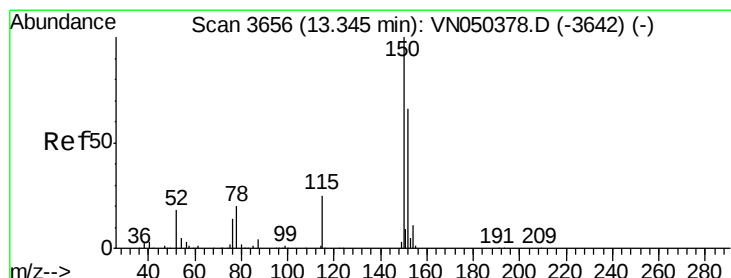
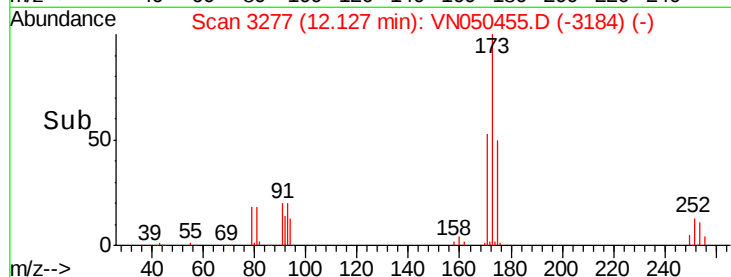
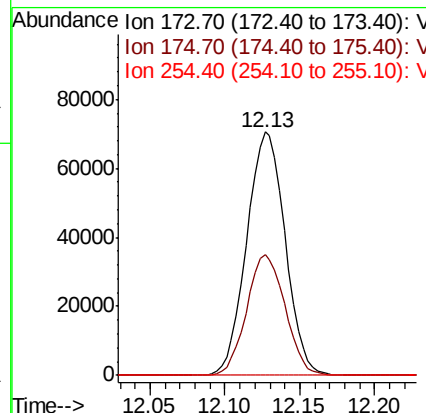
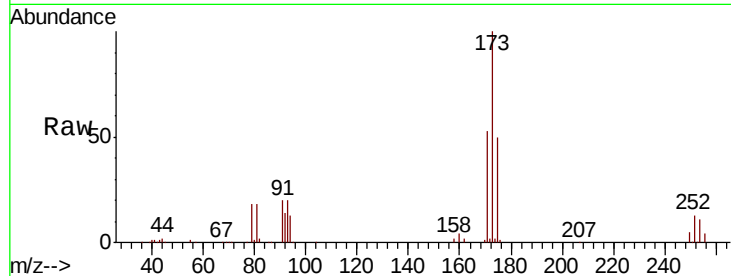
ClientSampleId :

VN0808MBS01

Tot Ion:	173	Resp:	126143
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.1	72.2
254	0.0	0.2	0.2#

Manual Integrations
APPROVED

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8/9/2018 1:32:14 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

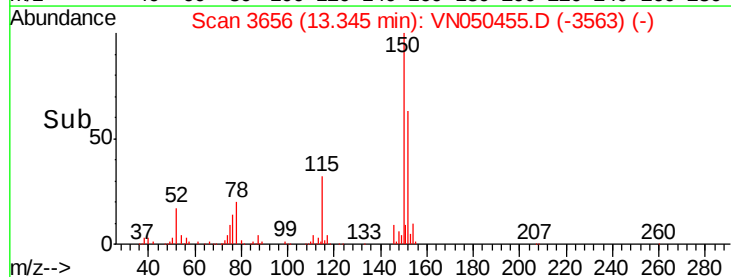
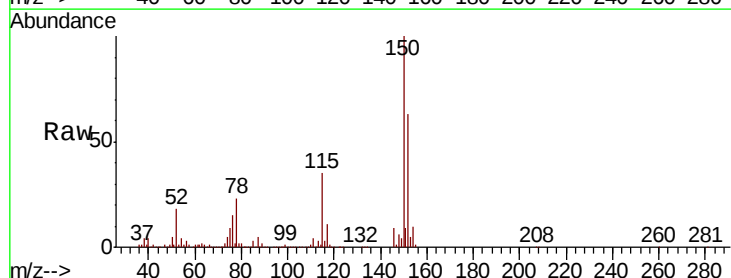
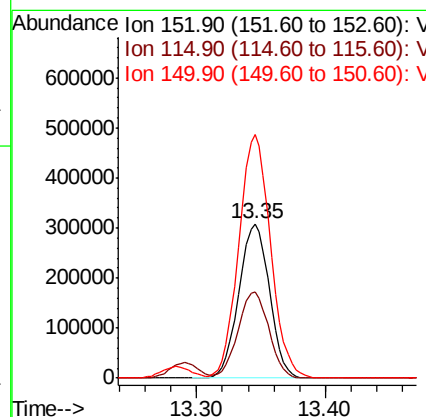
RT: 13.35 min Scan# 3656

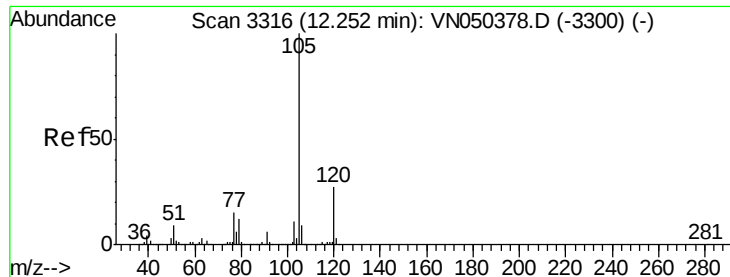
Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Tgt Ion:	152	Resp:	508390
Ion Ratio	Lower	Upper	
152	100		
115	56.0	27.8	83.3
150	163.9	0.0	348.6





#73

Isopropylbenzene

Concen: 21.83 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

Tot Ion: 105 Resp: 833126

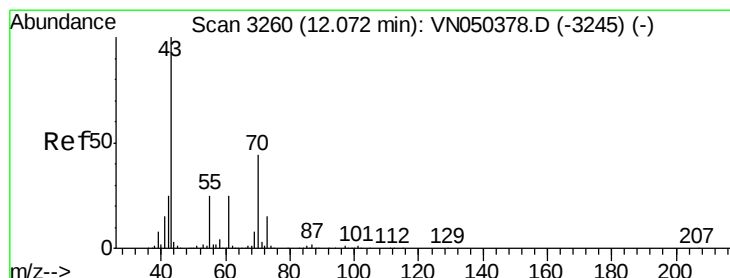
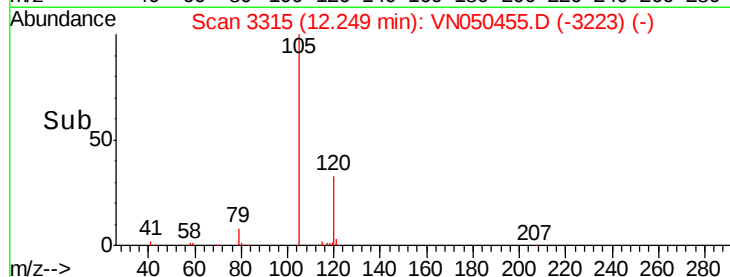
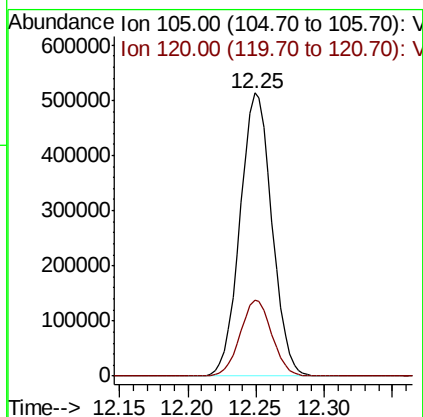
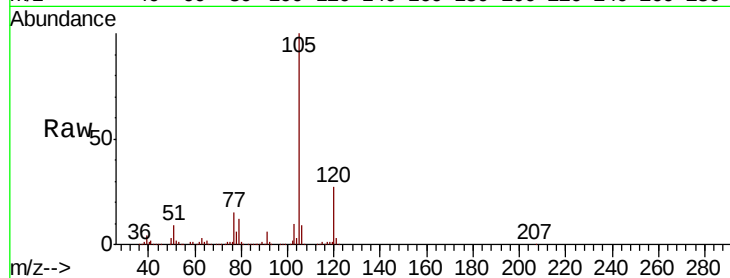
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 18.59 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Tgt Ion: 43 Resp: 229939

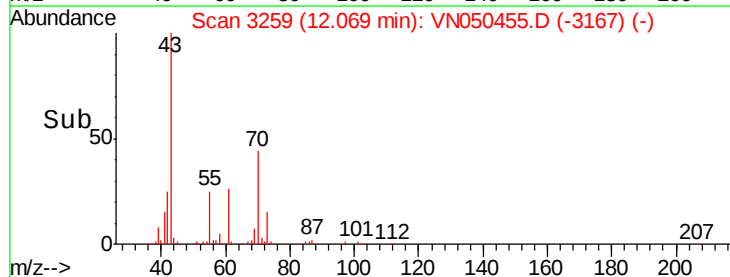
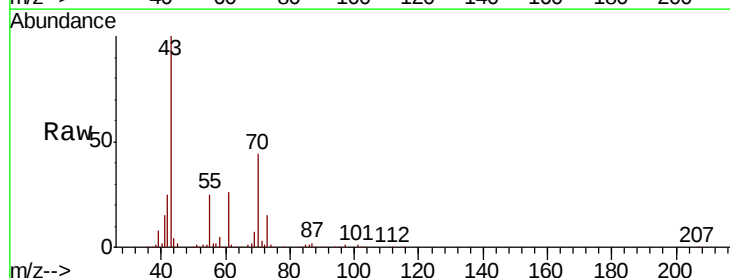
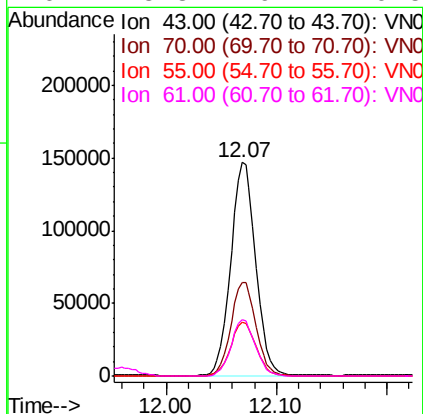
Ion Ratio Lower Upper

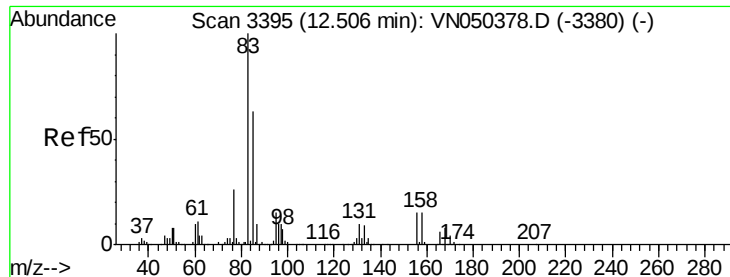
43 100

70 44.4 34.4 51.6

55 25.5 20.8 31.2

61 25.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.81 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

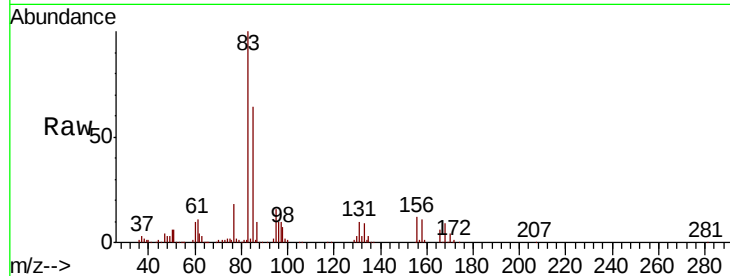
ClientSampleId :

VN0808MBS01

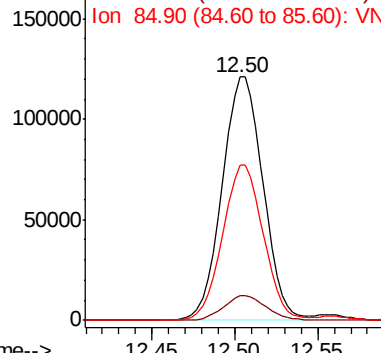
Tot Ion:	83	Resp:	207108
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	63.7	32.3	96.8

Manual Integrations
APPROVED

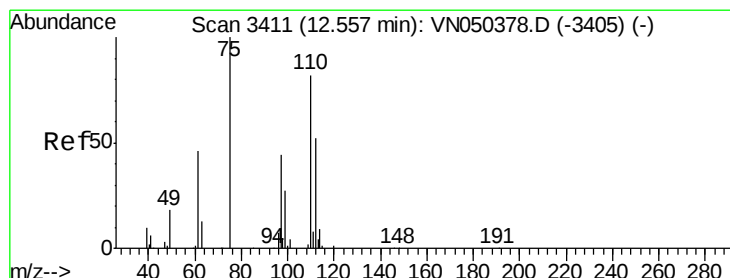
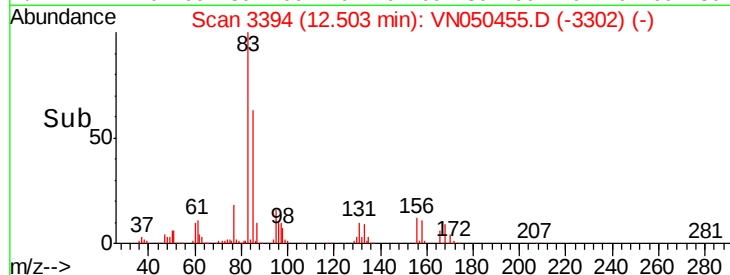
MMDadoda
8/9/2018 1:32:14 PM



Abundance Ion 82.90 (82.60 to 83.60): VN050378.D (-3380) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 17.82 ug/l m

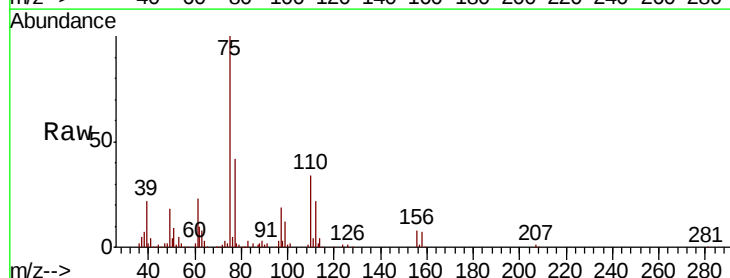
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

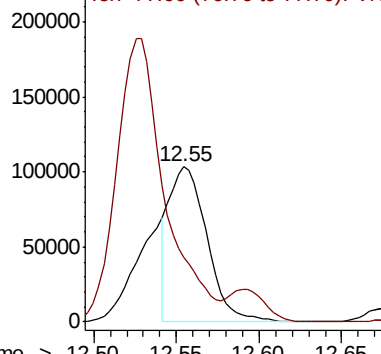
Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

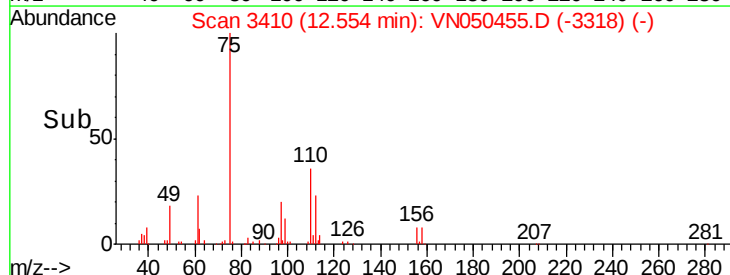
Tgt Ion:	75	Resp:	163980
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

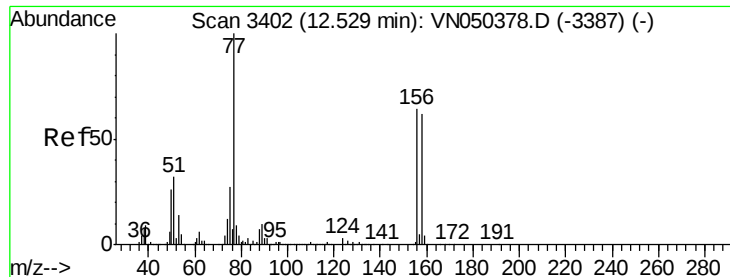


Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-3405) (-)



Time-->





#77

Bromobenzene

Concen: 21.26 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

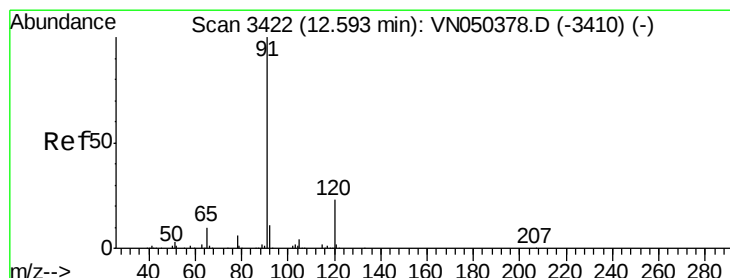
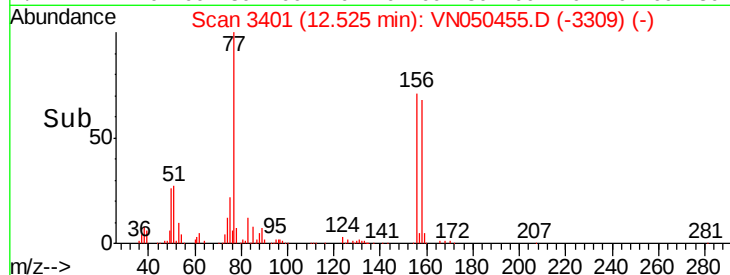
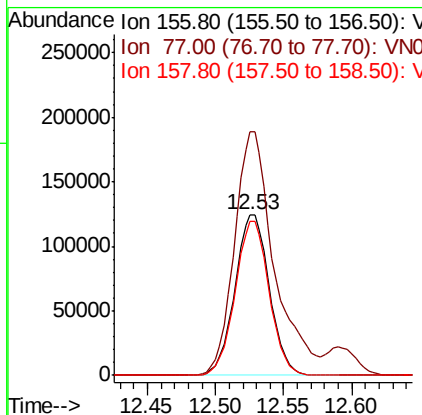
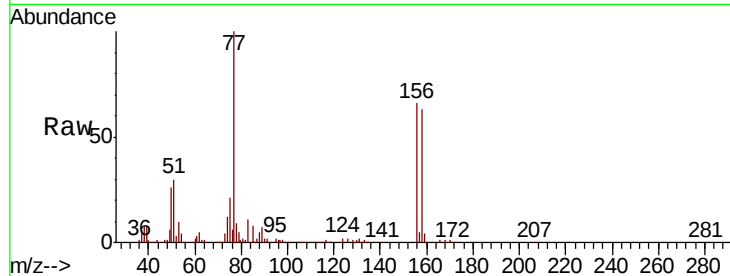
ClientSampleId :

VN0808MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		217324		
77	176.0	91.7	275.1		
158	95.0	48.9	146.6		

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#78

n-propylbenzene

Concen: 21.15 ug/l

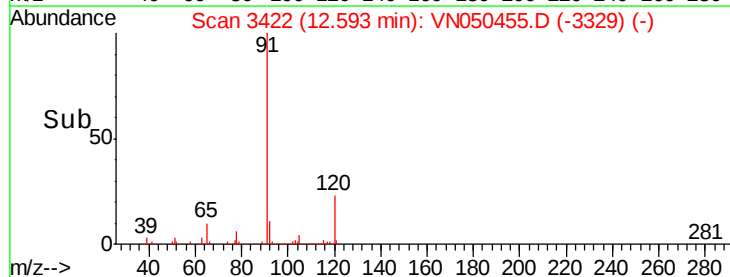
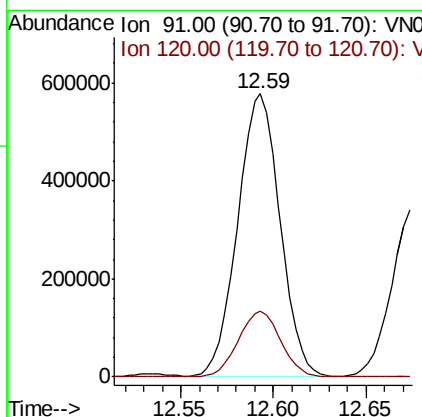
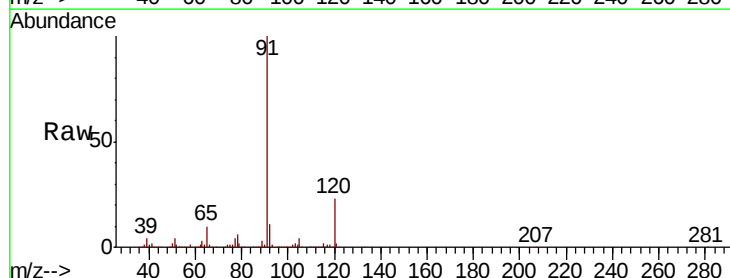
RT: 12.59 min Scan# 3422

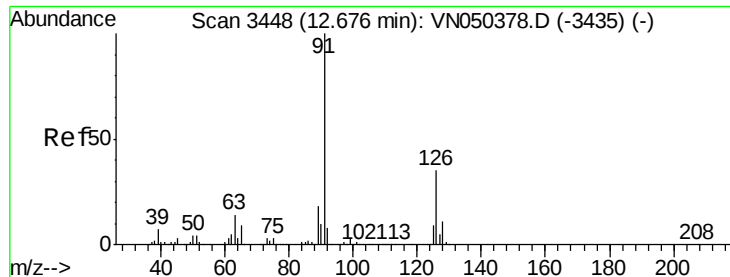
Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		913638		
120	23.4	11.6	34.7		





#79

2-Chlorotoluene

Concen: 20.95 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

Tot Ion: 91 Resp: 558832

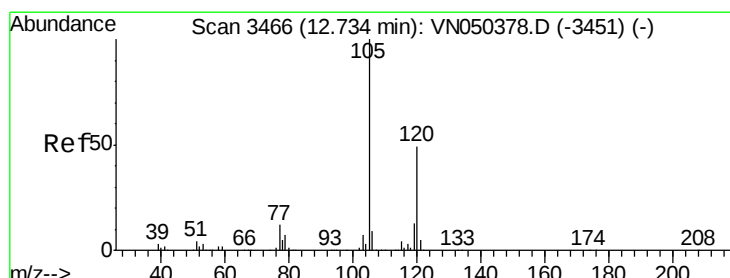
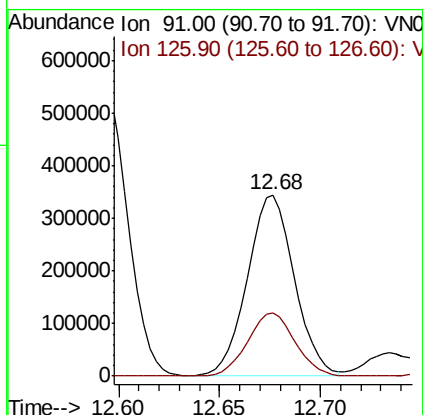
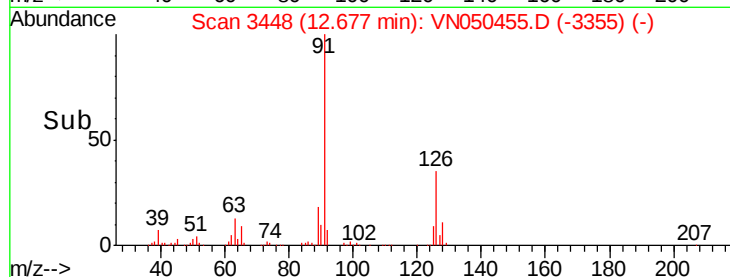
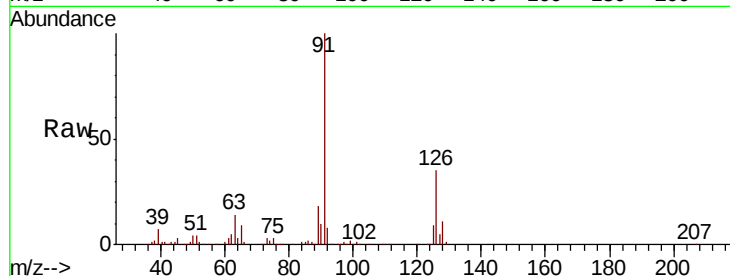
Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 21.60 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050455.D

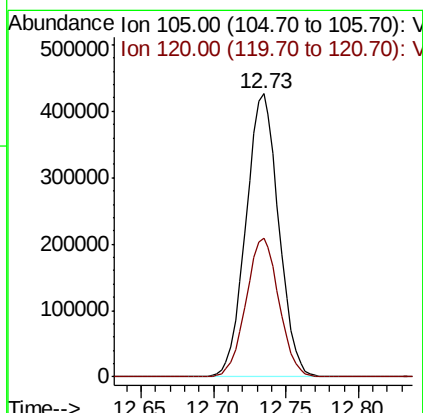
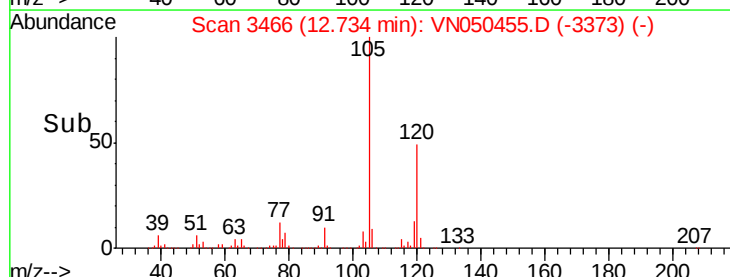
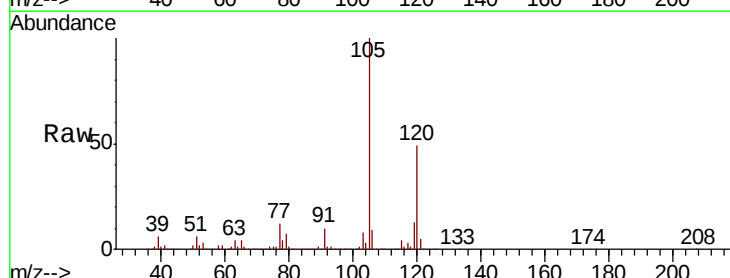
Acq: 8 Aug 2018 13:36

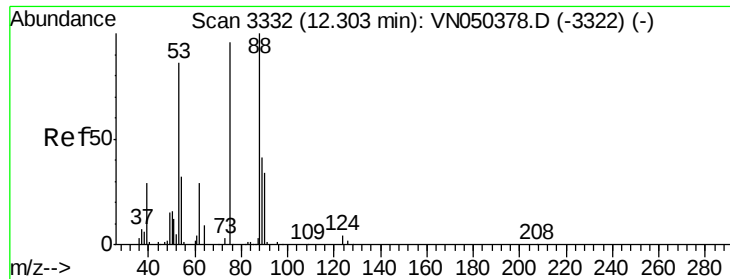
Tgt Ion: 105 Resp: 669050

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.36 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

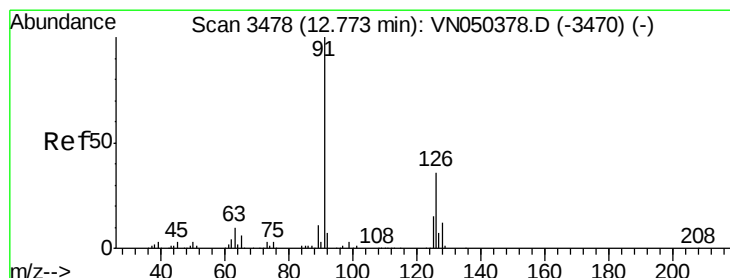
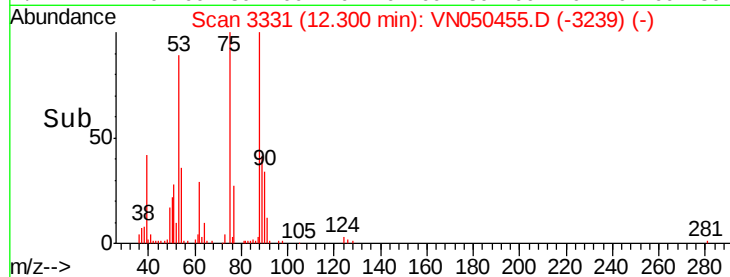
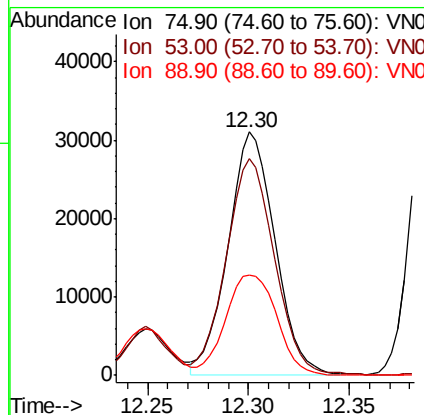
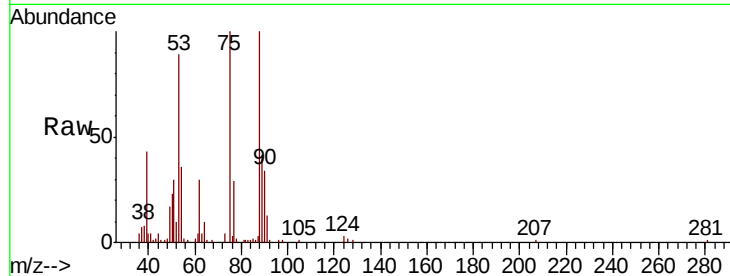
ClientSampleId :

VN0808MBS01

Tot Ion:	75	Resp:	50705
Ion	Ratio	Lower	Upper
75	100		
53	91.3	73.5	110.3
89	44.7	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.90 ug/l

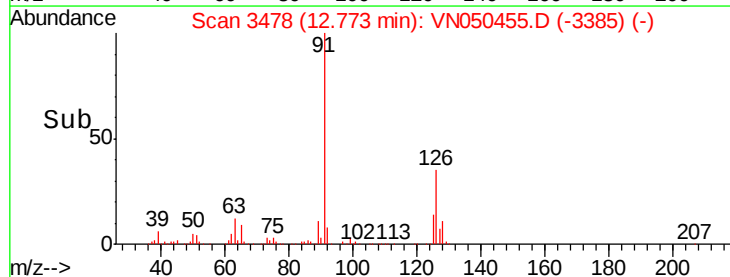
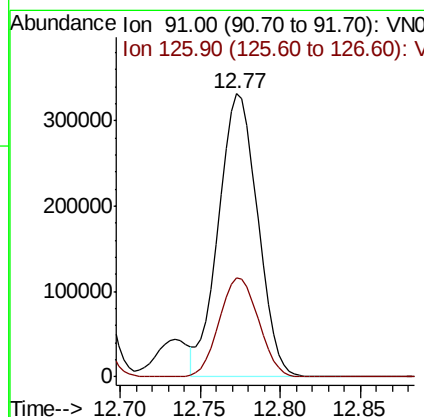
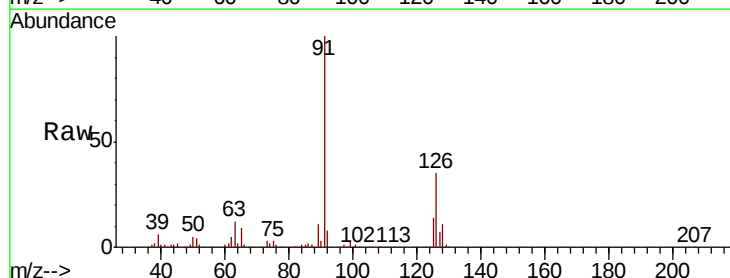
RT: 12.77 min Scan# 3478

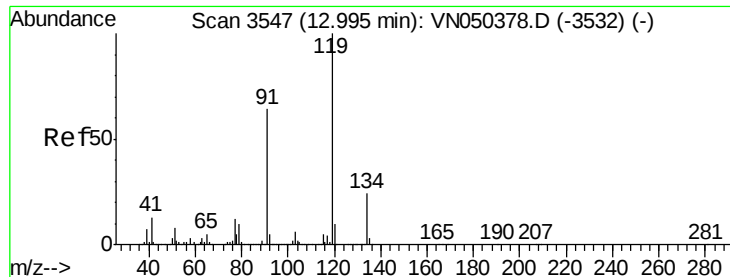
Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Tgt Ion:	91	Resp:	556122
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.0	51.0





#83

tert-Butylbenzene

Concen: 21.29 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

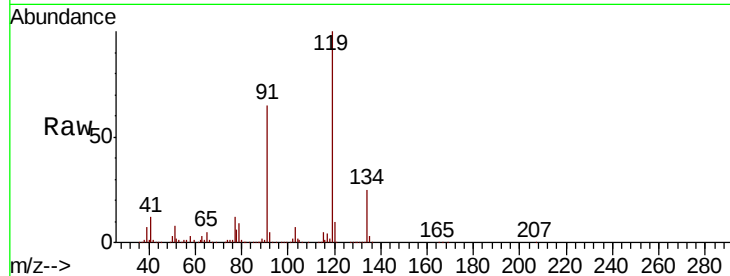
ClientSampleId :

VN0808MBS01

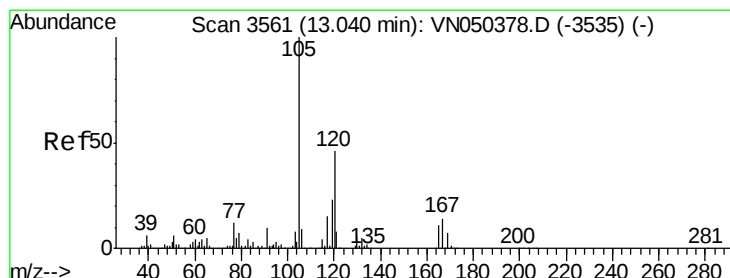
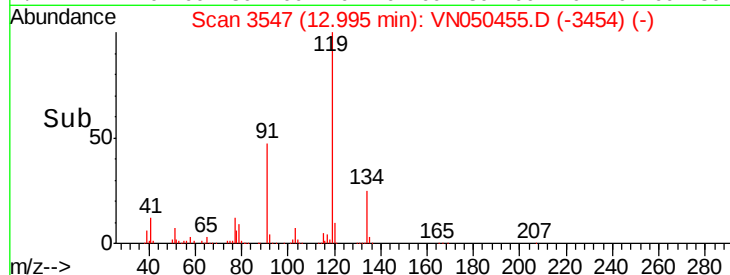
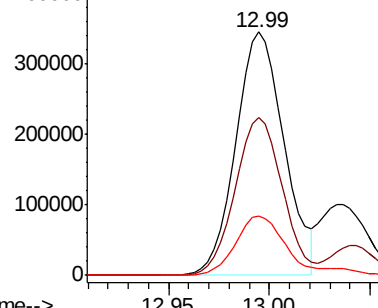
Tot Ion:	119	Resp:	575342
Ion Ratio	Lower	Upper	
119	100		
91	63.4	32.1	96.3
134	26.6	13.2	39.5

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.89 ug/l

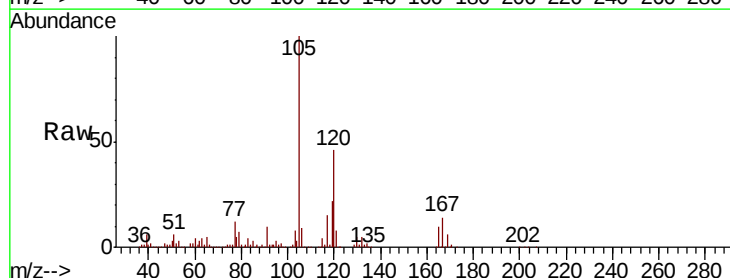
RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

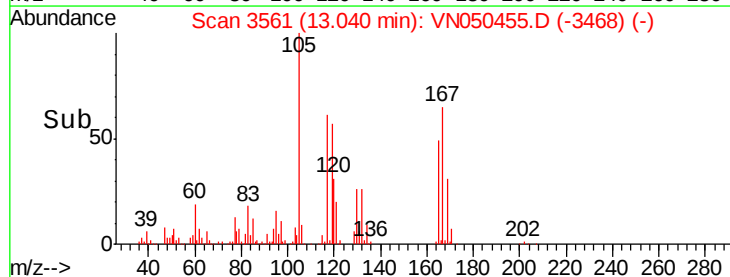
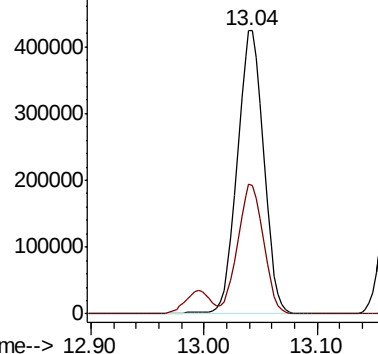
Lab File: VN050455.D

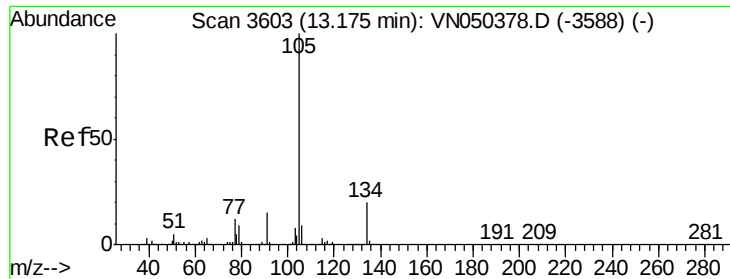
Acq: 8 Aug 2018 13:36

Tgt Ion:	105	Resp:	686869
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.56 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampled :

VN0808MBS01

Tot Ion:105 Resp: 740625

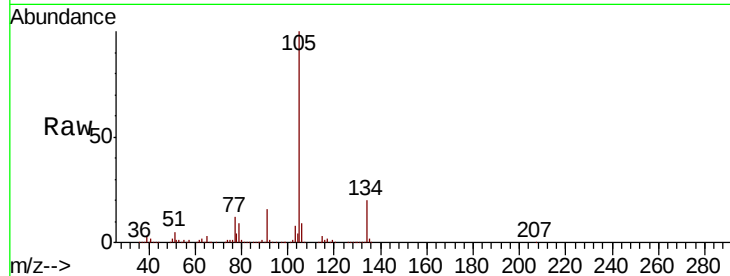
Ion Ratio Lower Upper

105 100

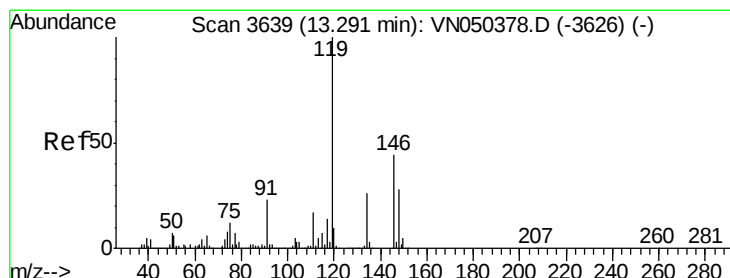
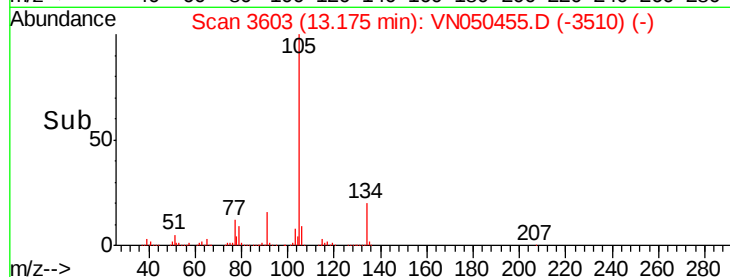
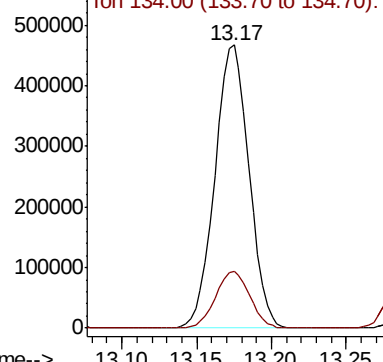
134 20.1 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.84 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

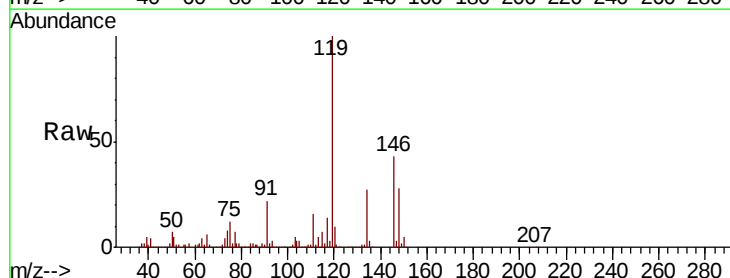
Tgt Ion:119 Resp: 643404

Ion Ratio Lower Upper

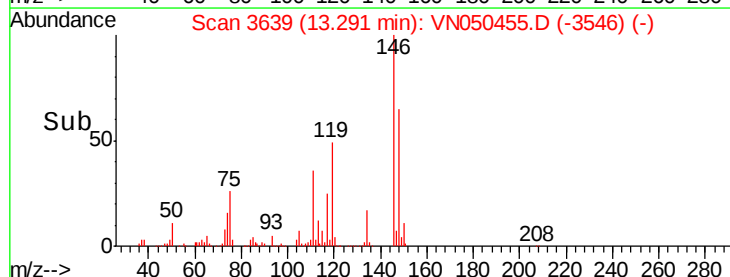
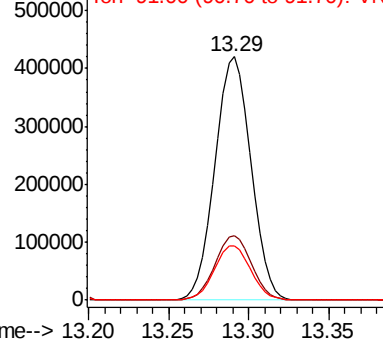
119 100

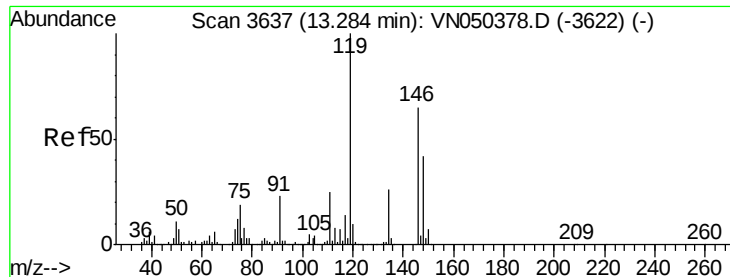
134 26.9 13.3 39.8

91 22.3 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





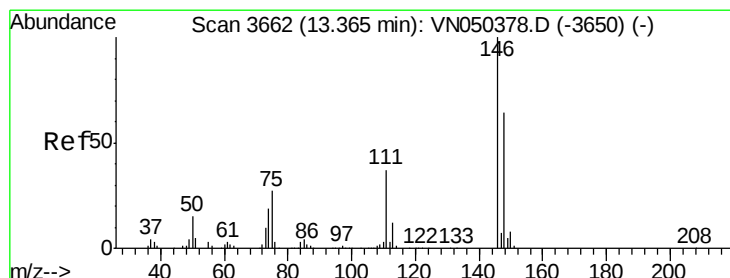
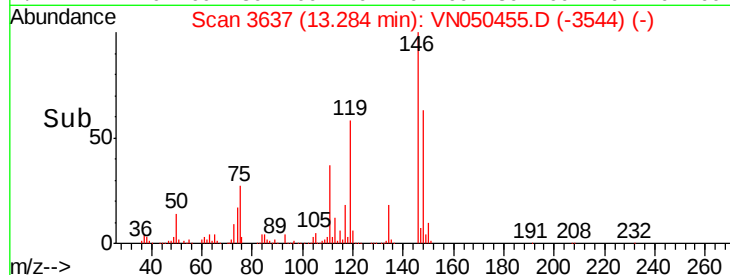
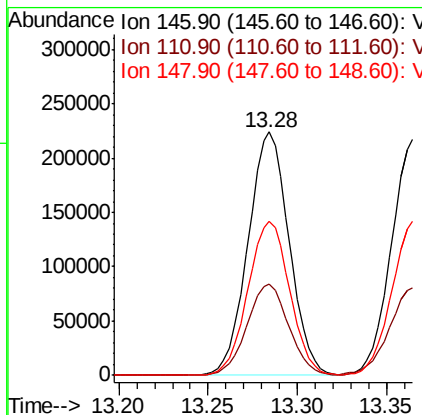
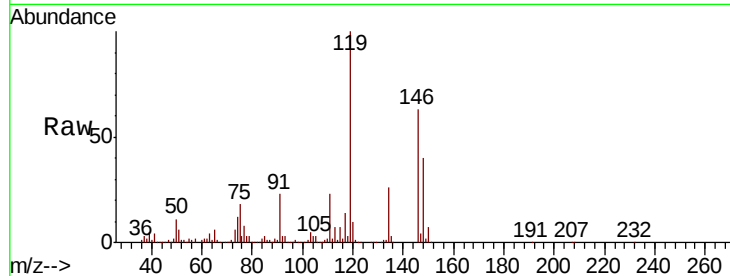
#87
 1,3-Dichlorobenzene
 Concen: 19.80 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	360587		
111	38.0	18.8	56.4	
148	64.3	31.9	95.9	

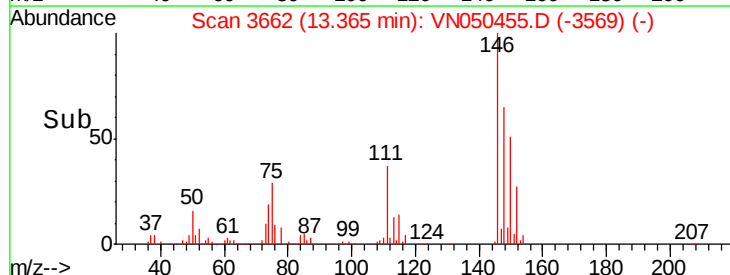
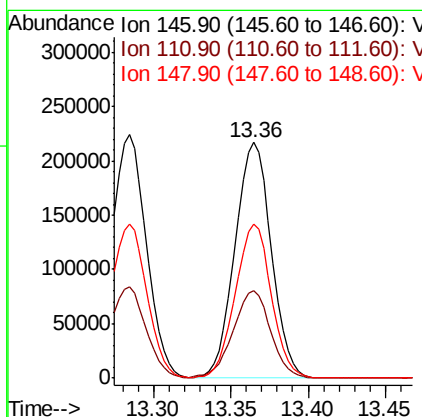
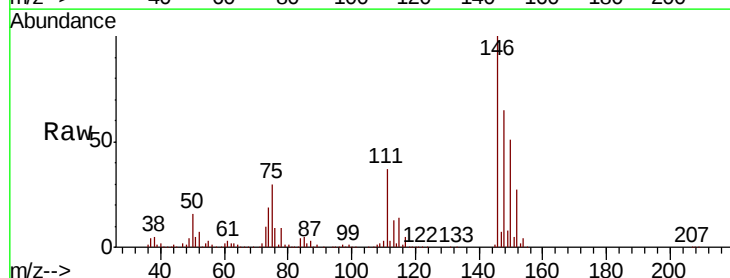
Manual Integrations
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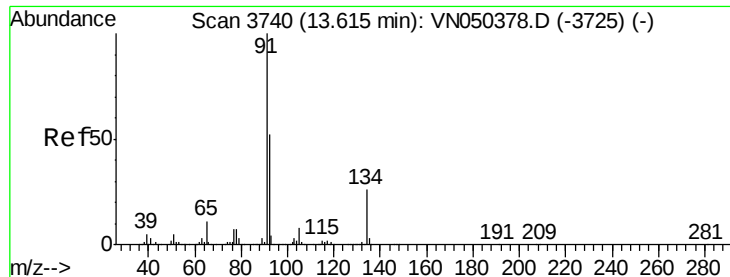
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#88
 1,4-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	354825		
111	38.1	18.3	54.9	
148	64.7	31.9	95.9	





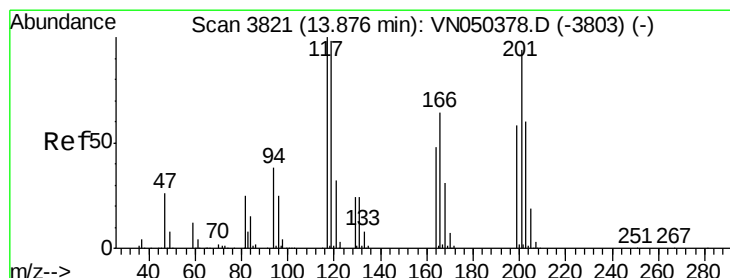
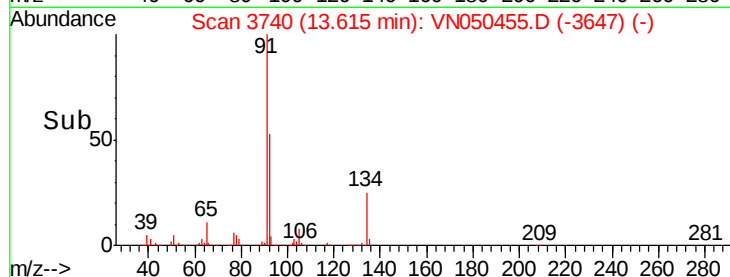
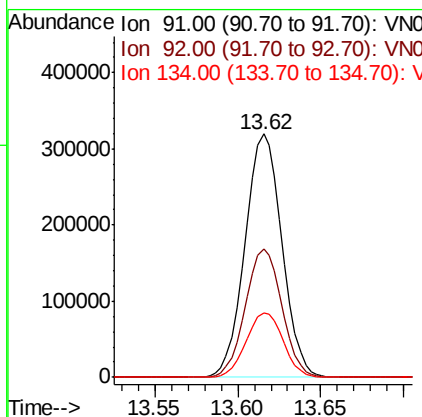
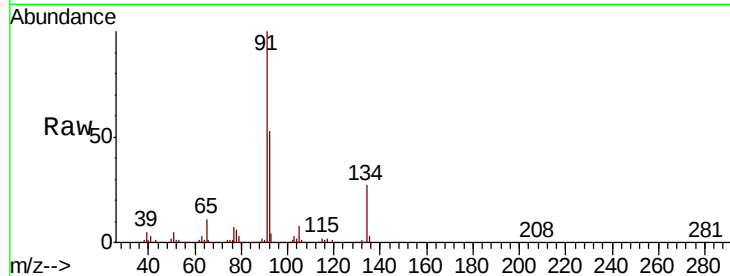
#89
n-Butylbenzene
Concen: 18.81 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.8	77.4
134	26.8	12.8	38.4

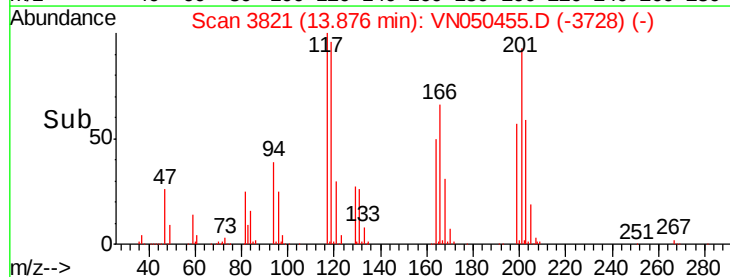
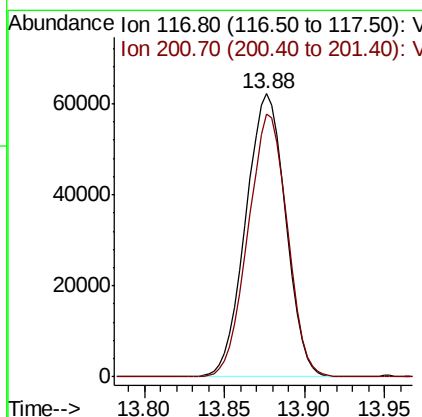
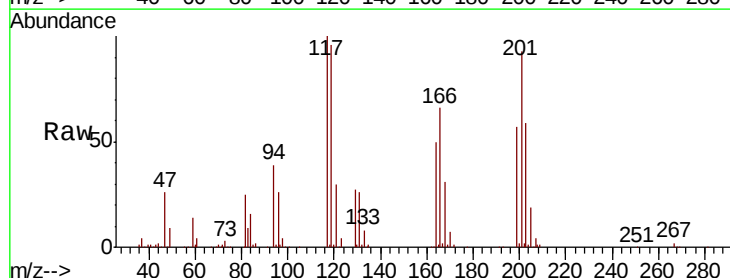
Manual Integrations
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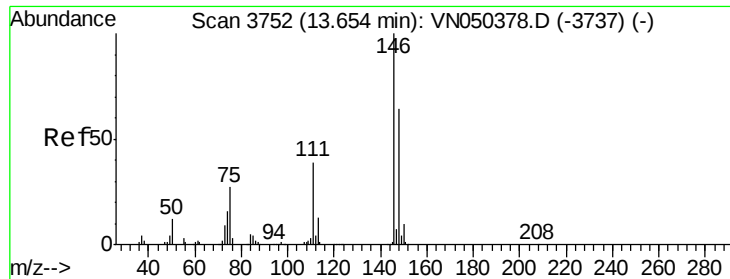
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#90
Hexachloroethane
Concen: 19.33 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	45.6	136.8





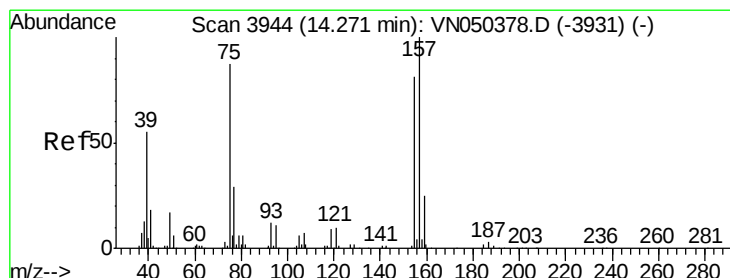
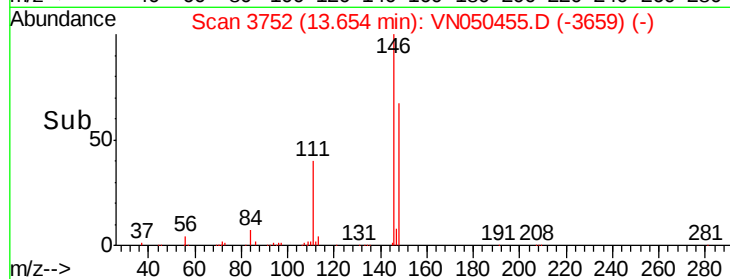
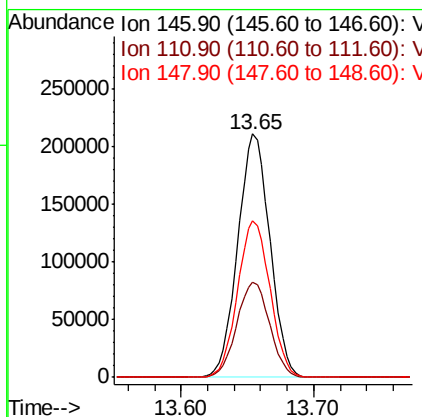
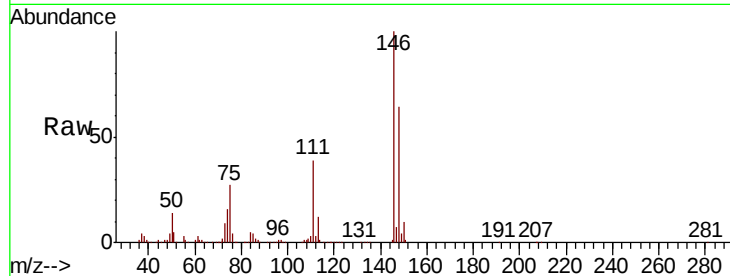
#91
 1,2-Dichlorobenzene
 Concen: 19.46 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.7
148	64.7	32.1	96.3

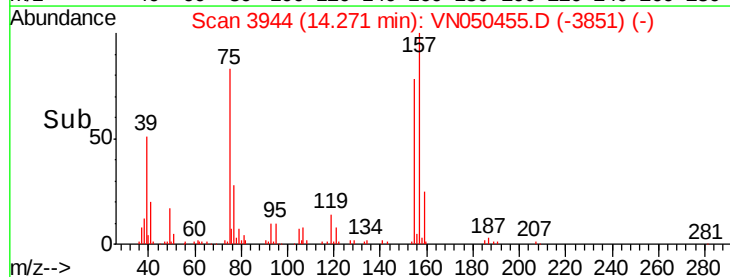
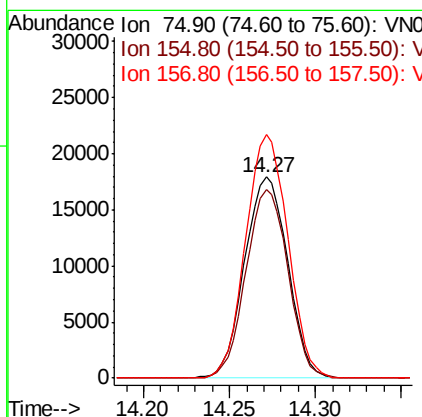
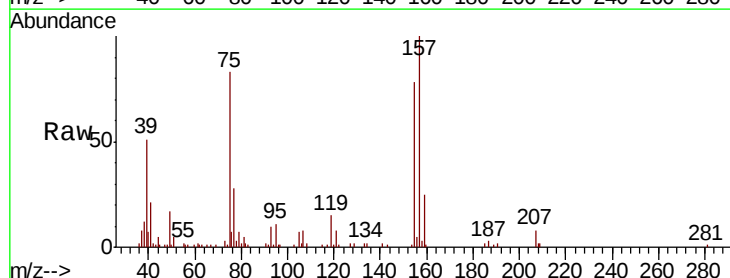
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.72 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	44.8	134.4
157	118.3	57.2	171.6





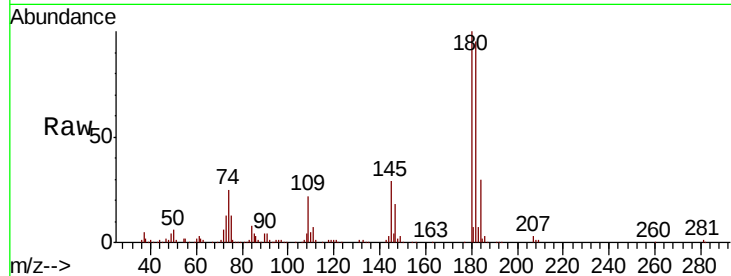
#93
 1,2,4-Trichlorobenzene
 Concen: 19.07 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

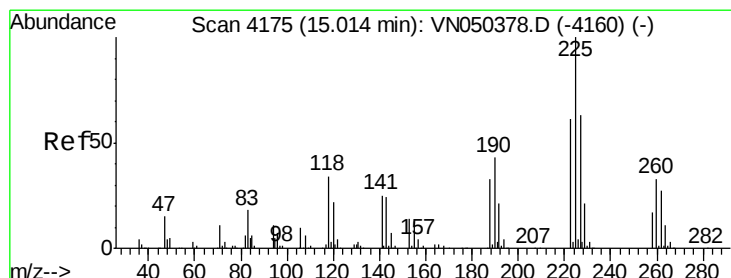
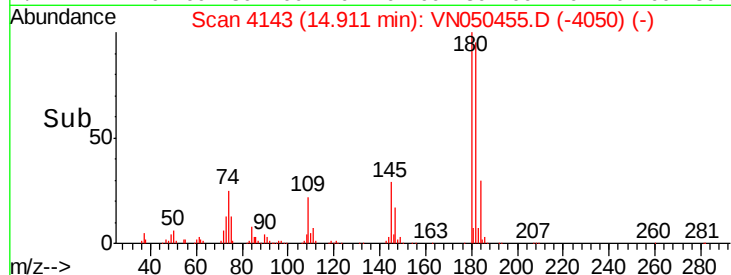
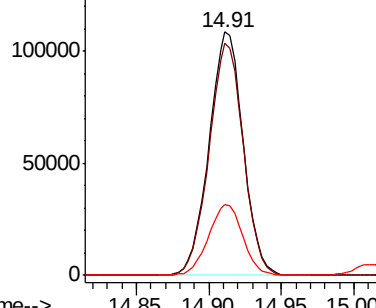
Tot Ion	Ratio	Resp	Lower	Upper
180	100	177277		
182	95.5	46.7	140.1	
145	29.4	13.8	41.4	

Manual Integrations
 APPROVED

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 8/9/2018 1:32:14 PM

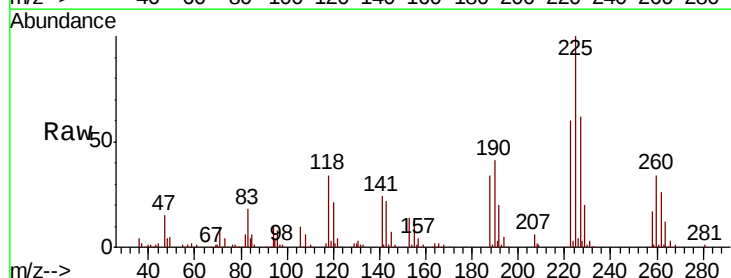


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

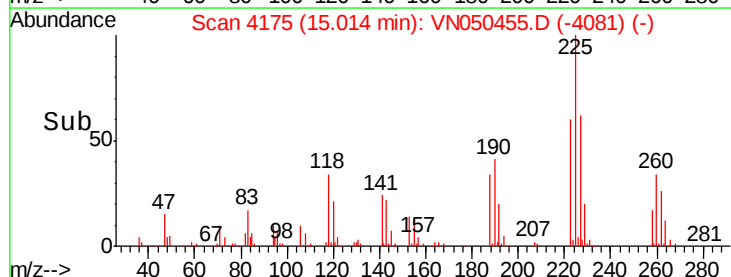
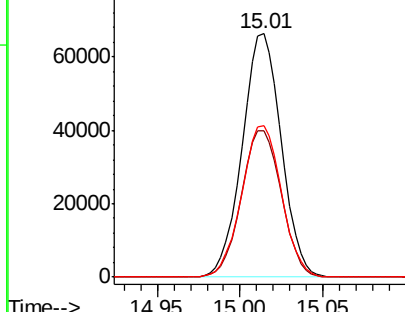


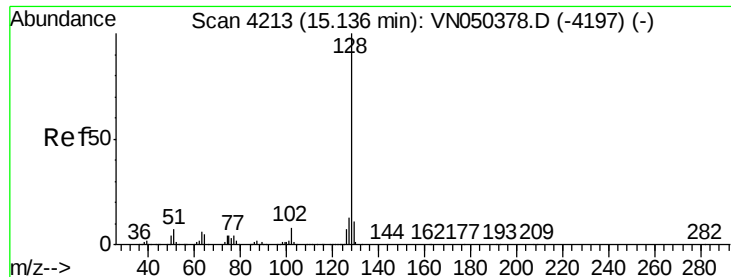
#94
 Hexachlorobutadiene
 Concen: 20.40 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108525		
223	61.8	31.4	94.2	
227	63.4	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





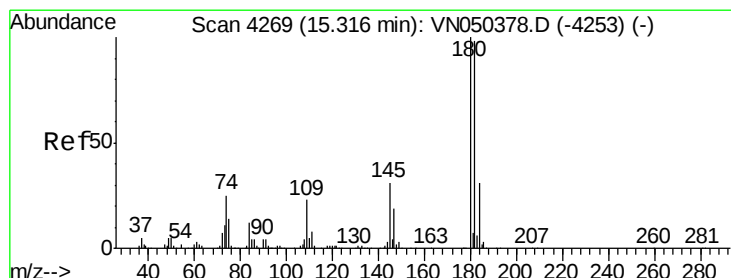
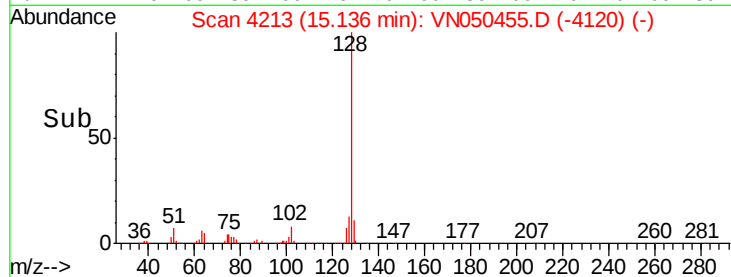
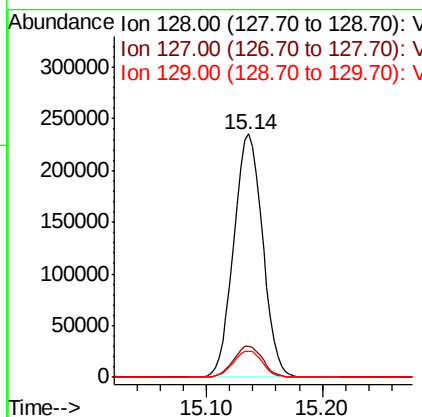
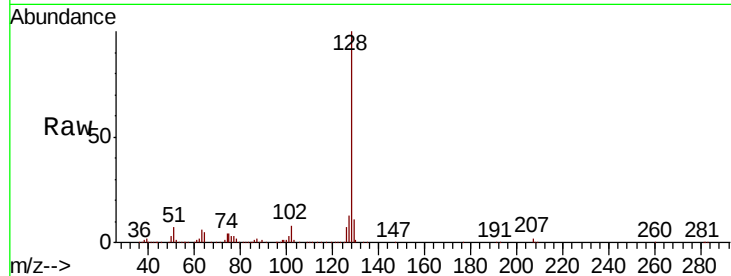
#95
Naphthalene
Concen: 18.92 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	405955		
127	13.1		10.4	15.6
129	10.9		8.8	13.2

Manual Integrations
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8/9/2018 1:32:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.65 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	175316		
182	95.0		48.1	144.4
145	30.2		15.3	45.9

