

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
 Data File : VN052945.D
 Acq On : 18 Dec 2018 00:05
 Operator : MD\SY
 Sample : VN1217MBSD01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 34 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1217MBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 1:33:58 PM

Quant Time: Dec 18 06:42:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1032558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1607206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1418565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	656209	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	555927	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	7.59	113	351374	39.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.34%	
50) Toluene-d8	10.09	98	1980404	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.40	95	669780	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	199857	18.803	ug/l	99
3) Chloromethane	2.06	50	242694	19.024	ug/l	100
4) Vinyl Chloride	2.19	62	250866	19.656	ug/l	99
5) Bromomethane	2.58	94	162078	20.589	ug/l	100
6) Chloroethane	2.71	64	147405	19.540	ug/l	97
7) Trichlorofluoromethane	3.03	101	317122	20.042	ug/l	100
8) Diethyl Ether	3.41	74	123135	21.333	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	196538	20.041	ug/l	100
10) Methyl Iodide	3.96	142	274775	20.007	ug/l	99
11) Tert butyl alcohol	4.78	59	66939	109.117	ug/l	96
12) 1,1-Dichloroethene	3.74	96	192424	20.270	ug/l	98
13) Acrolein	3.61	56	37839	65.513	ug/l	99
14) Allyl chloride	4.33	41	293123	18.904	ug/l	99
15) Acrylonitrile	4.99	53	360339	104.702	ug/l	99
16) Acetone	3.82	43	235960	95.693	ug/l	99
17) Carbon Disulfide	4.06	76	564642	19.361	ug/l	99
18) Methyl Acetate	4.32	43	196858	21.753	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	545368	21.161	ug/l	100
20) Methylene Chloride	4.55	84	217429	19.594	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	202832	19.721	ug/l	99
22) Diisopropyl ether	5.95	45	664809	20.097	ug/l	98
23) Vinyl Acetate	5.90	43	1968629	100.013	ug/l	98
24) 1,1-Dichloroethane	5.85	63	386674	20.270	ug/l	99
25) 2-Butanone	6.83	43	374704	97.934	ug/l	98
26) 2,2-Dichloropropane	6.83	77	246421	17.541	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	235634	20.186	ug/l	98
28) Bromochloromethane	7.20	49	184367	21.523	ug/l	96
29) Tetrahydrofuran	7.21	42	266654	102.088	ug/l	98
30) Chloroform	7.37	83	376526	20.241	ug/l	99
31) Cyclohexane	7.66	56	360520	19.018	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	313224	20.125	ug/l	100
36) 1,1-Dichloropropene	7.79	75	288268	19.477	ug/l	99
37) Ethyl Acetate	6.93	43	179956	20.240	ug/l	99
38) Carbon Tetrachloride	7.78	117	266135	19.536	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	343088	18.890	ug/l	97
40) Benzene	8.04	78	888540	20.003	ug/l	98
41) Methacrylonitrile	7.17	41	104076	21.127	ug/l	96
42) 1,2-Dichloroethane	8.12	62	259408	19.398	ug/l	99
43) Isopropyl Acetate	8.17	43	361450	19.828	ug/l	98
44) Trichloroethene	8.84	130	250544	20.881	ug/l	98
45) 1,2-Dichloropropane	9.12	63	234754	20.177	ug/l	99
46) Dibromomethane	9.21	93	137616	20.395	ug/l	98
47) Bromodichloromethane	9.40	83	284768	20.351	ug/l	99
48) Methyl methacrylate	9.20	41	167182	20.913	ug/l	98
49) 1,4-Dioxane	9.20	88	39461	434.873	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	888589	106.306	ug/l	100
52) Toluene	10.16	92	537722	19.987	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	294472	20.914	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	338743	20.189	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	198295	20.647	ug/l	97
56) Ethyl methacrylate	10.43	69	269146	21.837	ug/l	98
57) 1,3-Dichloropropane	10.71	76	336895	20.456	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	747541	108.699	ug/l	98
59) 2-Hexanone	10.75	43	591069	103.181	ug/l	99
60) Dibromochloromethane	10.90	129	212470	20.470	ug/l	99
61) 1,2-Dibromoethane	11.00	107	198555	20.916	ug/l	99
64) Tetrachloroethene	10.63	164	291036	23.871	ug/l	99
65) Chlorobenzene	11.43	112	595160	20.223	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	211060	20.621	ug/l	100
67) Ethyl Benzene	11.51	91	1023492	20.251	ug/l	99
68) m/p-Xylenes	11.62	106	775933	40.887	ug/l	100
69) o-Xylene	11.95	106	378802	20.441	ug/l	99
70) Styrene	11.96	104	620703	20.836	ug/l	99
71) Bromoform	12.13	173	146863	21.120	ug/l #	99
73) Isopropylbenzene	12.25	105	1007631	20.566	ug/l	100
74) N-amyl acetate	12.07	43	301635	22.425	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	208394	18.979	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	193376m	19.973	ug/l	
77) Bromobenzene	12.53	156	257866	20.693	ug/l	100
78) n-propylbenzene	12.59	91	1136667	20.342	ug/l	99
79) 2-Chlorotoluene	12.67	91	669722	20.273	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	815862	20.628	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	64592	21.432	ug/l	98
82) 4-Chlorotoluene	12.77	91	682208	20.198	ug/l	99
83) tert-Butylbenzene	12.99	119	720386	20.648	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	826615	20.645	ug/l	100
85) sec-Butylbenzene	13.17	105	955766	20.228	ug/l	99
86) p-Isopropyltoluene	13.29	119	838925	20.494	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	450680	20.351	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	445683	20.322	ug/l	99
89) n-Butylbenzene	13.62	91	692191	20.086	ug/l	100
90) Hexachloroethane	13.88	117	123573	18.027	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	434881	20.415	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35928	21.706	ug/l	100

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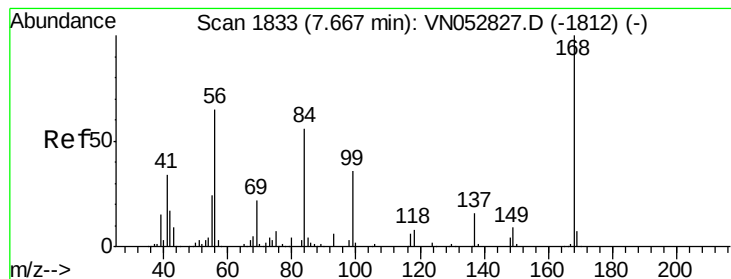
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	243293	21.011	ug/l	98
94) Hexachlorobutadiene	15.01	225	134322	20.041	ug/l	99
95) Naphthalene	15.13	128	531549	22.164	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	220086	20.714	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBSD01

Tgt Ion:168 Resp: 1032558

Ion Ratio Lower Upper

168 100

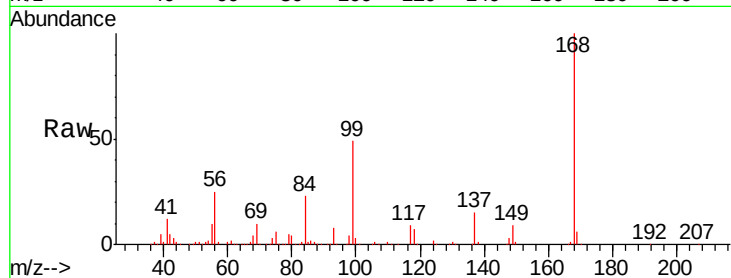
99 48.8 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

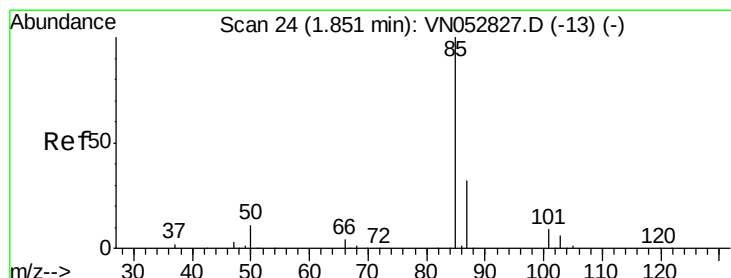
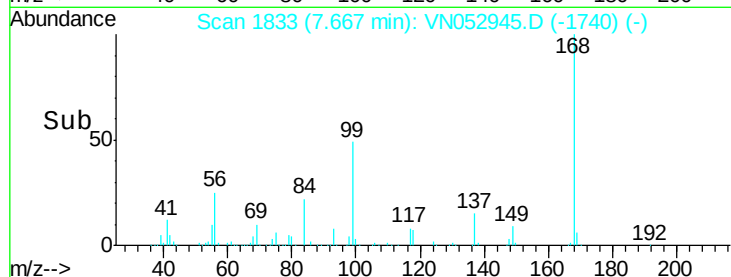
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.803 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052945.D

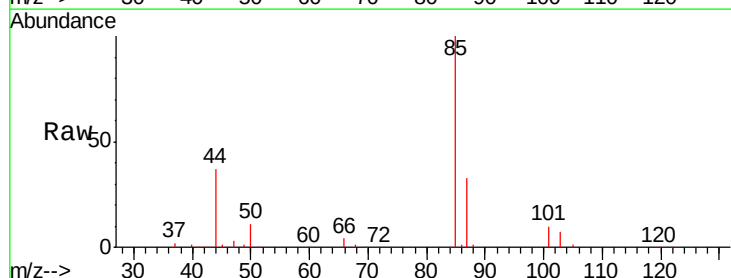
Acq: 18 Dec 2018 00:05

Tgt Ion: 85 Resp: 199857

Ion Ratio Lower Upper

85 100

87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

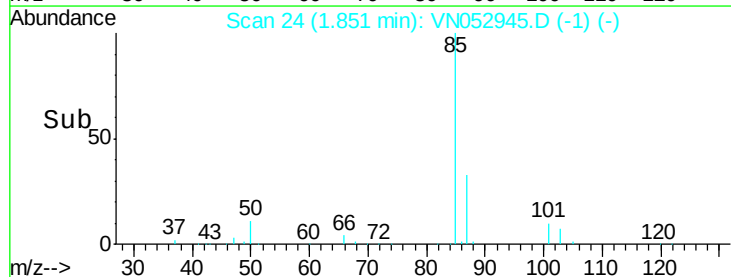
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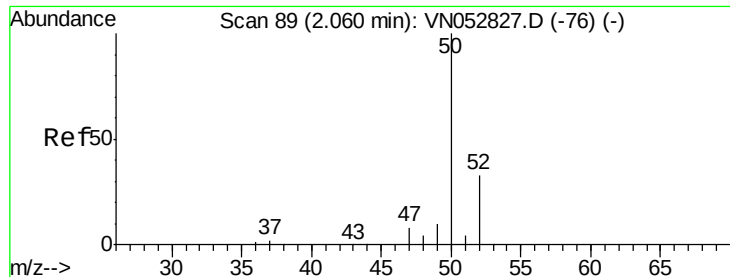
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.024 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBSD01

Tgt Ion: 50 Resp: 242694

Ion Ratio Lower Upper

50 100

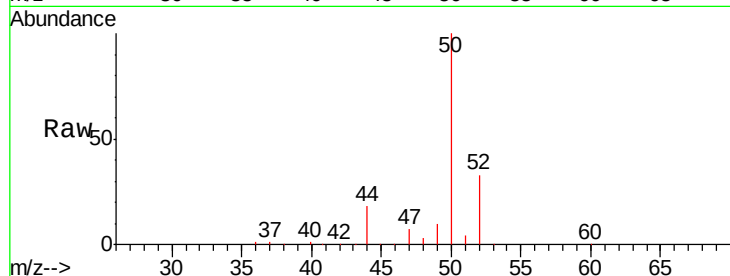
52 33.0 26.2 39.4

Manual Integrations

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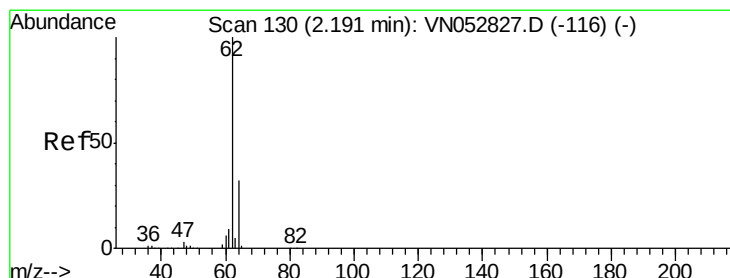
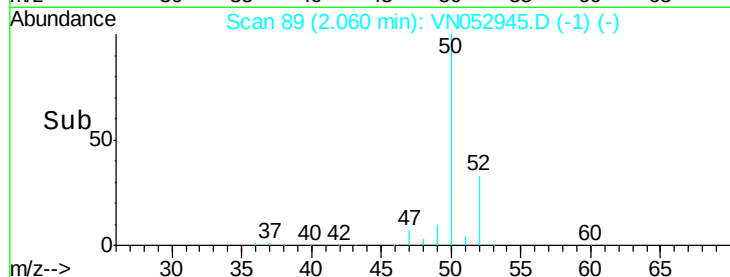
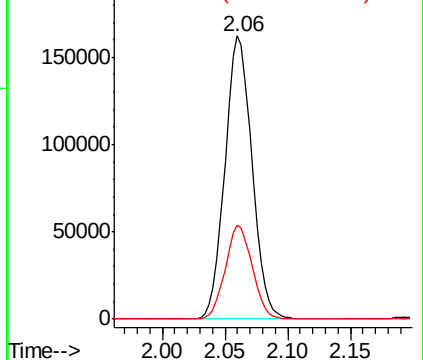
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.656 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052945.D

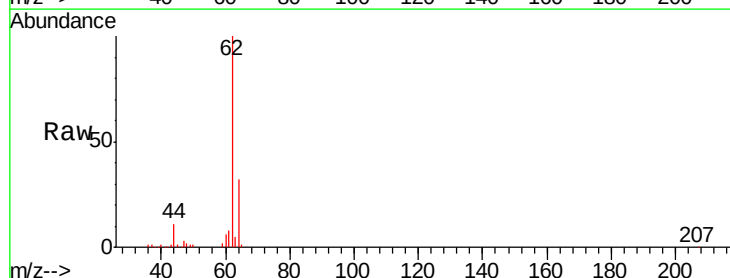
Acq: 18 Dec 2018 00:05

Tgt Ion: 62 Resp: 250866

Ion Ratio Lower Upper

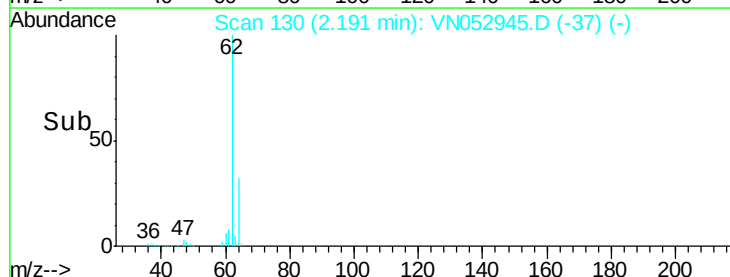
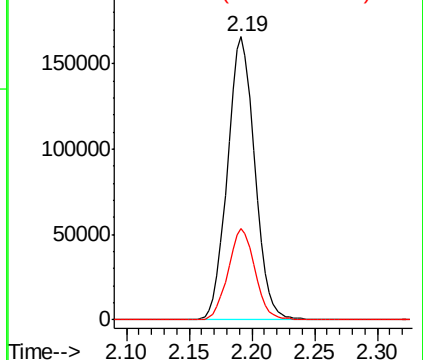
62 100

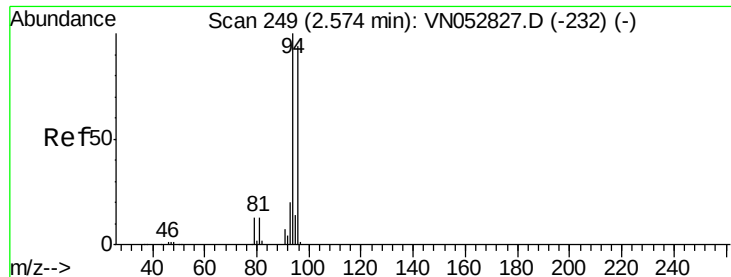
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 20.589 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

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ClientSampleId :

VN1217MBSD01

Tgt Ion: 94 Resp: 162078

Ion Ratio Lower Upper

94 100

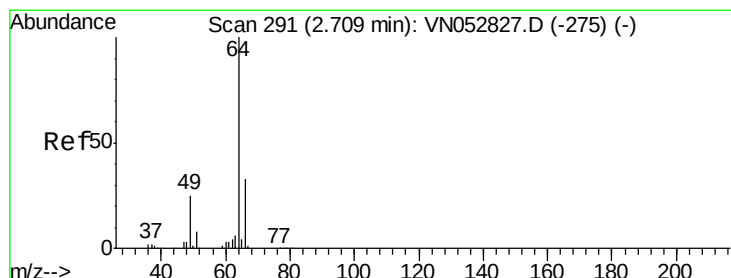
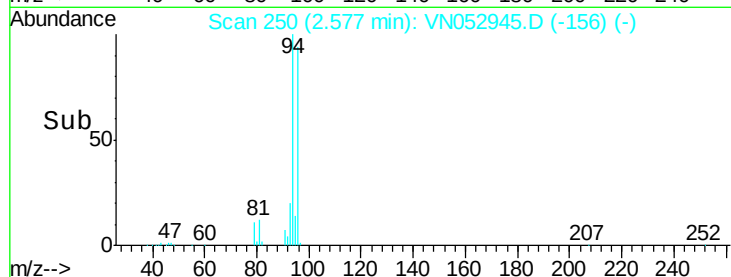
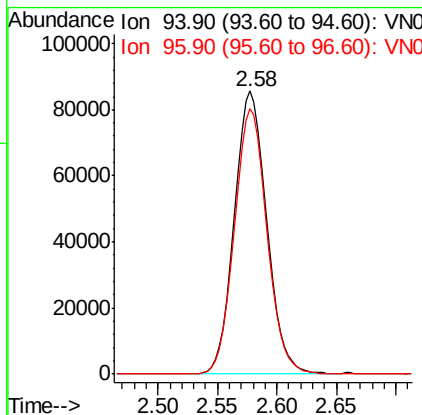
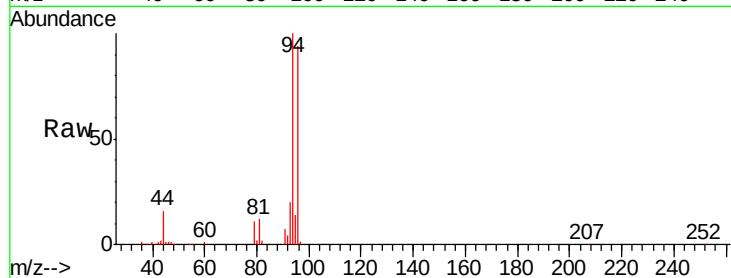
96 93.8 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 19.540 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052945.D

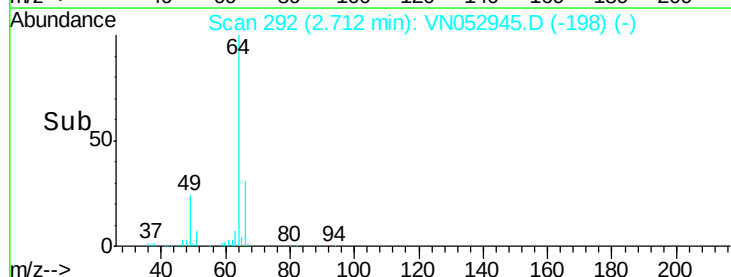
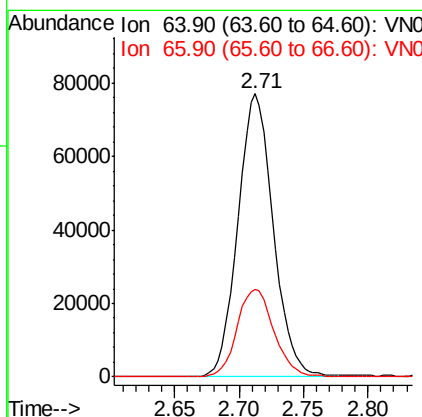
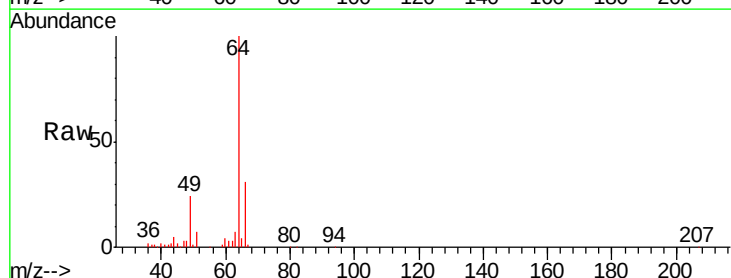
Acq: 18 Dec 2018 00:05

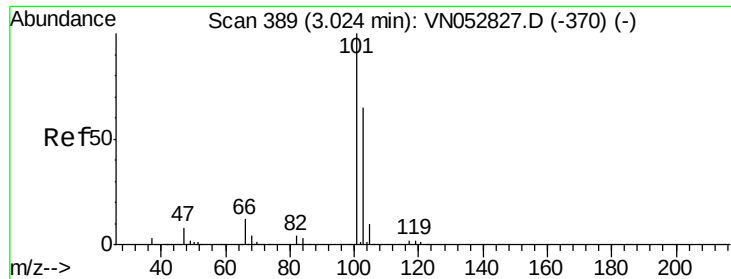
Tgt Ion: 64 Resp: 147405

Ion Ratio Lower Upper

64 100

66 31.0 26.2 39.2





#7

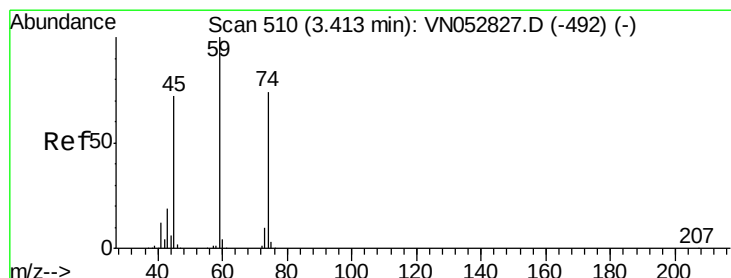
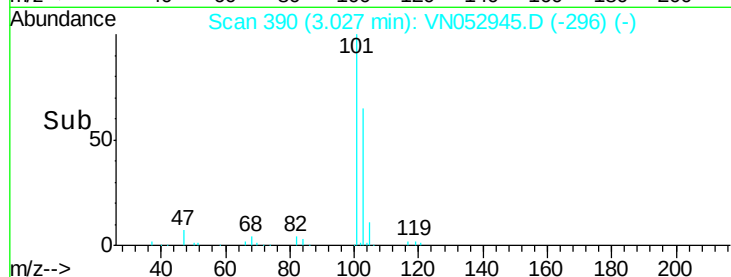
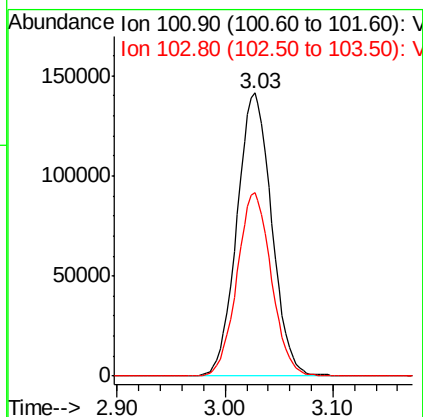
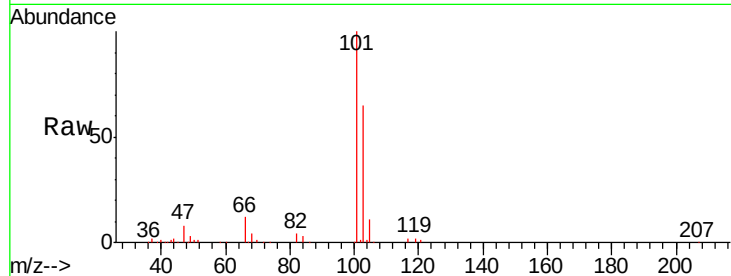
Trichlorofluoromethane
 Concen: 20.042 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

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 ClientSampleId :
 VN1217MBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6

Manual Integrations
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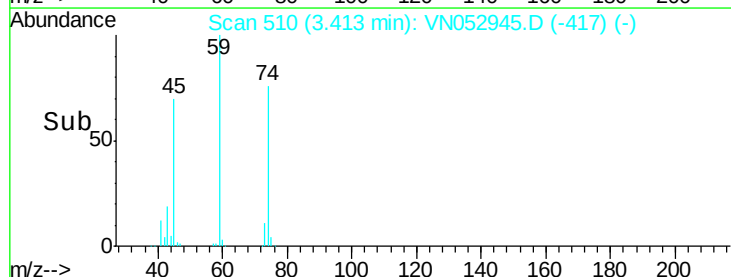
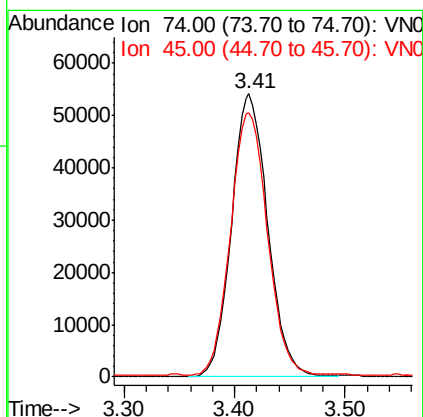
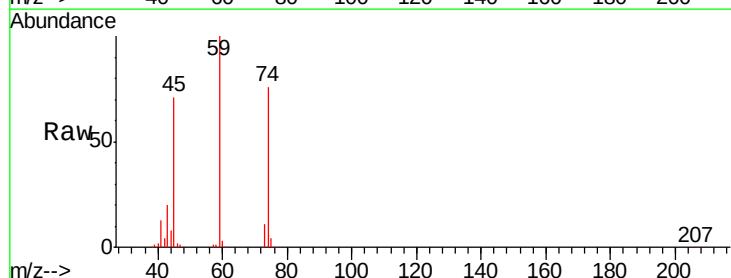
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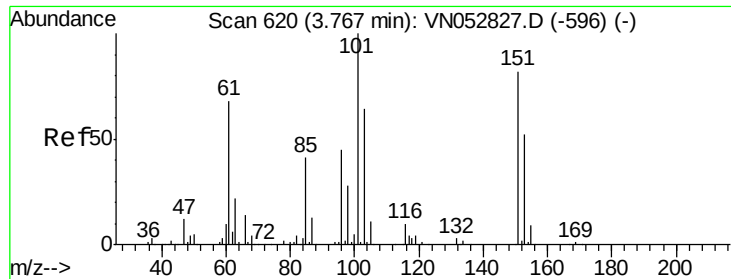


#8

Diethyl Ether
 Concen: 21.333 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.041 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

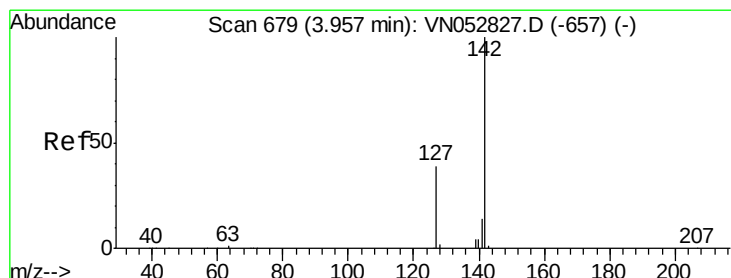
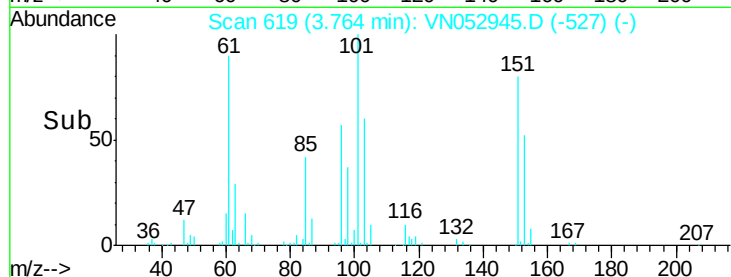
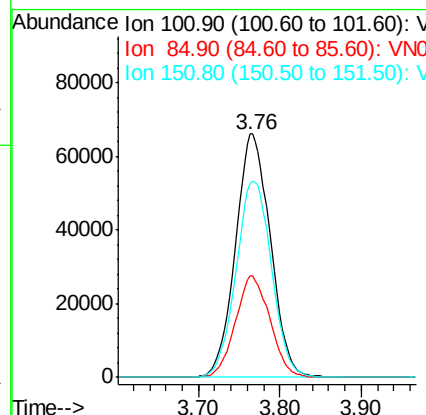
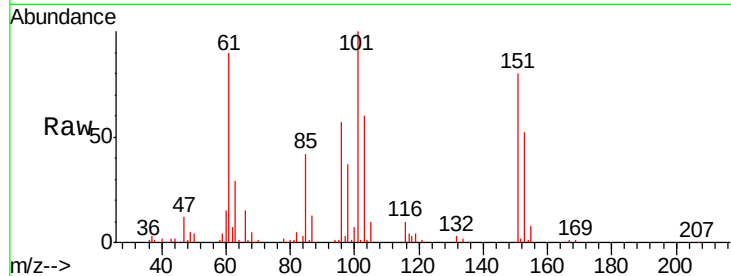
ClientSampleId :

VN1217MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	196538		
85	41.2	33.6	50.4	
151	82.0	65.5	98.3	

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#10

Methyl Iodide

Concen: 20.007 ug/l

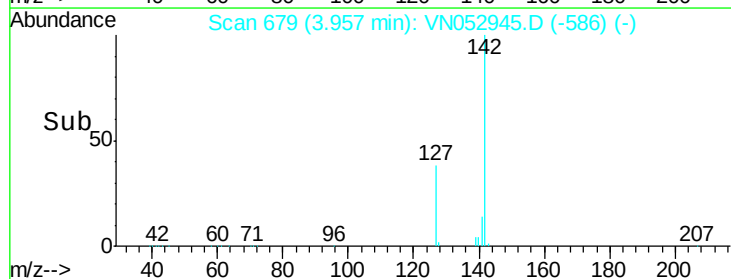
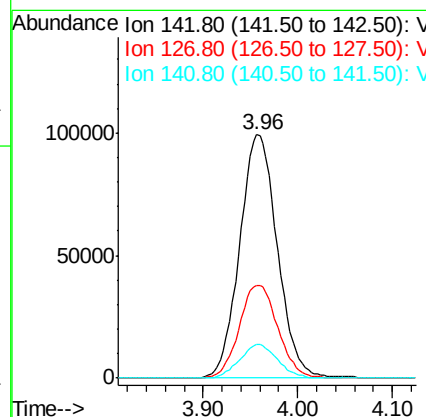
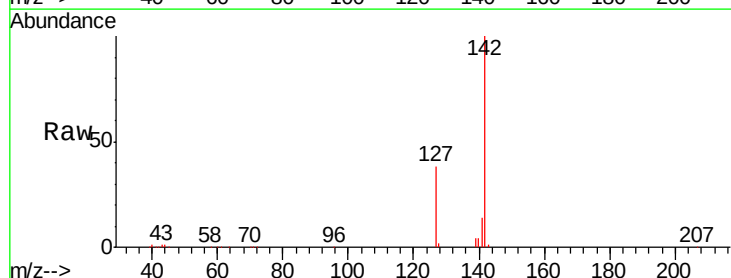
RT: 3.96 min Scan# 679

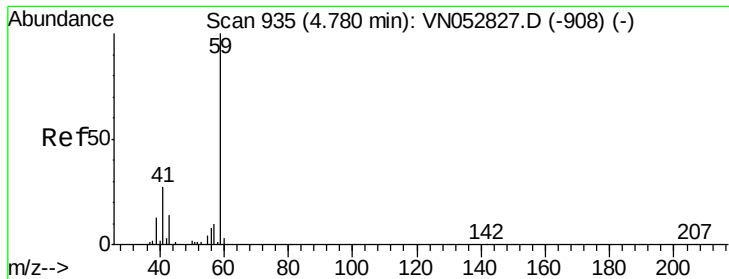
Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	274775		
127	39.2	31.0	46.6	
141	13.8	11.2	16.8	





#11

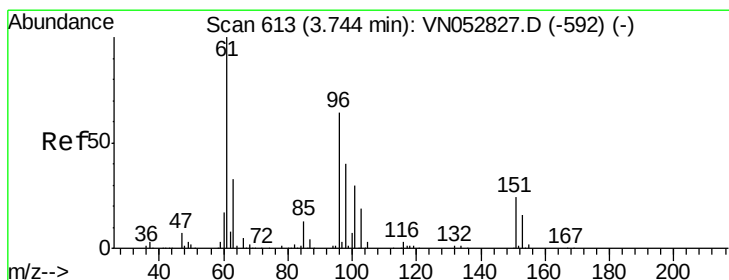
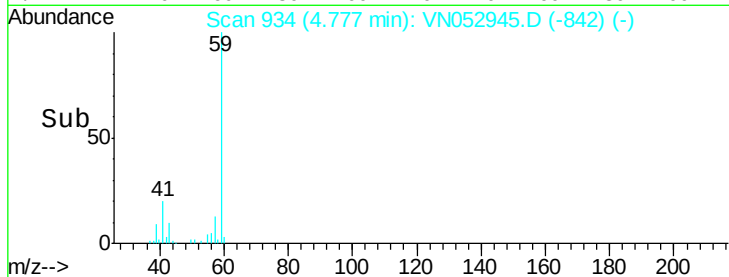
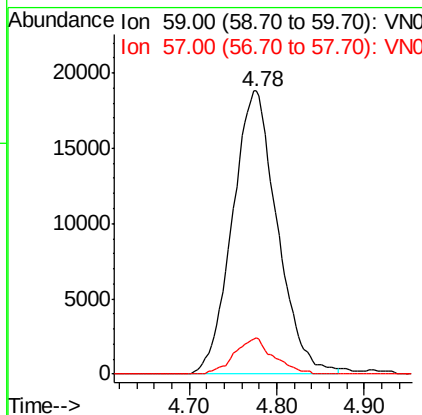
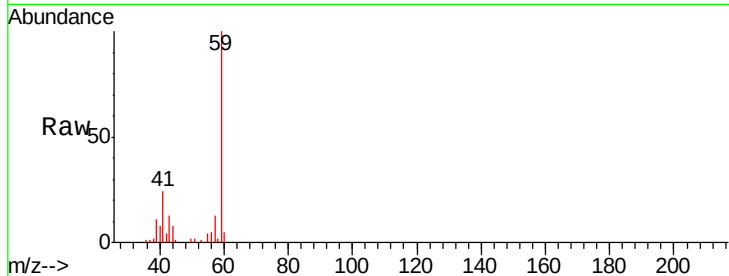
Tert butyl alcohol
 Concen: 109.117 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.1	7.7	11.5

Manual Integrations
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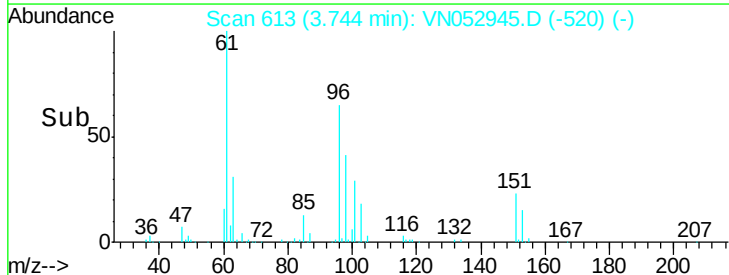
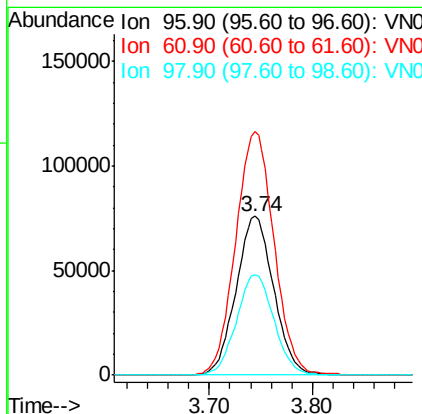
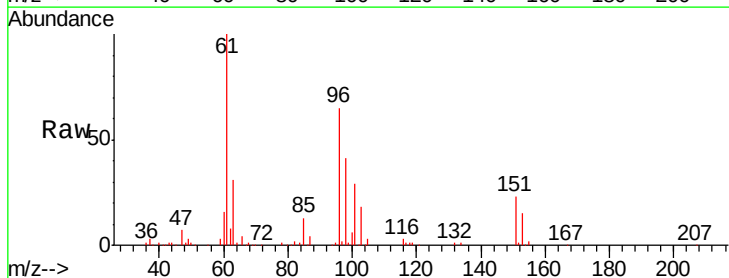
MMDadoda
 12/18/2018 1:33:58 PM

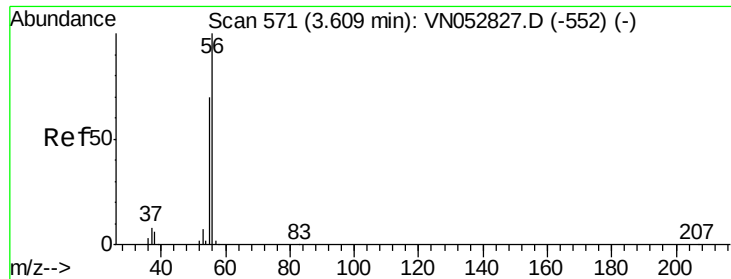


#12

1,1-Dichloroethene
 Concen: 20.270 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	125.6	188.4
98	63.5	50.6	75.8





#13

Acrolein

Concen: 65.513 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBSD01

Tgt Ion: 56 Resp: 37839

Ion Ratio Lower Upper

56 100

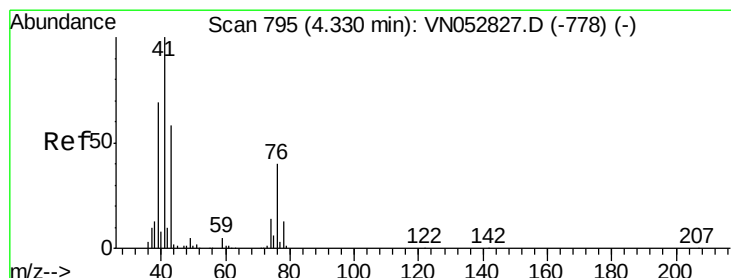
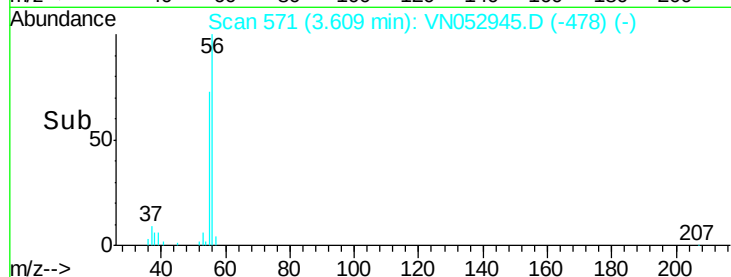
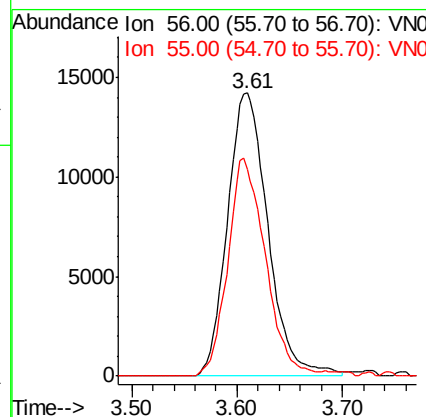
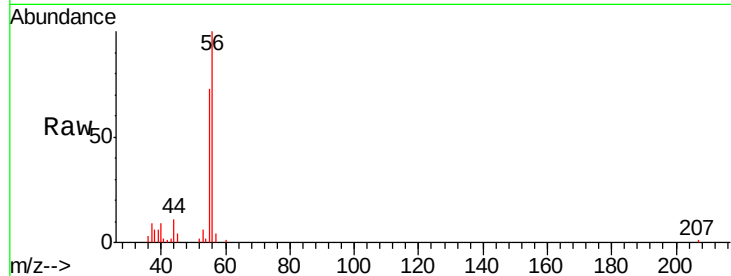
55 71.3 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.904 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

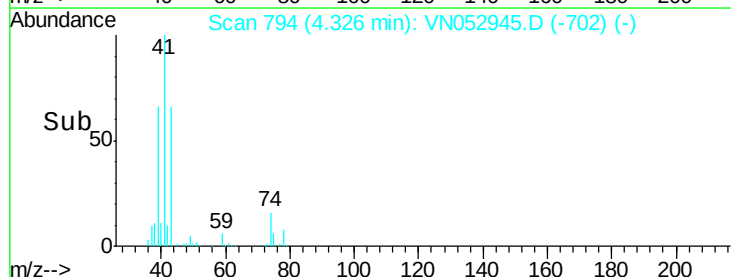
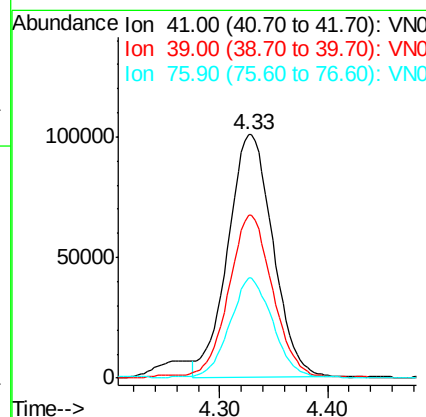
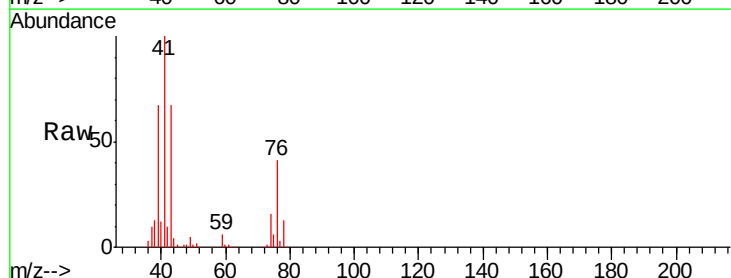
Tgt Ion: 41 Resp: 293123

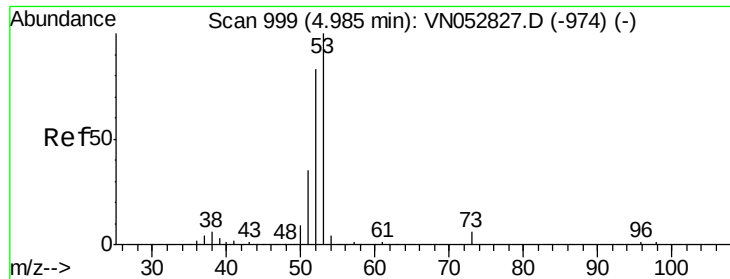
Ion Ratio Lower Upper

41 100

39 66.9 54.1 81.1

76 38.9 30.3 45.5





#15

Acrylonitrile

Concen: 104.702 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

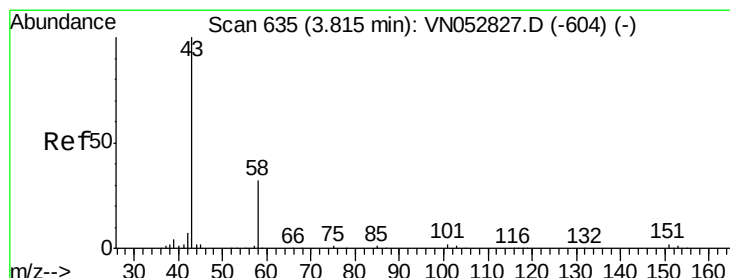
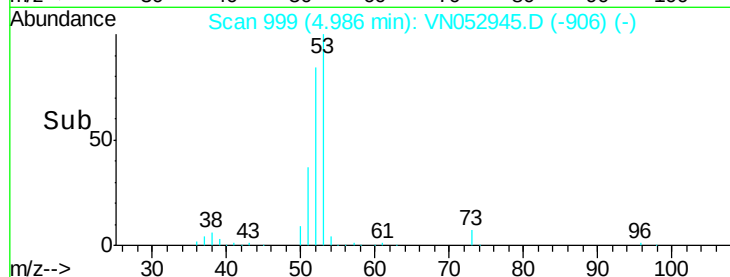
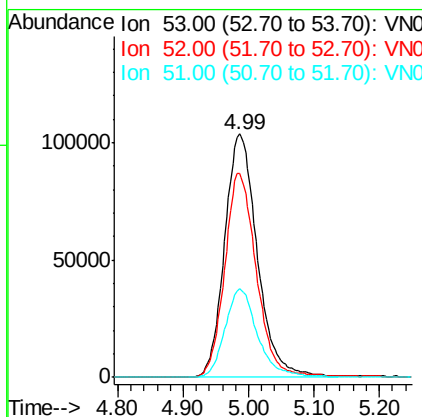
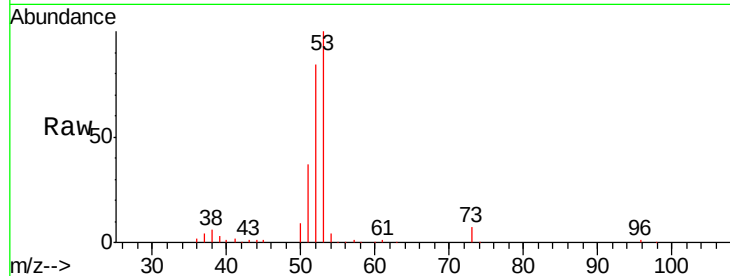
ClientSampleId :

VN1217MBS01

Tgt Ion:	53	Resp:	360339
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.1	97.7
51	36.3	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 95.693 ug/l

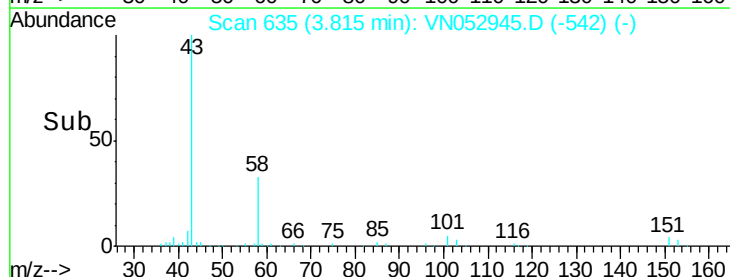
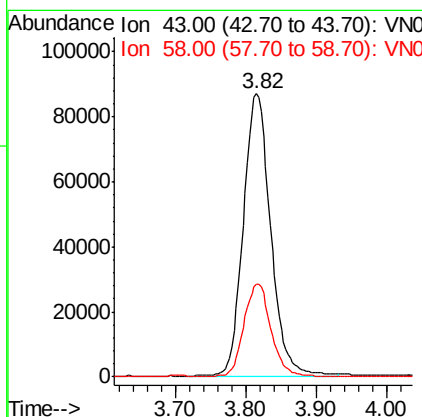
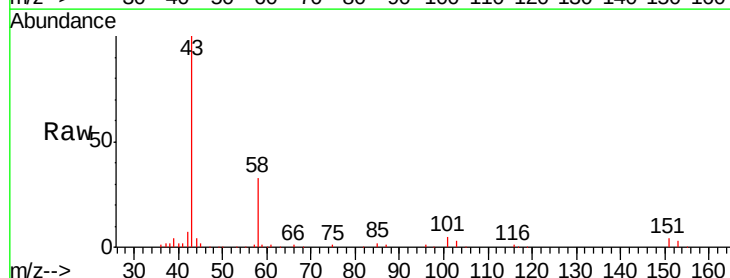
RT: 3.82 min Scan# 635

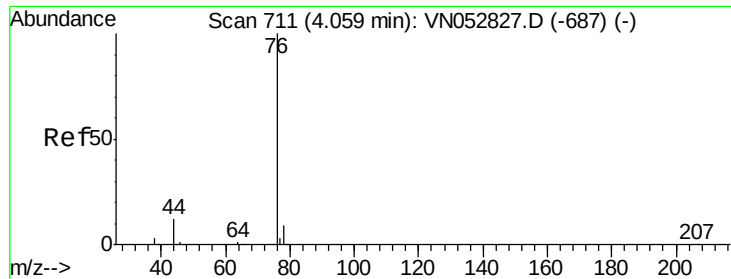
Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Tgt Ion:	43	Resp:	235960
Ion Ratio	Lower	Upper	
43	100		
58	32.5	25.4	38.0





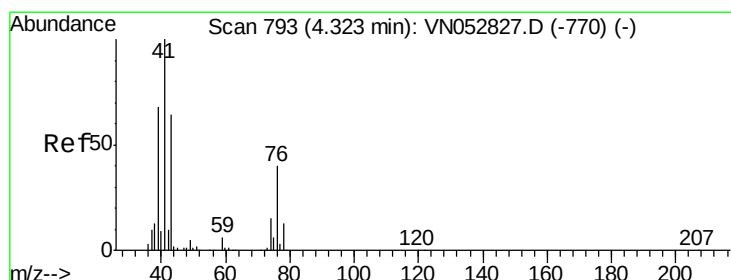
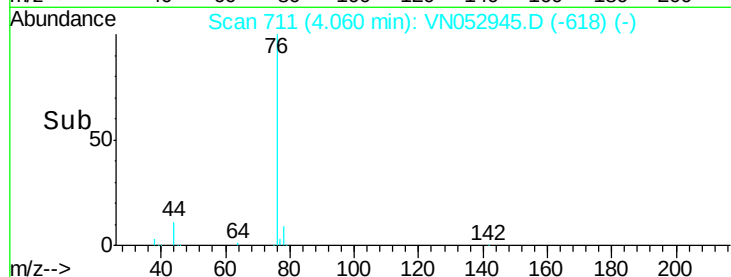
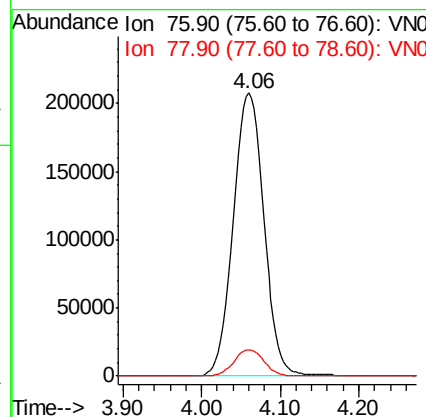
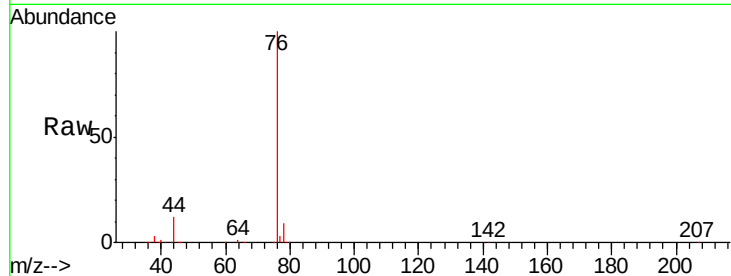
#17
Carbon Disulfide
Concen: 19.361 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

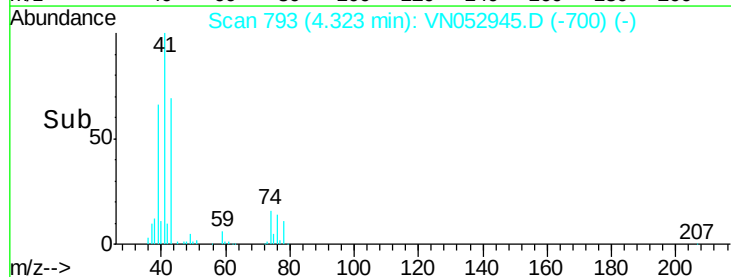
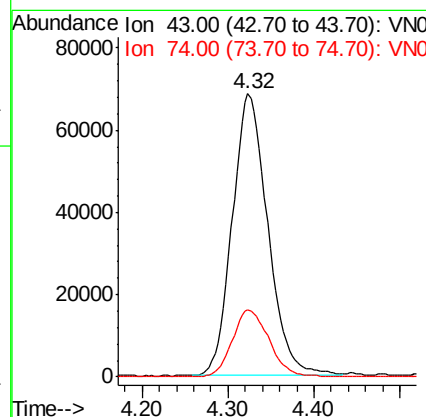
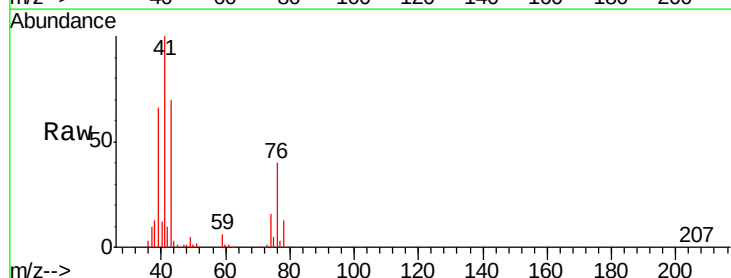
Manual Integrations
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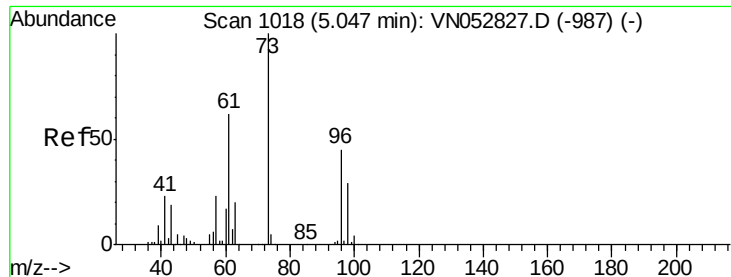
MMDadoda
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#18
Methyl Acetate
Concen: 21.753 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





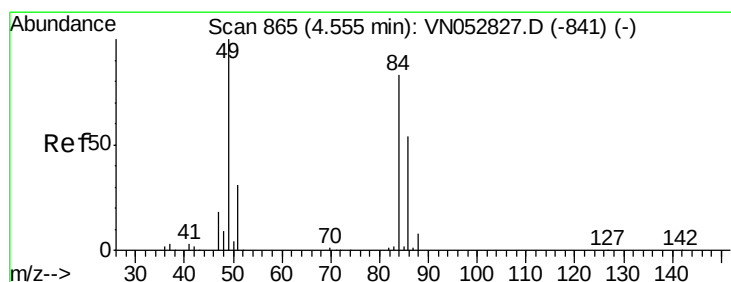
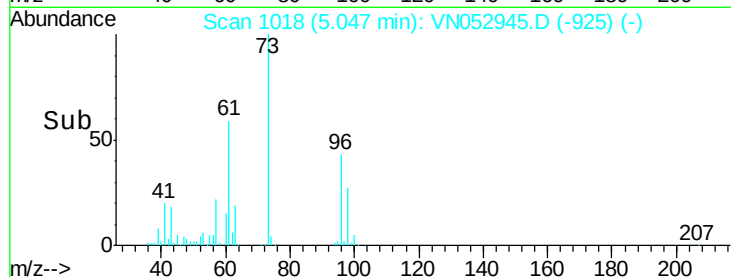
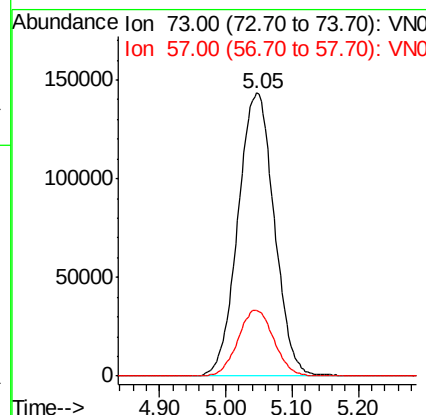
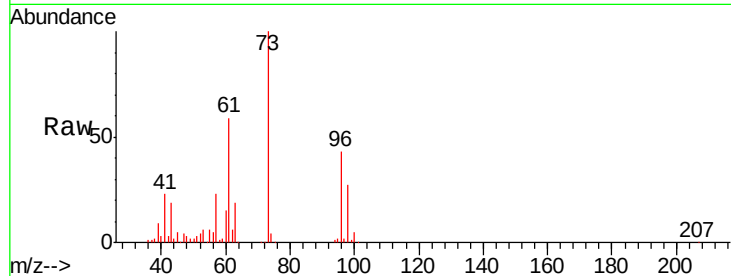
#19
Methyl tert-butyl Ether
Concen: 21.161 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion: 73 Resp: 545368
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6

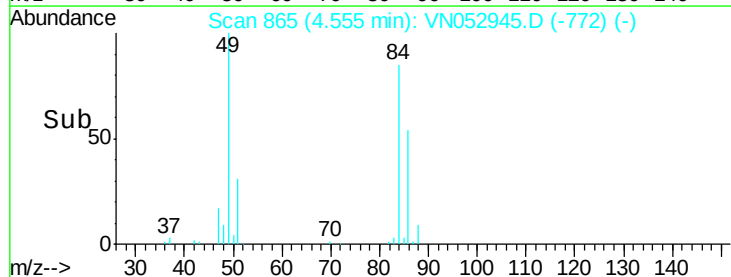
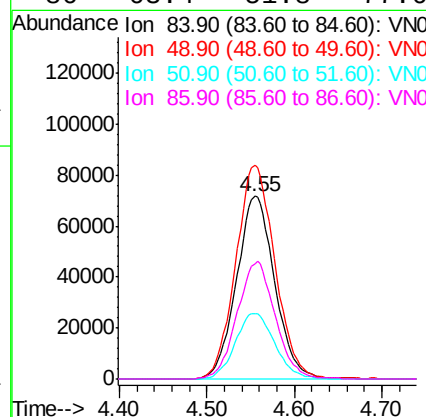
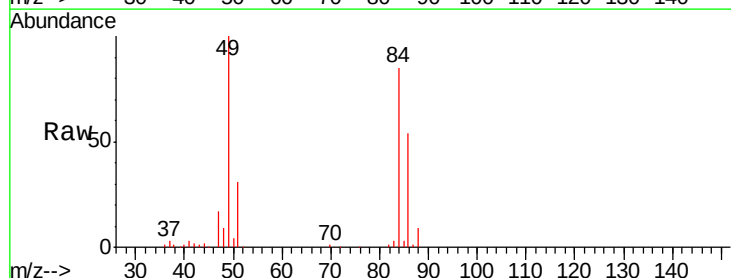
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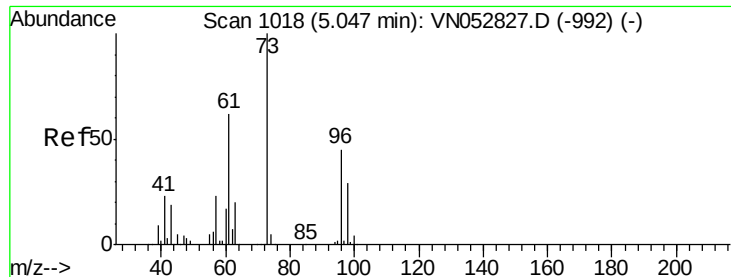
MMDadoda
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#20
Methylene Chloride
Concen: 19.594 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion: 84 Resp: 217429
Ion Ratio Lower Upper
84 100
49 117.1 96.8 145.2
51 35.8 29.9 44.9
86 63.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.721 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBSD01

Tgt Ion: 96 Resp: 202832

Ion Ratio Lower Upper

96 100

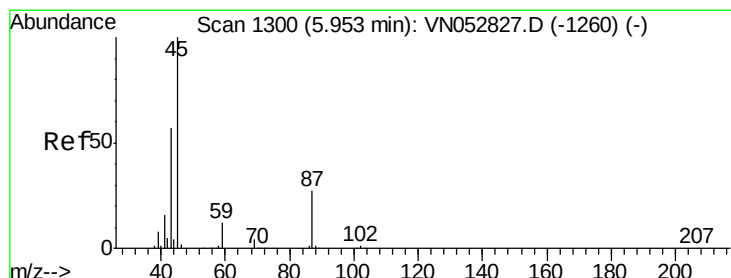
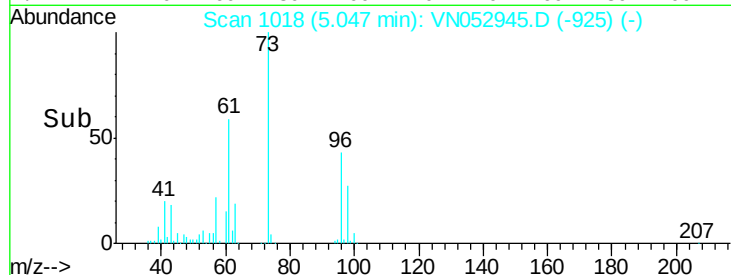
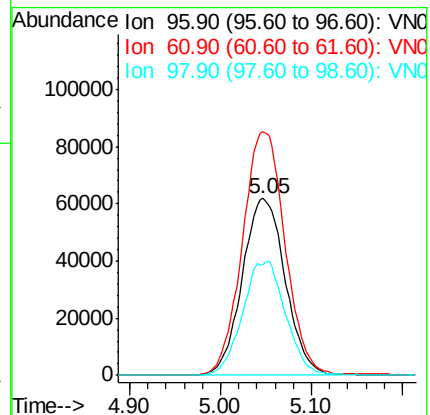
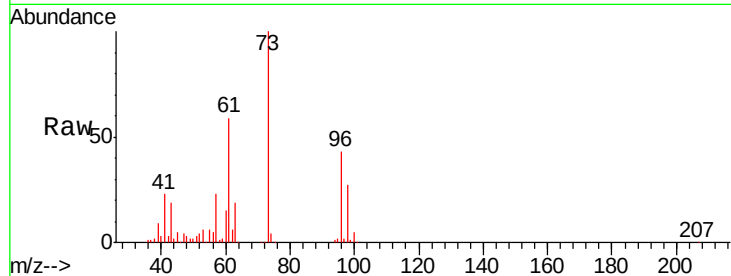
61 137.7 110.8 166.2

98 62.5 51.4 77.2

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#22

Diisopropyl ether

Concen: 20.097 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Tgt Ion: 45 Resp: 664809

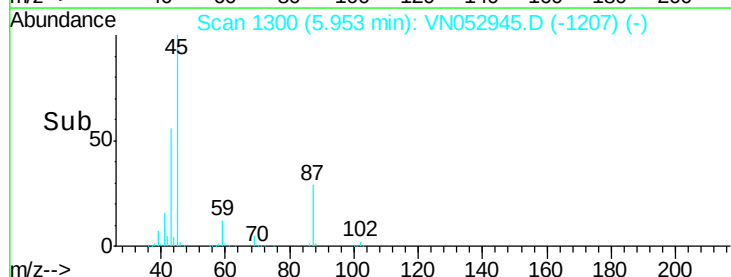
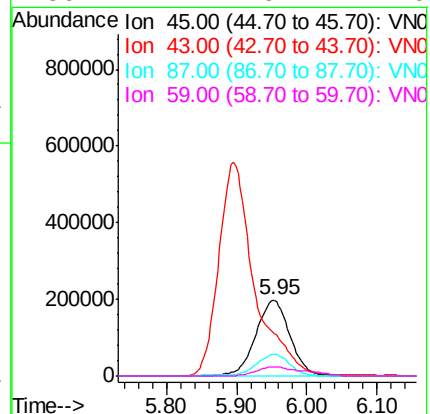
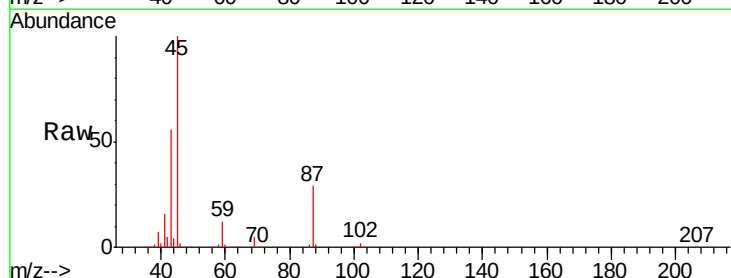
Ion Ratio Lower Upper

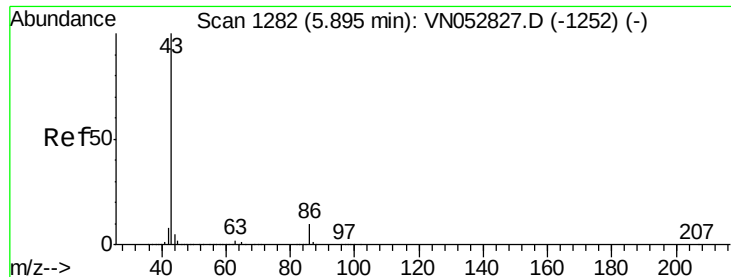
45 100

43 54.9 45.5 68.3

87 28.6 22.0 33.0

59 12.1 9.4 14.0





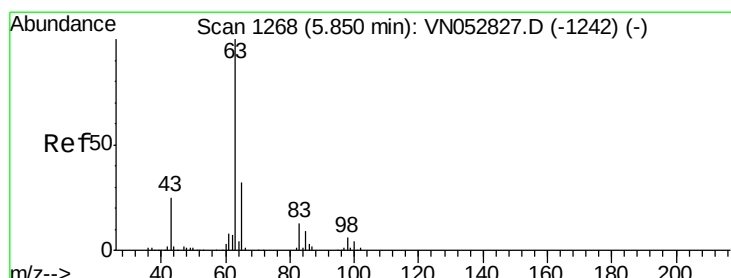
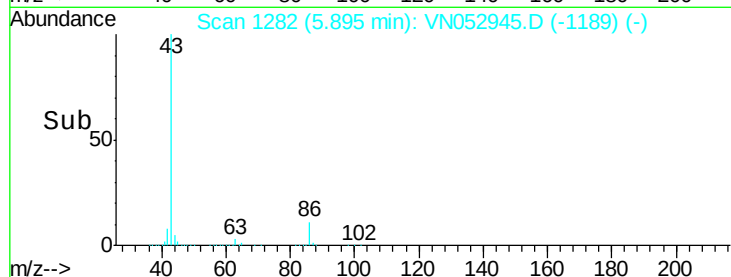
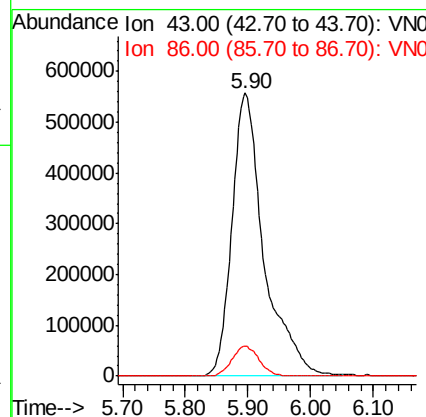
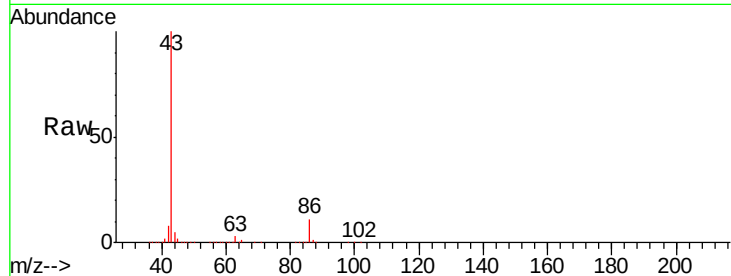
#23
 Vinyl Acetate
 Concen: 100.013 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBSD01

Tgt Ion: 43 Resp: 1968629
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.1 12.1

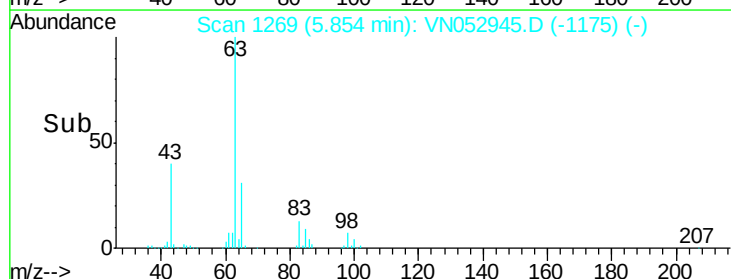
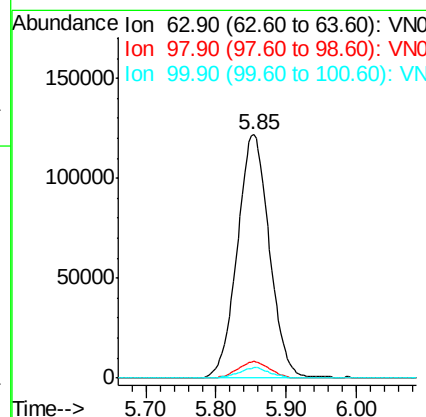
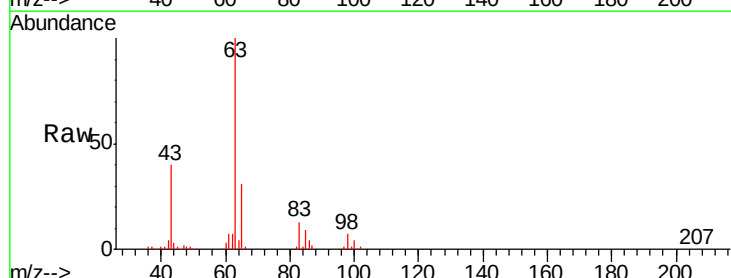
Manual Integrations
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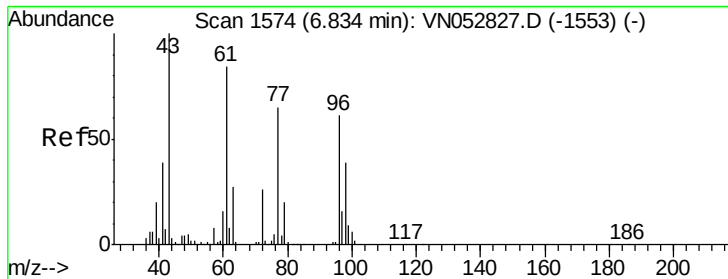
MMDadoda
 12/18/2018 1:33:58 PM



#24
 1,1-Dichloroethane
 Concen: 20.270 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Tgt Ion: 63 Resp: 386674
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.1 9.4
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 97.934 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion: 43 Resp: 374704

Ion Ratio Lower Upper

43 100

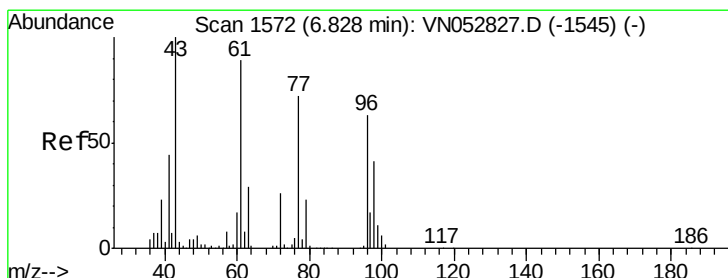
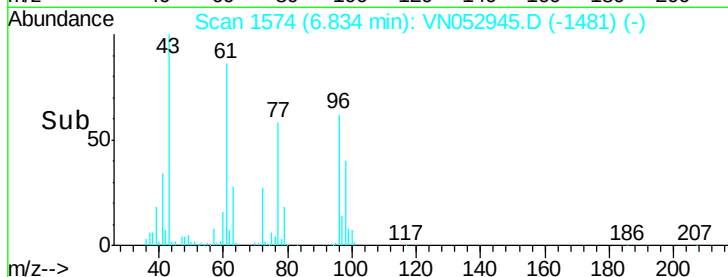
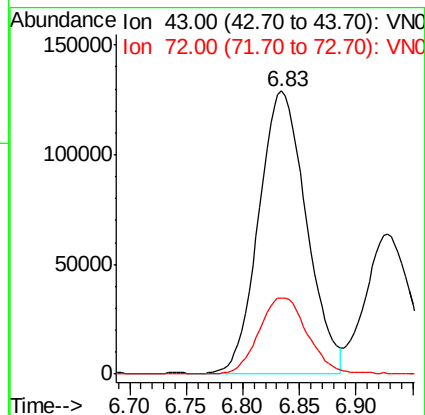
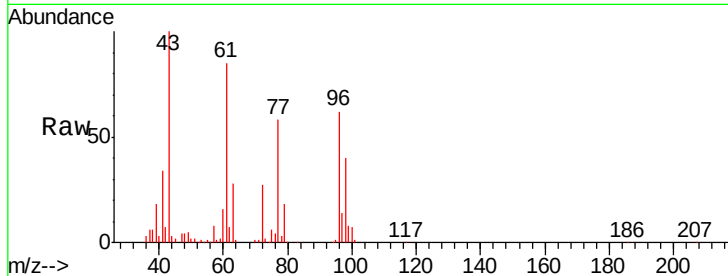
72 27.1 21.0 31.6

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 17.541 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052945.D

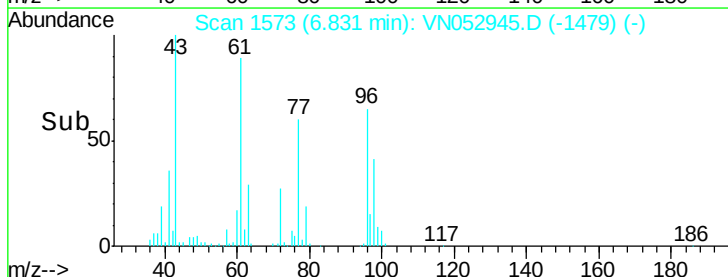
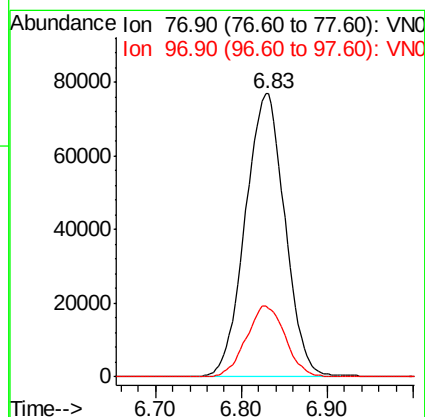
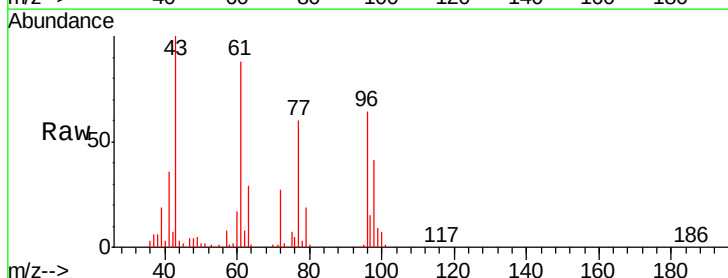
Acq: 18 Dec 2018 00:05

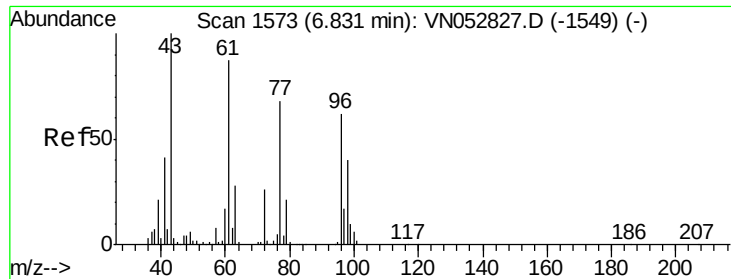
Tgt Ion: 77 Resp: 246421

Ion Ratio Lower Upper

77 100

97 24.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.186 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

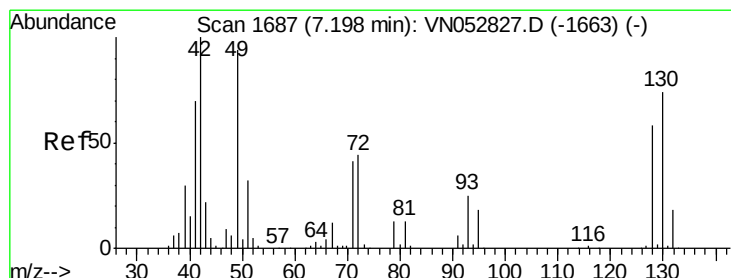
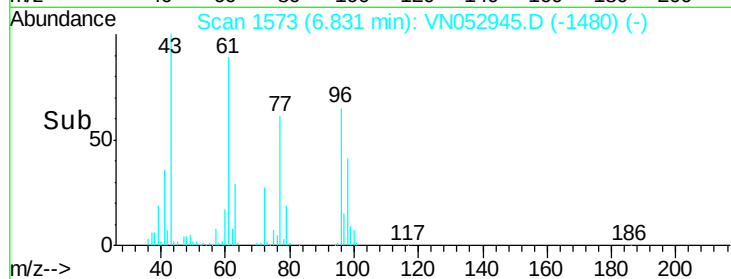
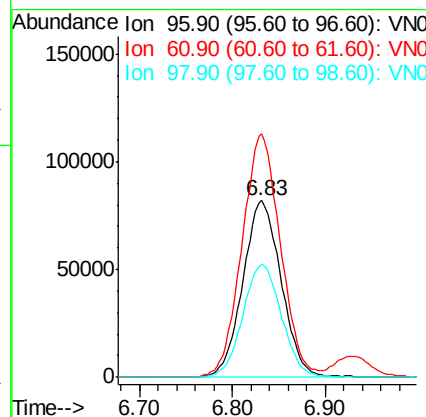
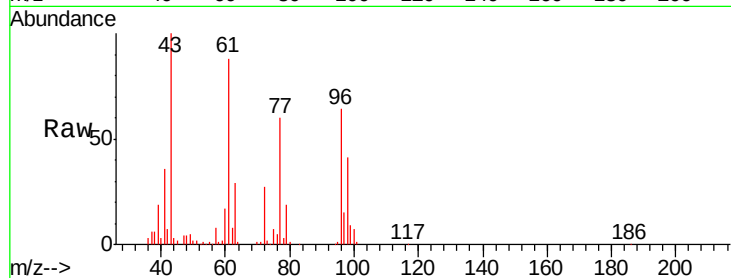
ClientSampleId :

VN1217MBS01

Tgt Ion:	96	Resp:	235634
Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	284.2
98	64.4	0.0	129.2

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#28

Bromochloromethane

Concen: 21.523 ug/l

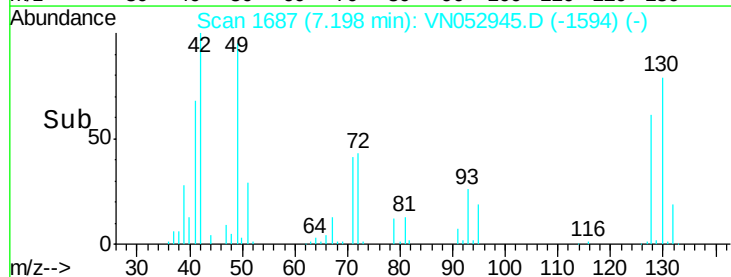
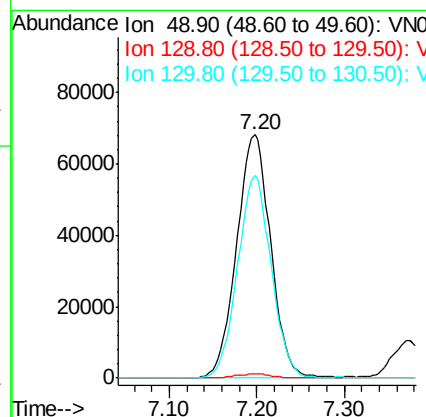
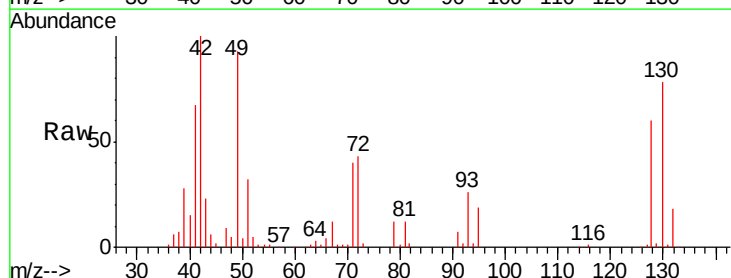
RT: 7.20 min Scan# 1687

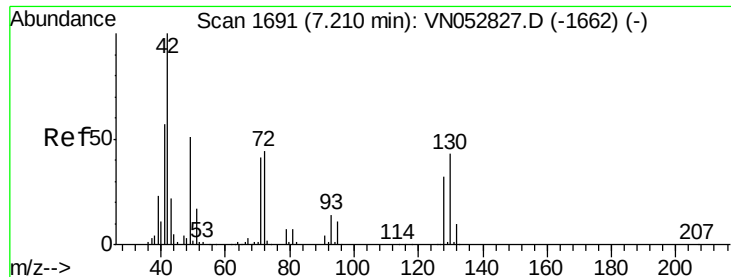
Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Tgt Ion:	49	Resp:	184367
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	82.3	63.3	94.9





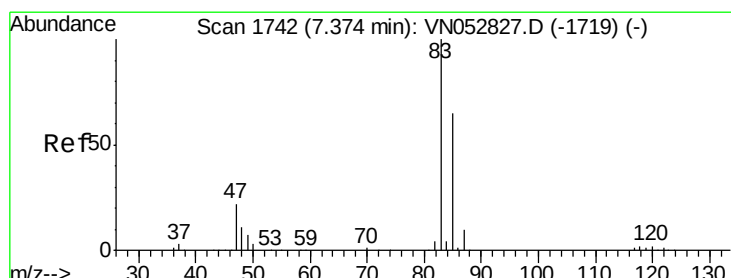
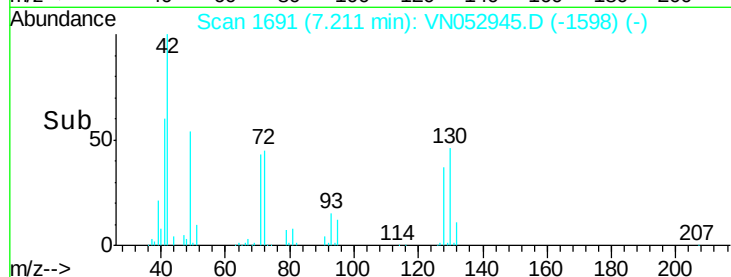
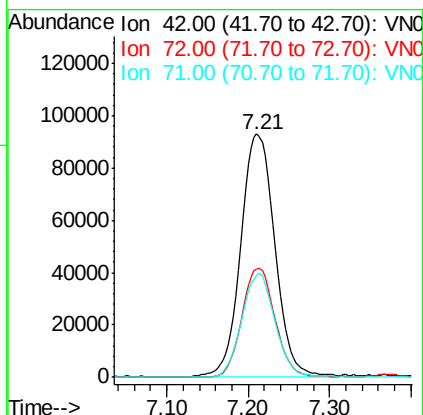
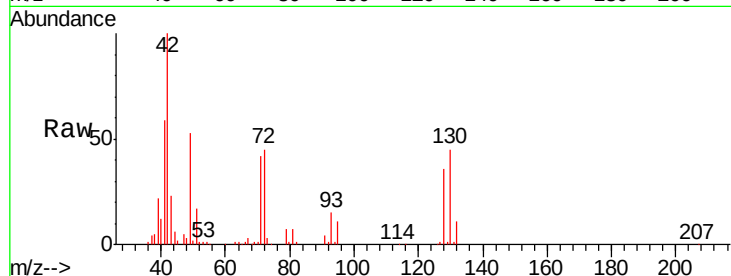
#29
Tetrahydrofuran
Concen: 102.088 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion: 42 Resp: 266654
Ion Ratio Lower Upper
42 100
72 43.7 34.7 52.1
71 42.1 32.3 48.5

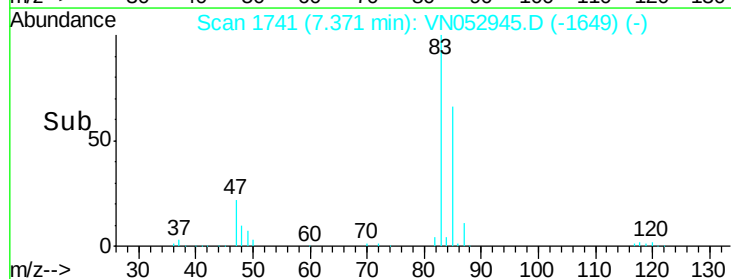
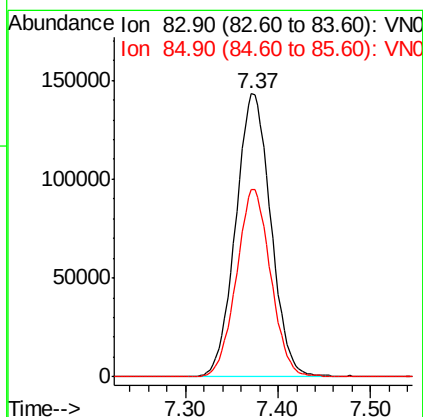
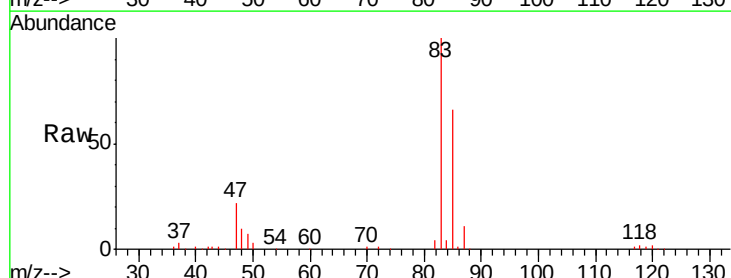
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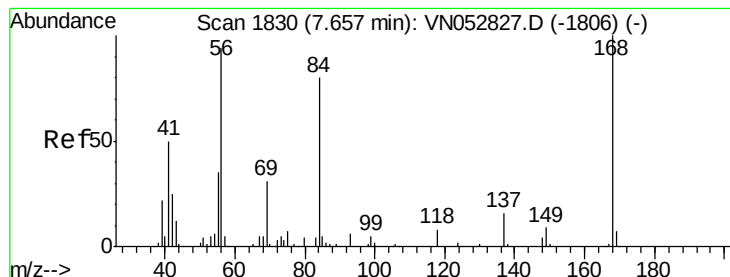
MMDadoda
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#30
Chloroform
Concen: 20.241 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion: 83 Resp: 376526
Ion Ratio Lower Upper
83 100
85 66.1 52.1 78.1





#31

Cyclohexane

Concen: 19.018 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBSD01

Tgt Ion: 56 Resp: 360520
Ion Ratio Lower Upper

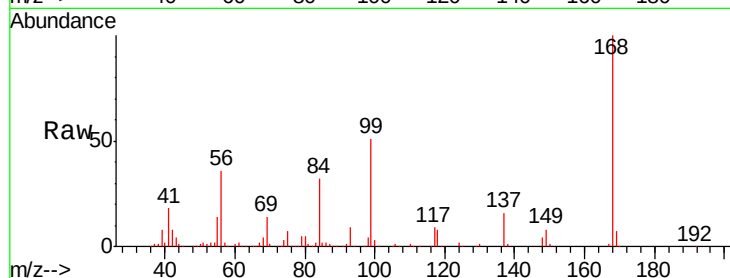
56 100

69 37.6 26.6 39.8

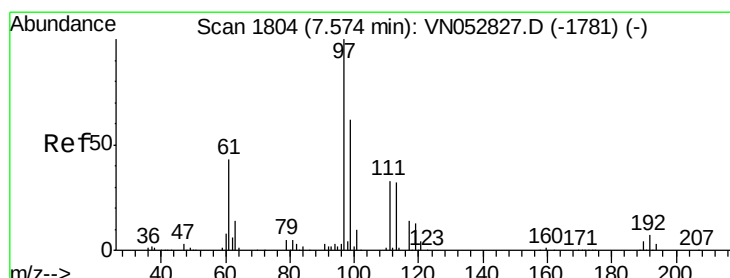
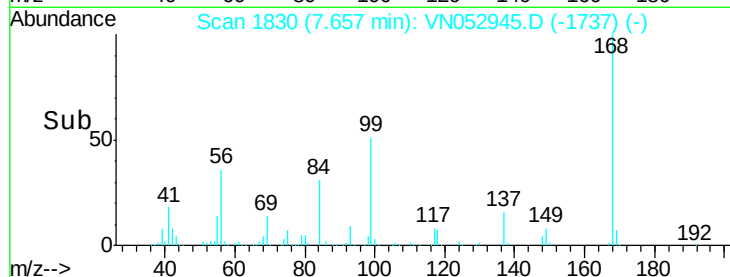
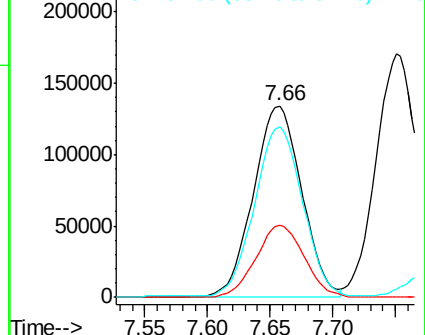
84 87.9 68.4 102.6

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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: 20.125 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052945.D

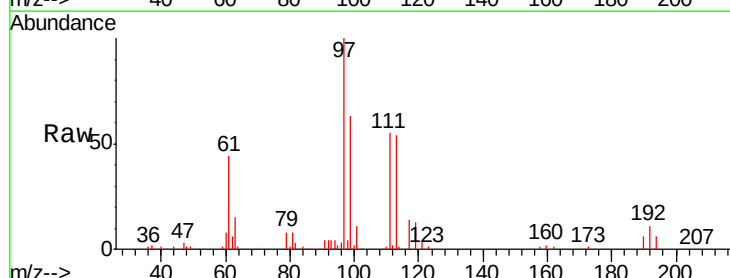
Acq: 18 Dec 2018 00:05

Tgt Ion: 97 Resp: 313224
Ion Ratio Lower Upper

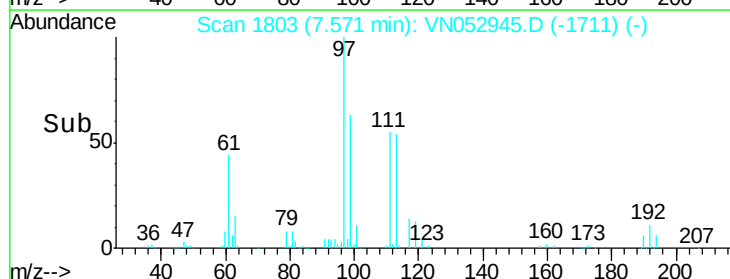
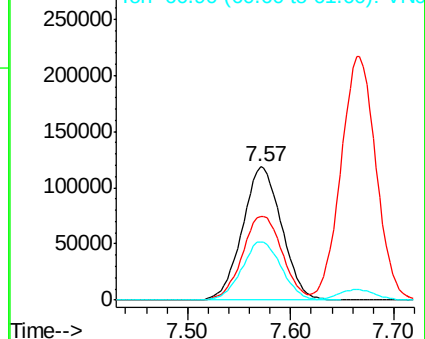
97 100

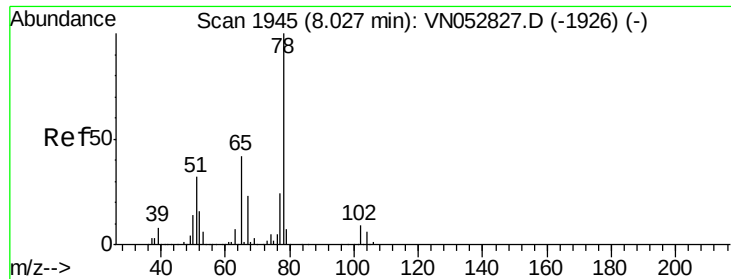
99 64.1 51.1 76.7

61 44.0 35.0 52.6



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





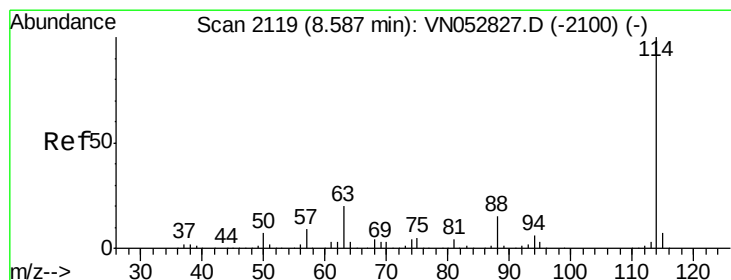
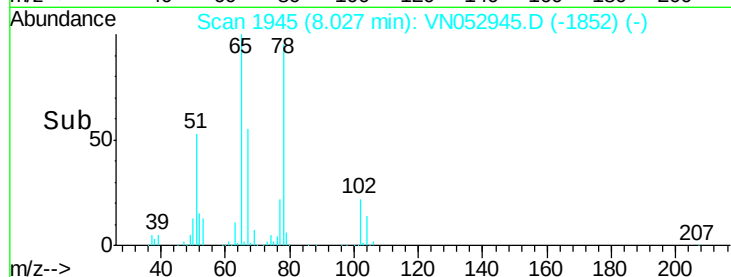
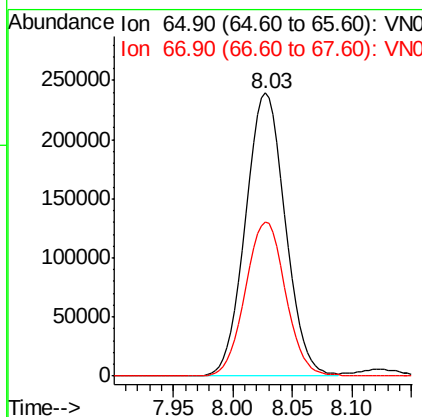
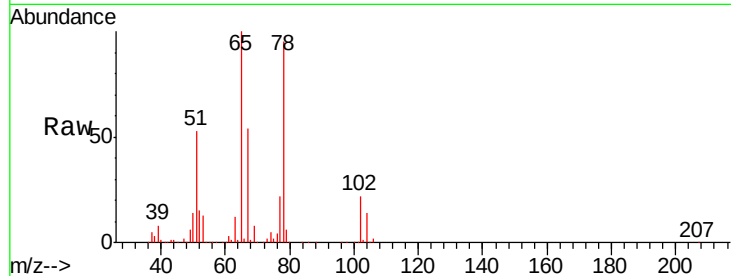
#33
 1,2-Dichloroethane-d4
 Concen: 20.125 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBSD01

Tgt Ion: 65 Resp: 555927
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4

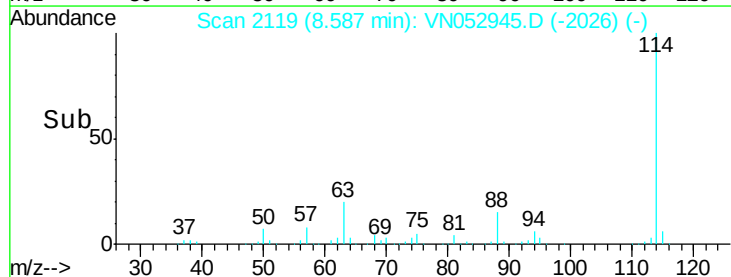
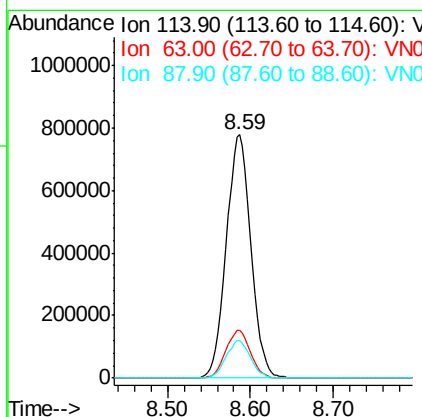
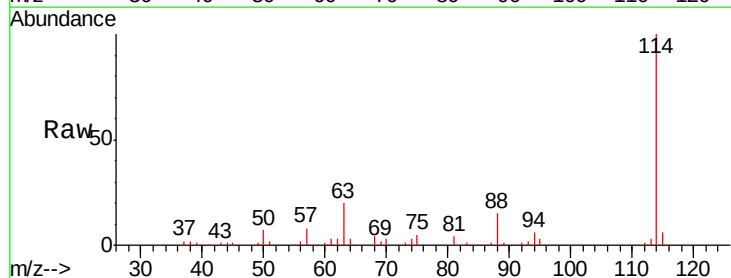
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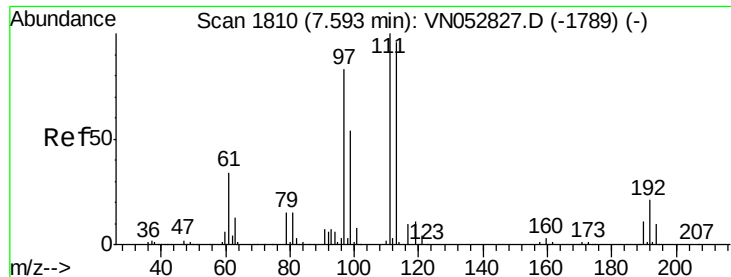
MMDadoda
 12/18/2018 1:33:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Tgt Ion: 114 Resp: 1607206
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.4 0.0 31.0





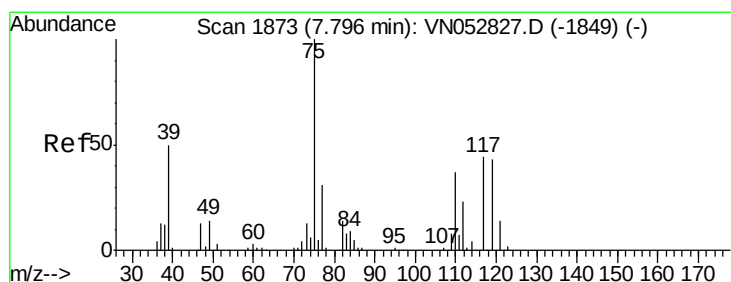
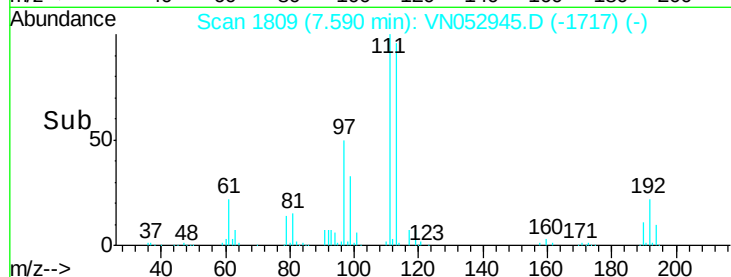
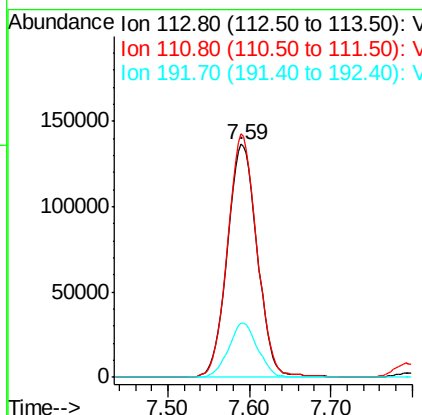
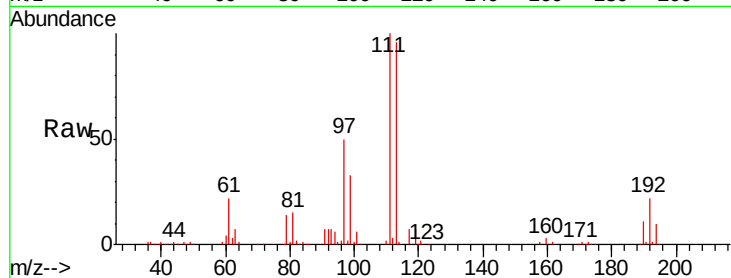
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	351374		
111	102.1	83.0	124.4	
192	22.6	17.5	26.3	

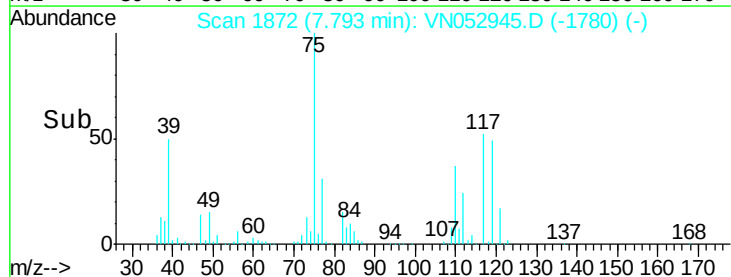
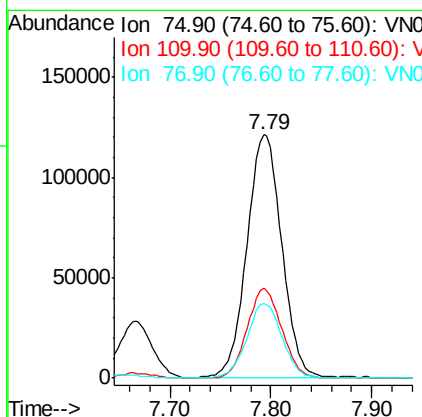
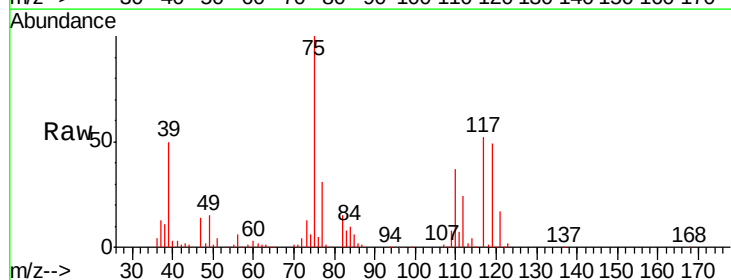
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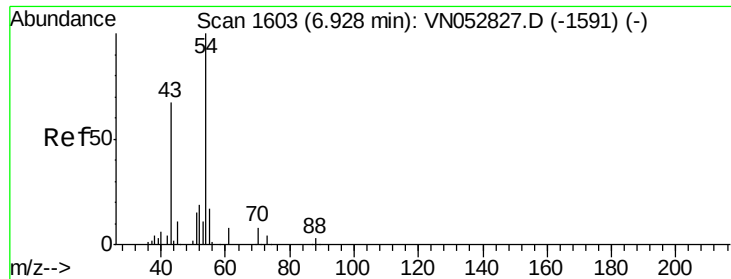
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.477 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	288268		
110	36.8	18.2	54.6	
77	31.5	24.9	37.3	





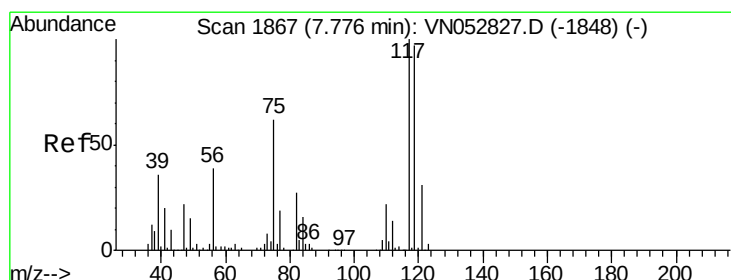
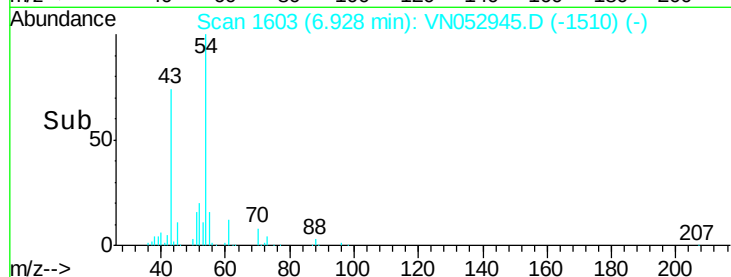
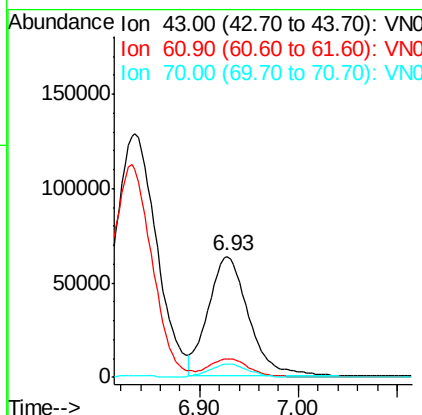
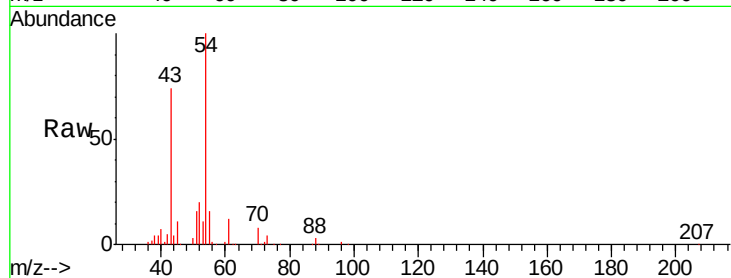
#37
Ethyl Acetate
Concen: 20.240 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.6
70	11.1	8.4	12.6

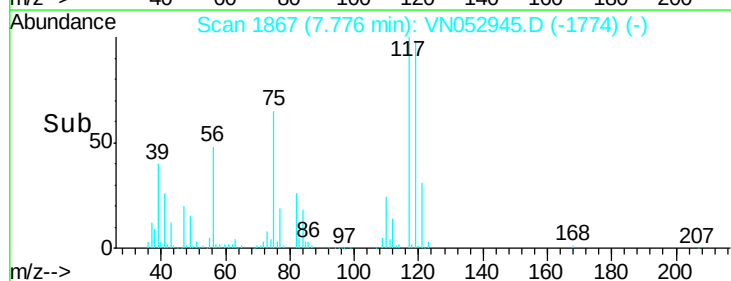
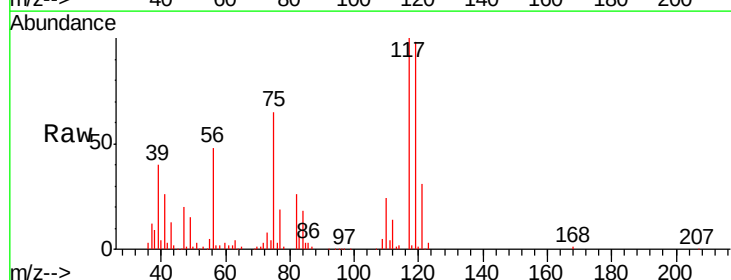
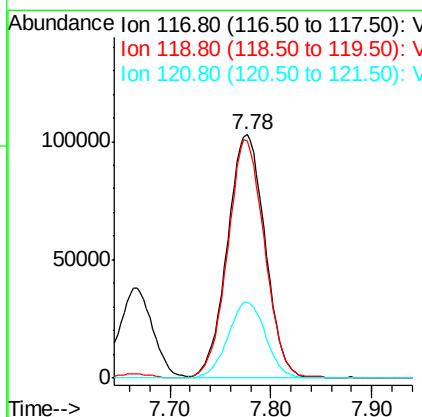
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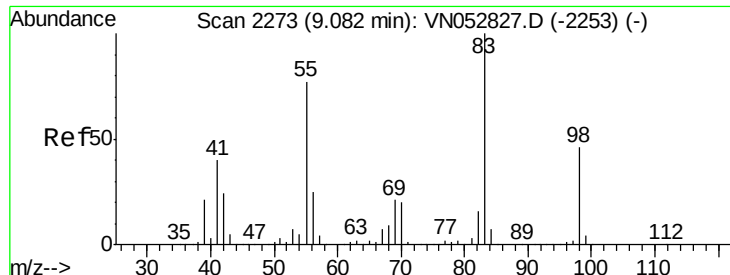
MMDadoda
12/18/2018 1:33:58 PM



#38
Carbon Tetrachloride
Concen: 19.536 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.1	115.7
121	31.5	24.9	37.3





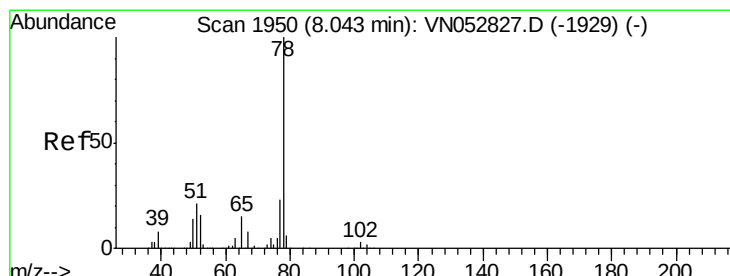
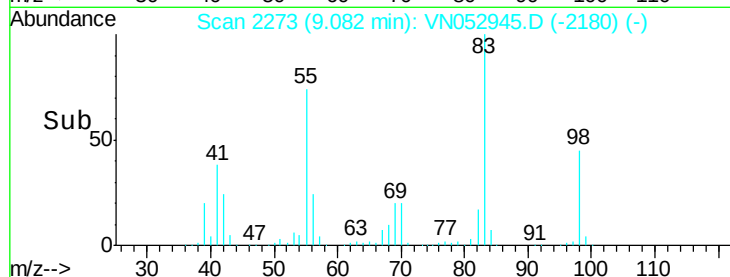
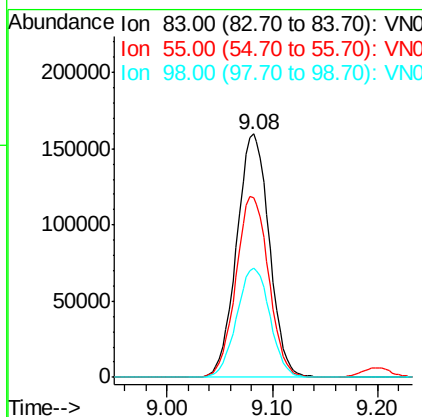
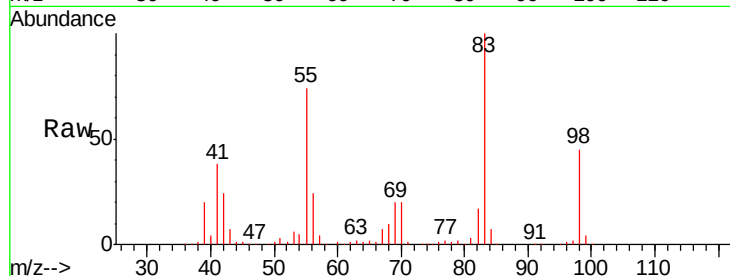
#39
Methylcyclohexane
Concen: 18.890 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.9	61.3	91.9
98	44.8	37.0	55.4

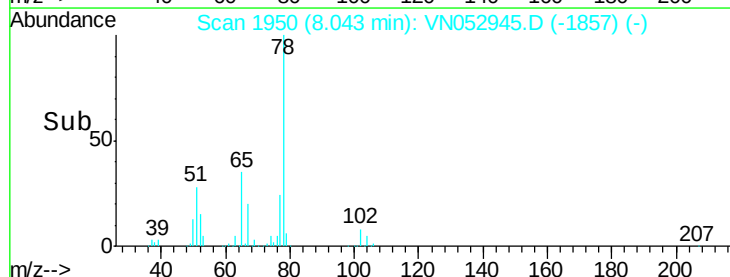
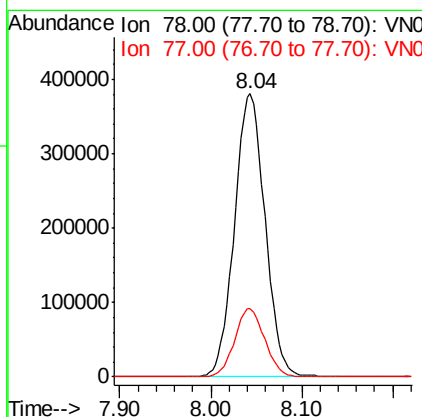
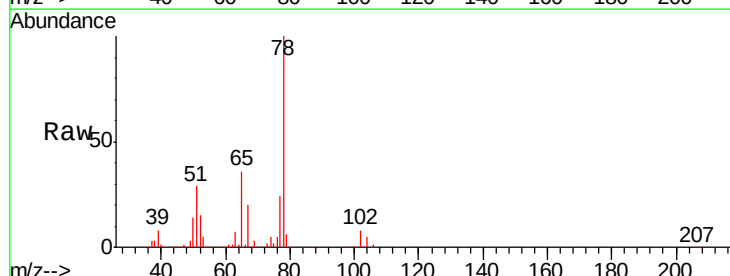
Manual Integrations
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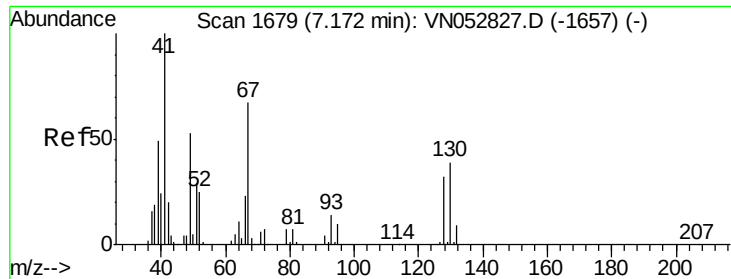
MMDadoda
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#40
Benzene
Concen: 20.003 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.5	27.7





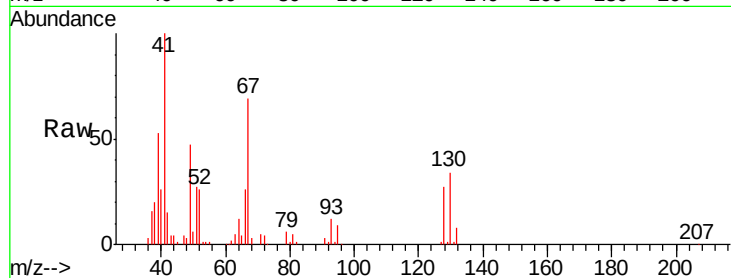
#41
Methacrylonitrile
Concen: 21.127 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.9	48.0	72.0
67	80.9	70.3	105.5
52	32.8	26.9	40.3

Manual Integrations
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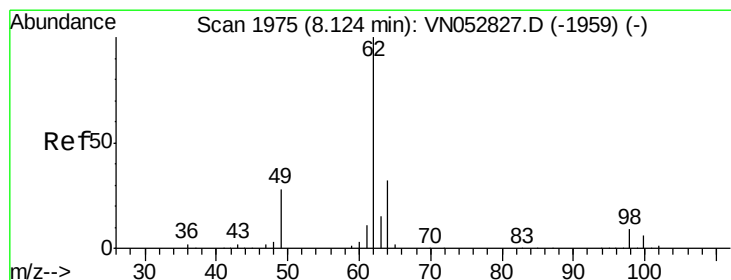
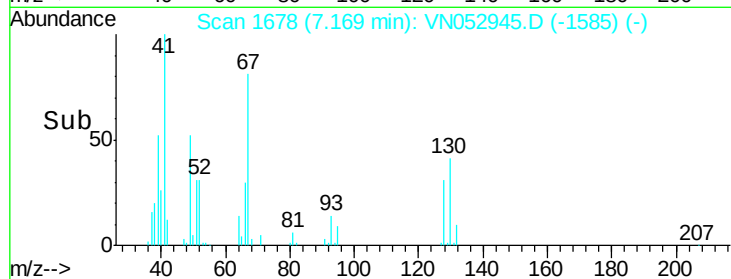
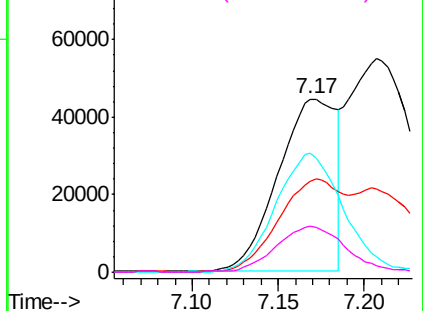


Abundance Ion 41.00 (40.70 to 41.70): VN052827.D (-1657) (-)

Ion 39.00 (38.70 to 39.70): VN052827.D (-1657) (-)

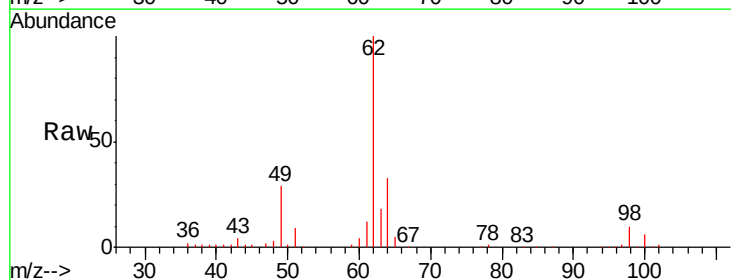
Ion 67.00 (66.70 to 67.70): VN052827.D (-1657) (-)

Ion 52.00 (51.70 to 52.70): VN052827.D (-1657) (-)



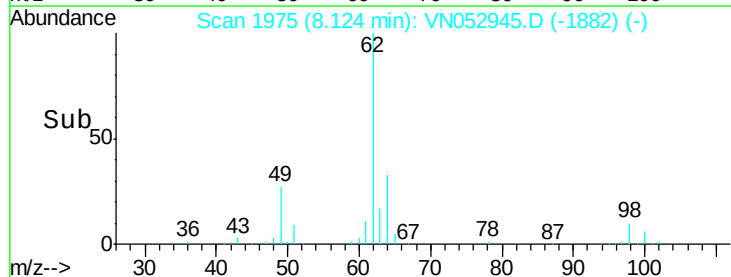
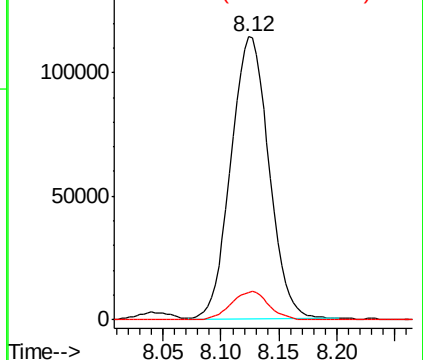
#42
1,2-Dichloroethane
Concen: 19.398 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

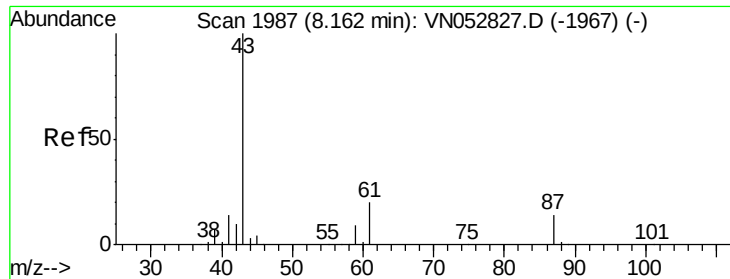
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN052827.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN052827.D (-1959) (-)





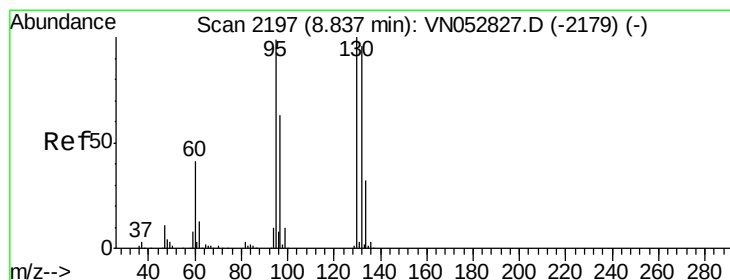
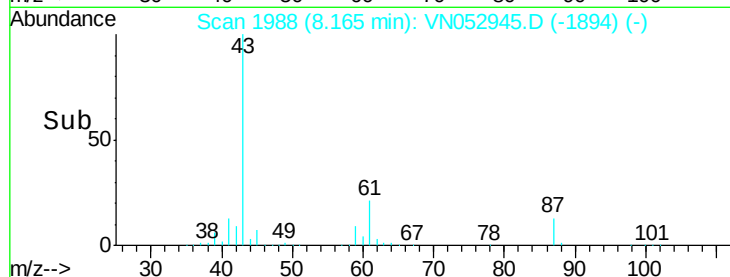
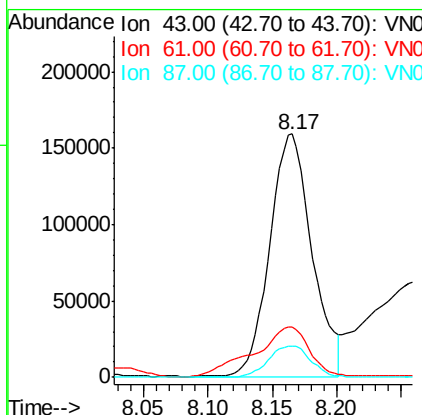
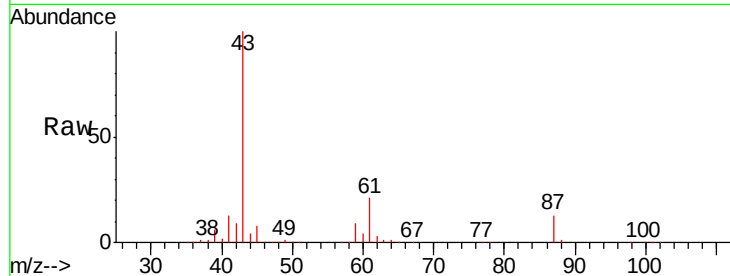
#43
Isopropyl Acetate
Concen: 19.828 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.1	22.9	34.3
87	13.1	10.6	15.8

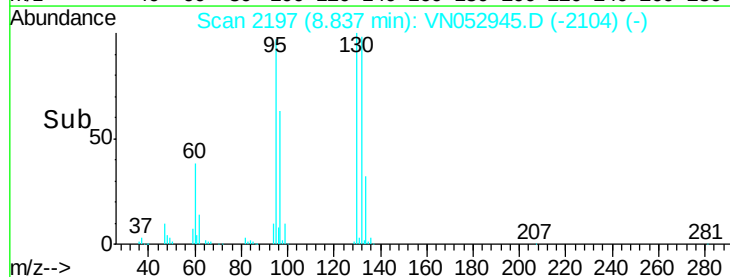
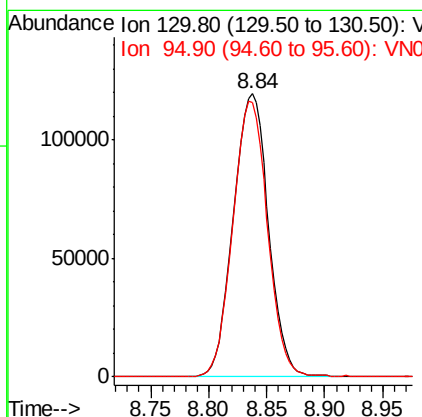
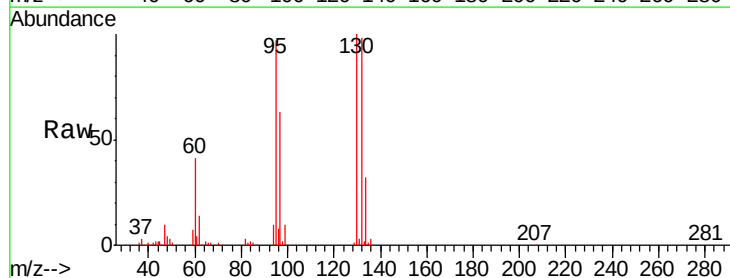
Manual Integrations
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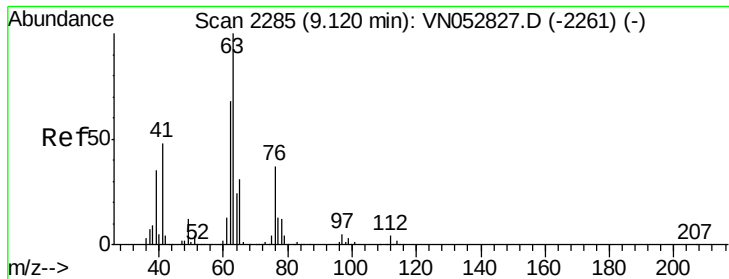
MMDadoda
12/18/2018 1:33:58 PM



#44
Trichloroethene
Concen: 20.881 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	197.8





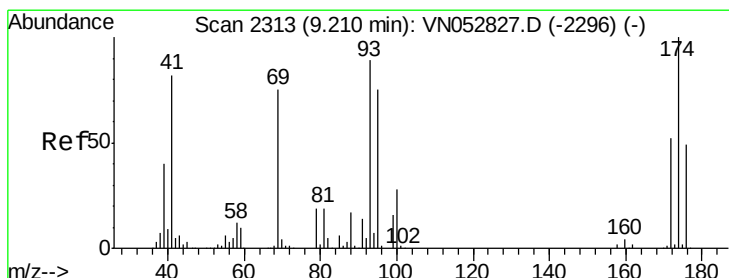
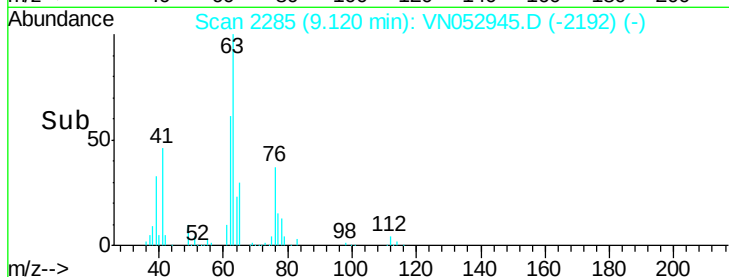
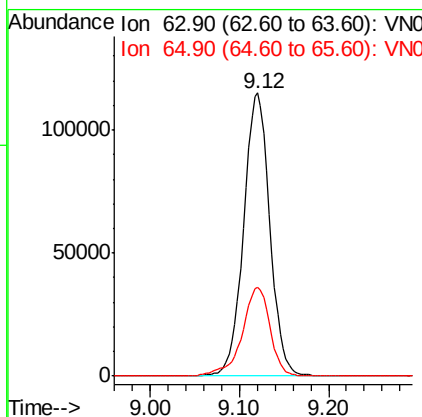
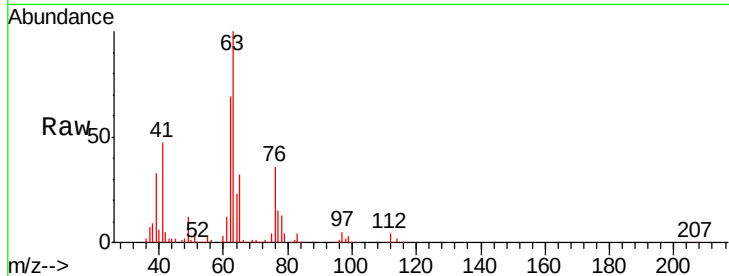
#45
 1,2-Dichloropropane
 Concen: 20.177 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBSD01

Tgt Ion: 63 Resp: 234754
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 37.0

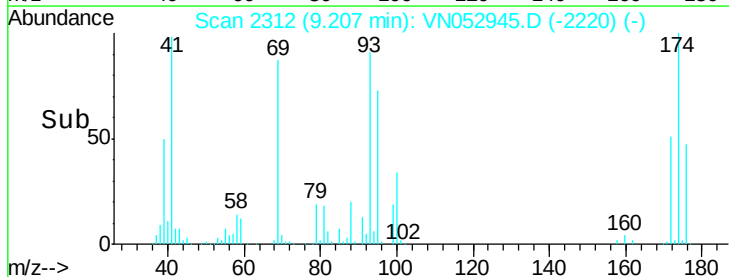
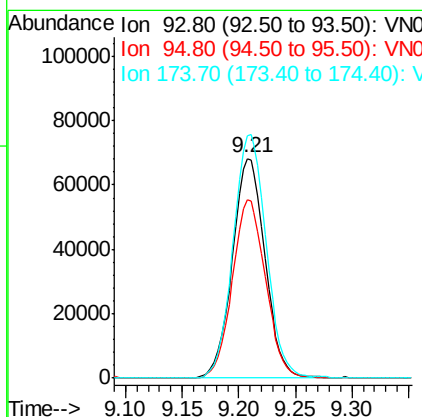
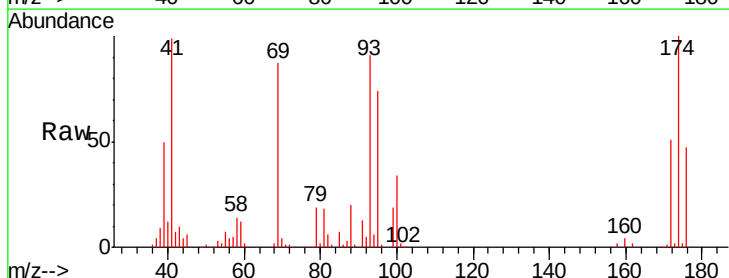
Manual Integrations
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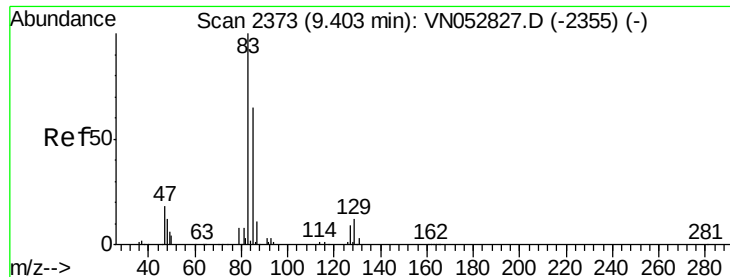
MMDadoda
 12/18/2018 1:33:58 PM



#46
 Dibromomethane
 Concen: 20.395 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Tgt Ion: 93 Resp: 137616
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.8 101.6
 174 112.3 89.0 133.4





#47

Bromodichloromethane

Concen: 20.351 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

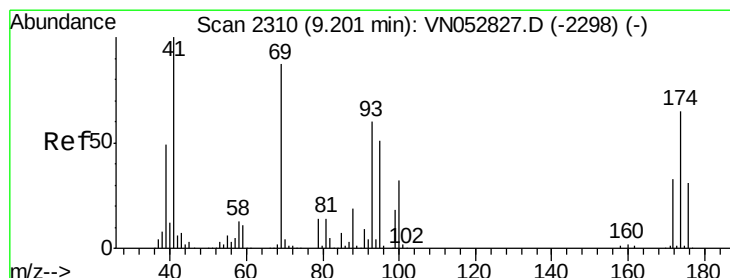
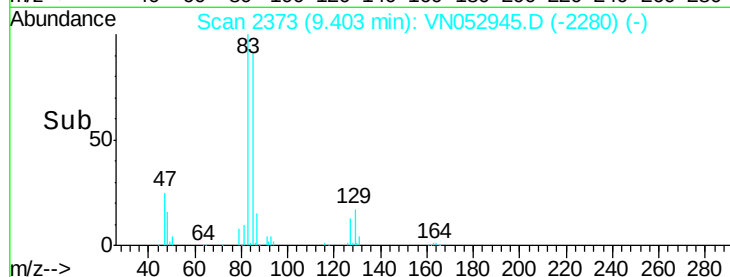
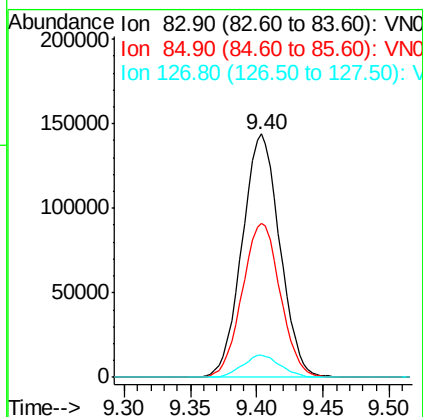
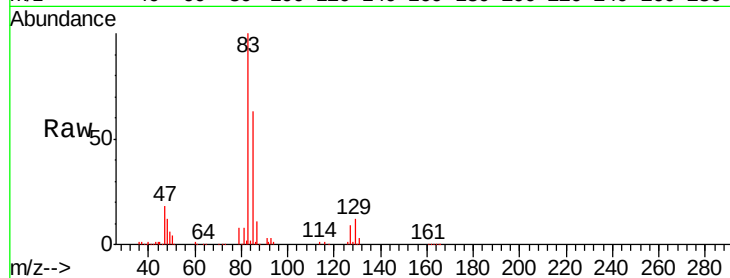
ClientSampleId :

VN1217MBSD01

Tgt Ion:	83	Resp:	284768
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4
127	9.3	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.913 ug/l

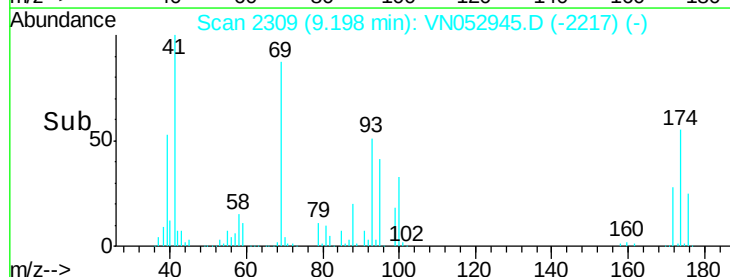
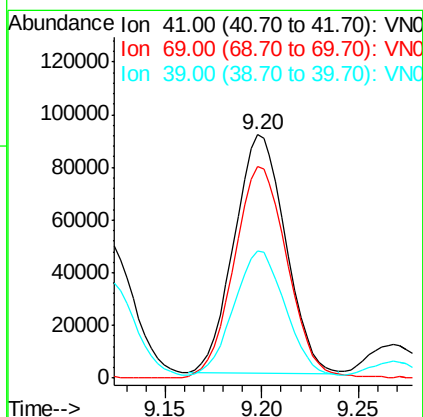
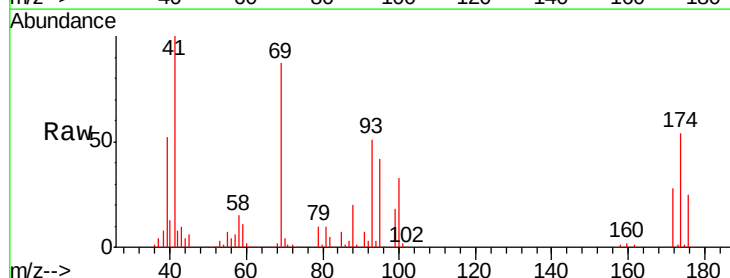
RT: 9.20 min Scan# 2309

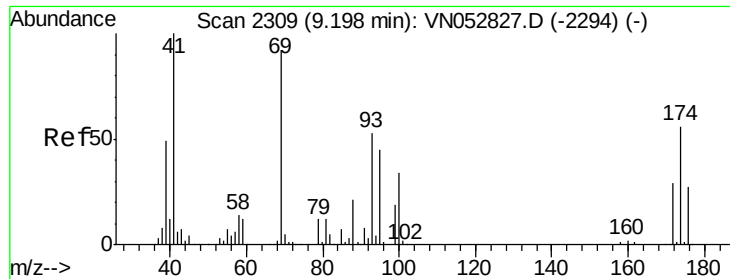
Delta R.T. -0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Tgt Ion:	41	Resp:	167182
Ion	Ratio	Lower	Upper
41	100		
69	92.2	72.2	108.2
39	54.2	41.9	62.9





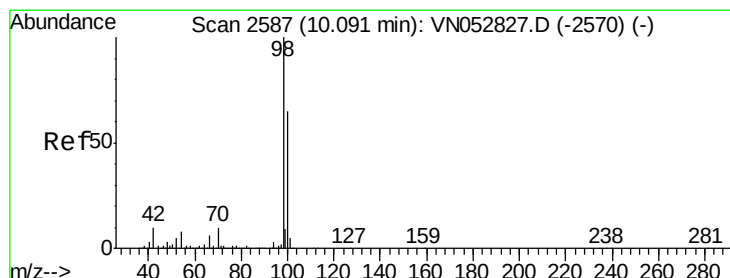
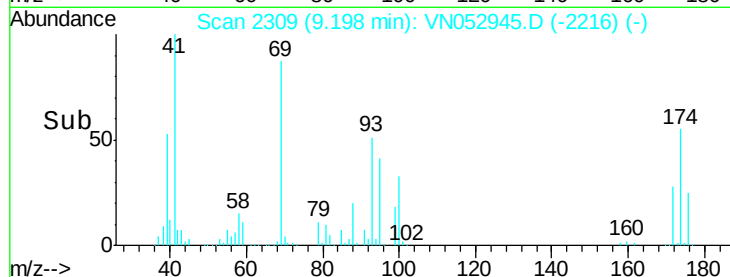
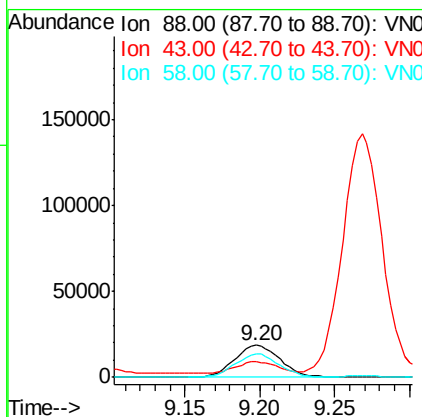
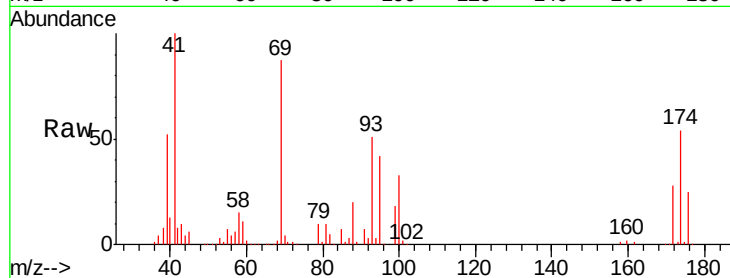
#49
1,4-Dioxane
Concen: 434.873 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.6	40.0
58	71.3	58.4	87.6

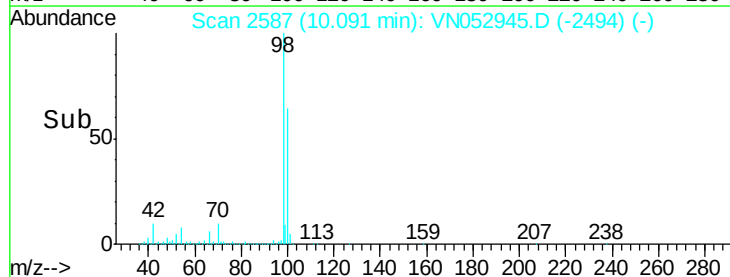
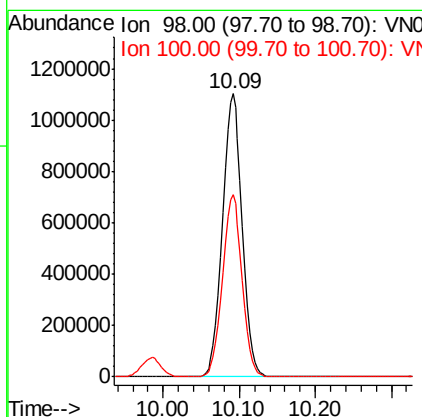
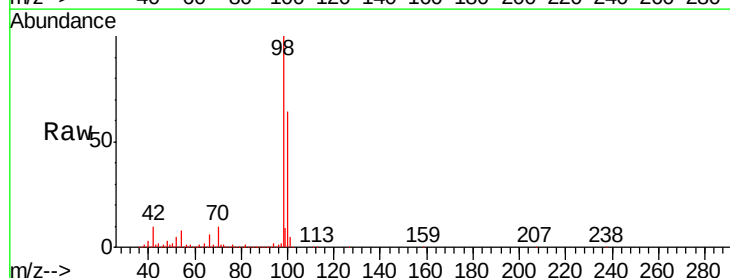
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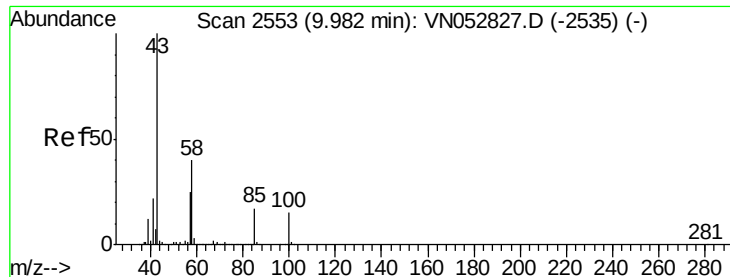
MMDadoda
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#50
Toluene-d8
Concen: 434.873 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4





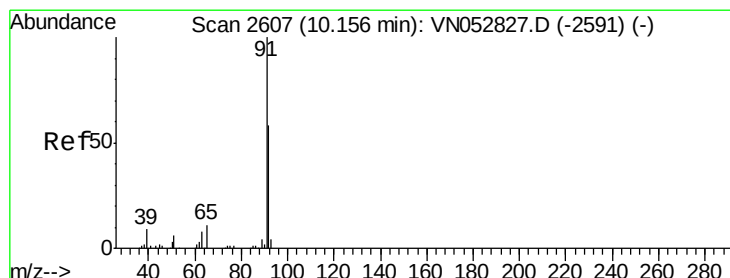
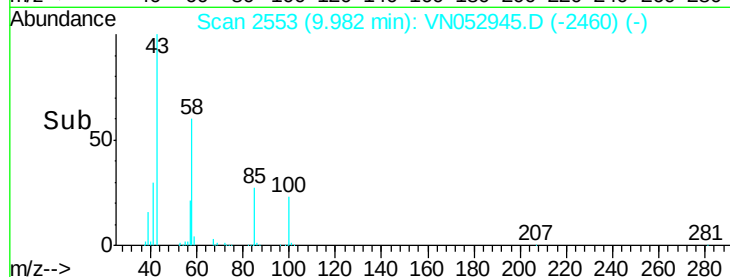
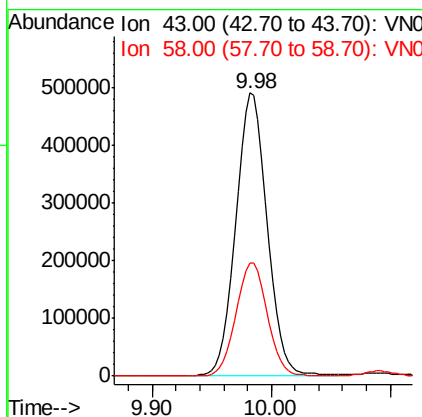
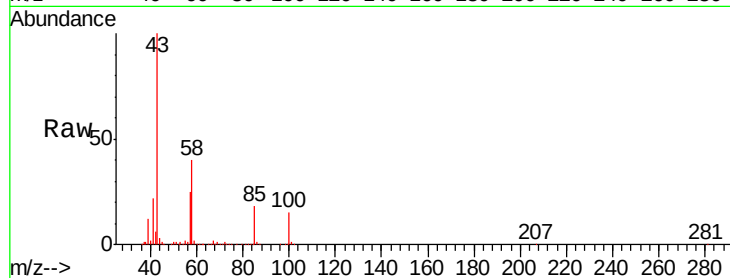
#51
4-Methyl-2-Pentanone
Concen: 106.306 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion: 43 Resp: 888589
Ion Ratio Lower Upper
43 100
58 40.6 32.2 48.4

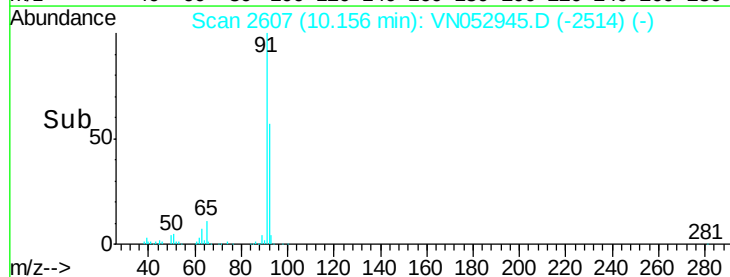
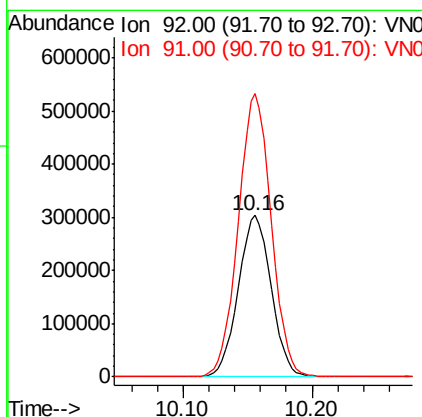
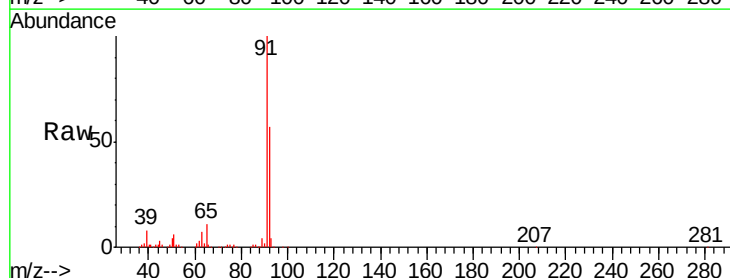
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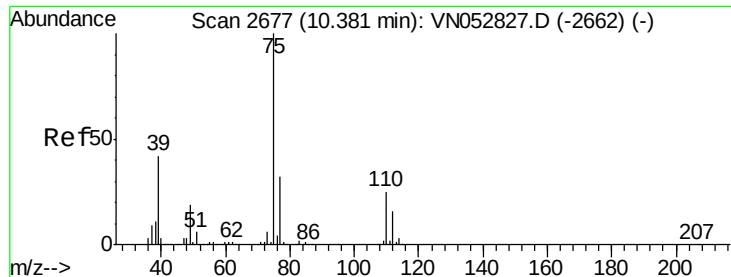
MMDadoda
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#52
Toluene
Concen: 19.987 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion: 92 Resp: 537722
Ion Ratio Lower Upper
92 100
91 176.3 139.8 209.6





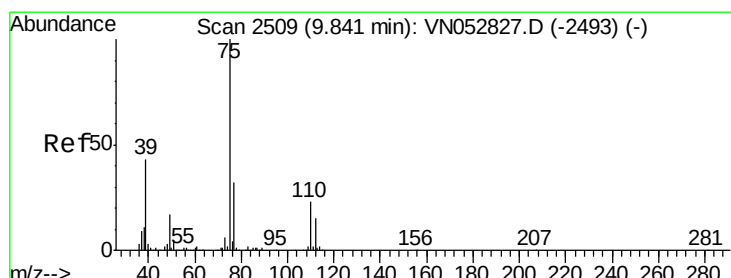
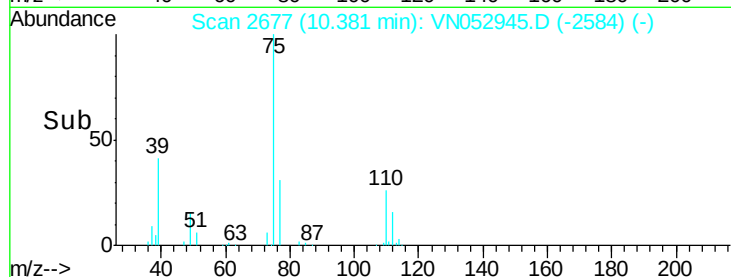
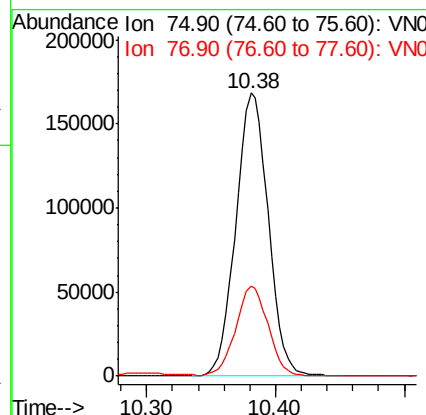
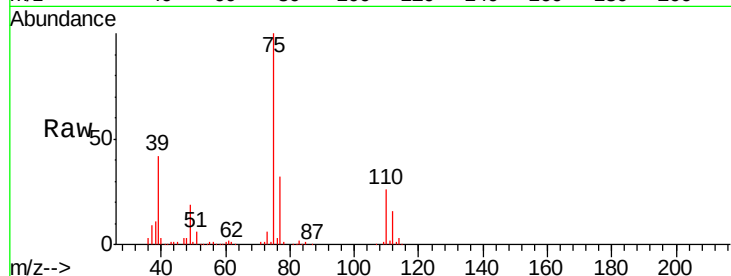
#53
t-1,3-Dichloropropene
Concen: 20.914 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion: 75 Resp: 294472
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4

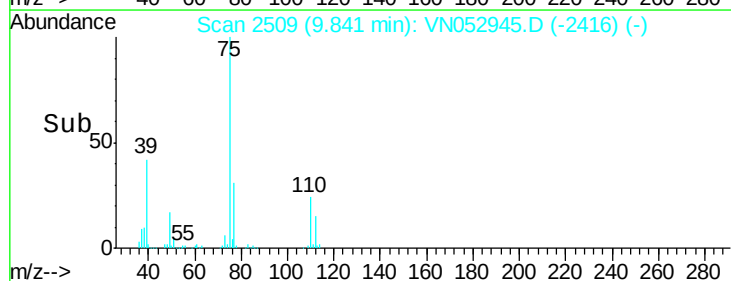
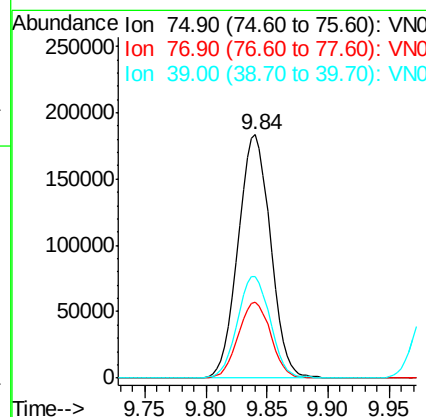
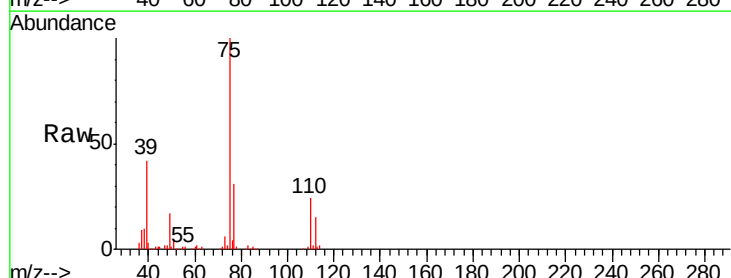
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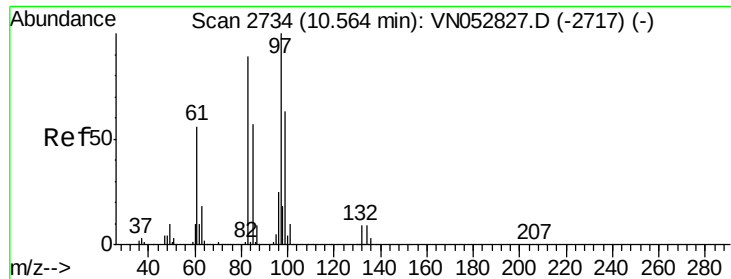
MMDadoda
12/18/2018 1:33:58 PM



#54
cis-1,3-Dichloropropene
Concen: 20.189 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion: 75 Resp: 338743
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.8
39 41.7 34.8 52.2





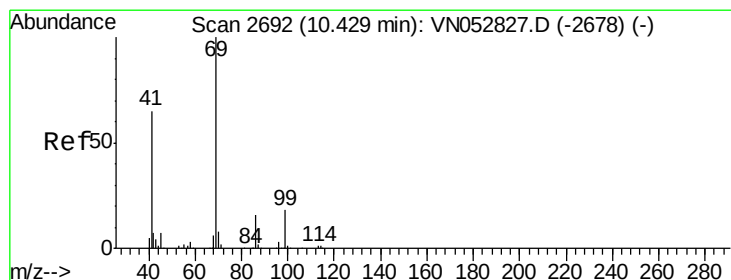
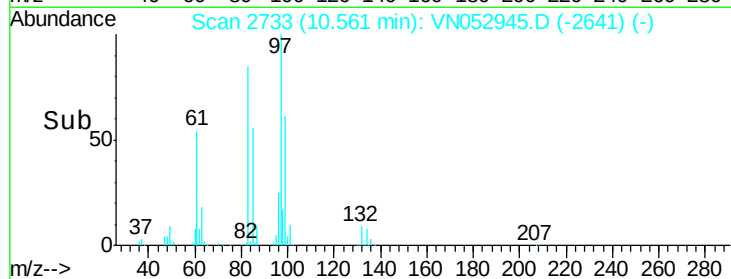
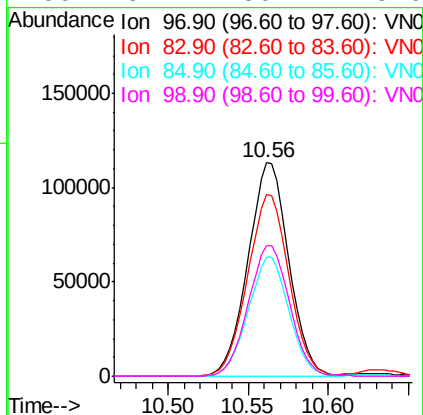
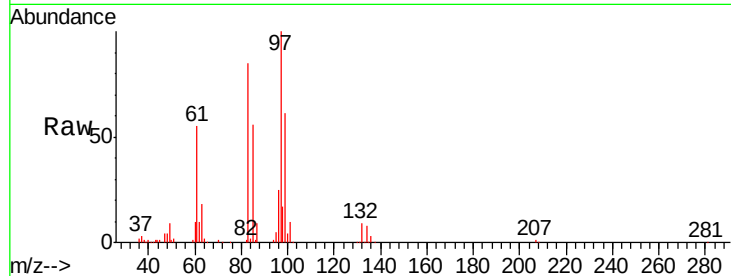
#55
 1,1,2-Trichloroethane
 Concen: 20.647 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.9	106.3
85	55.6	45.4	68.2
99	61.4	50.4	75.6

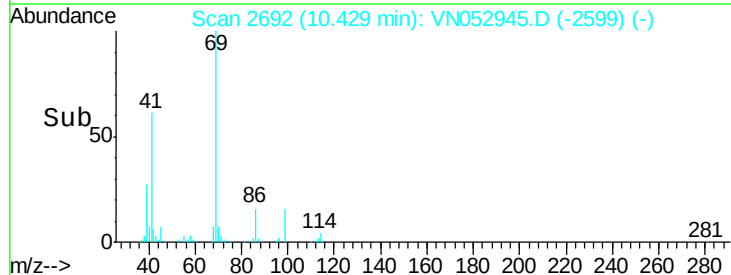
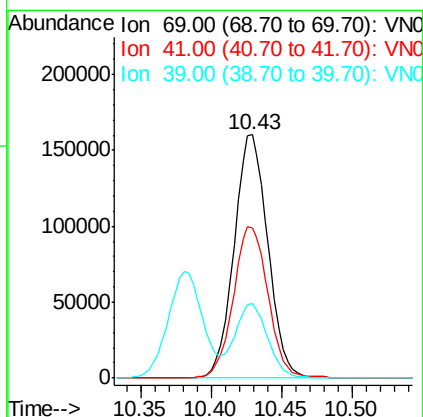
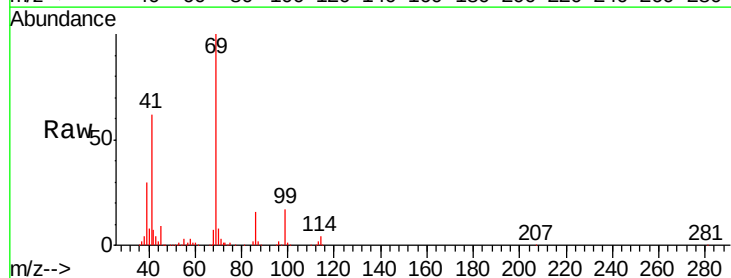
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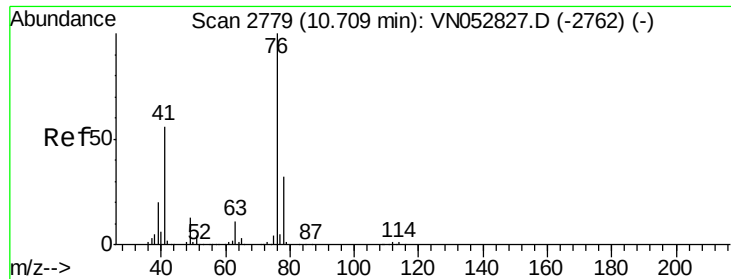
MMDadoda
 12/18/2018 1:33:58 PM



#56
 Ethyl methacrylate
 Concen: 21.837 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.7	77.5
39	29.7	24.6	37.0





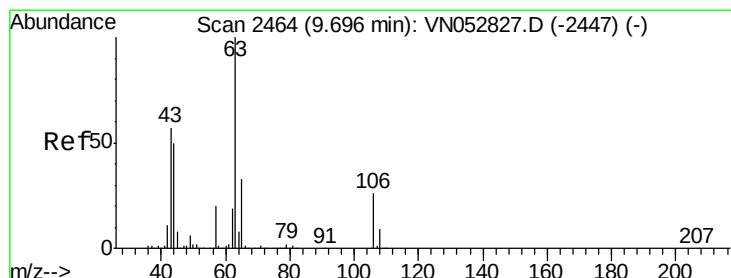
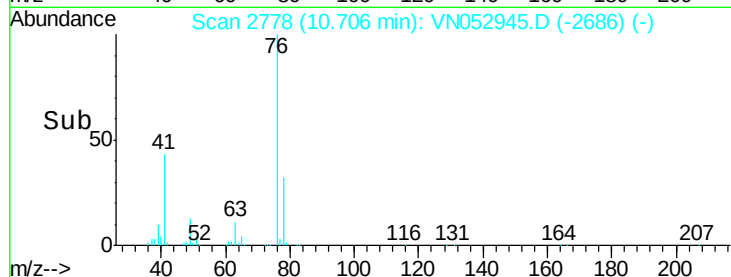
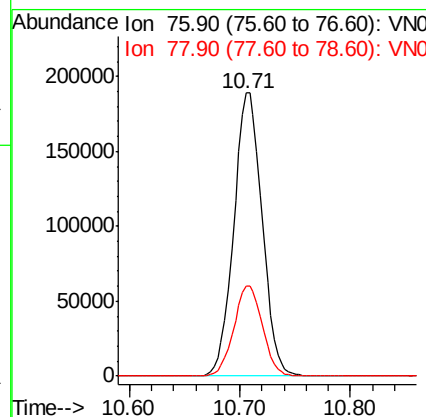
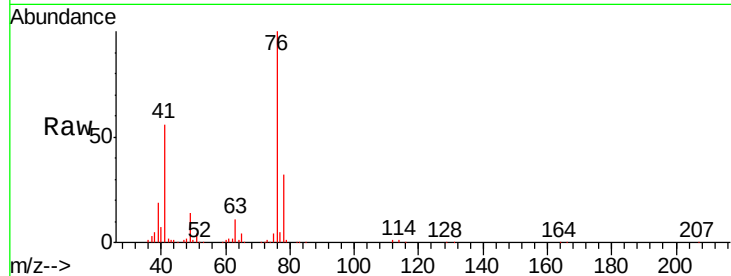
#57
 1,3-Dichloropropane
 Concen: 20.456 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBSD01

Tgt Ion: 76 Resp: 336895
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

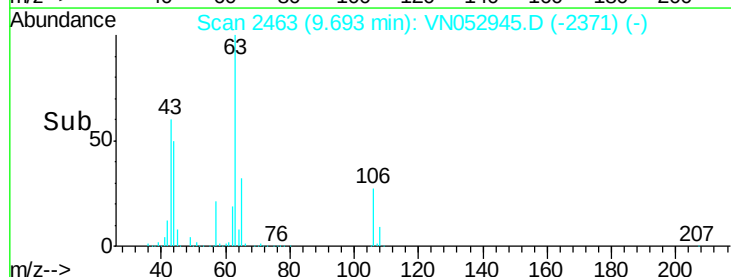
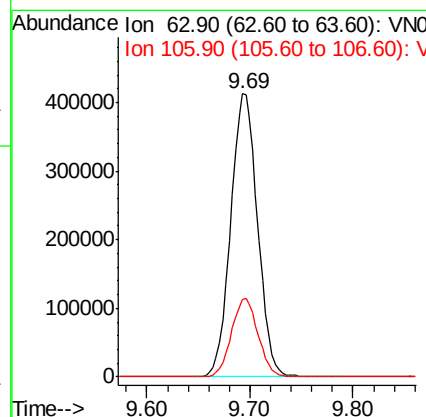
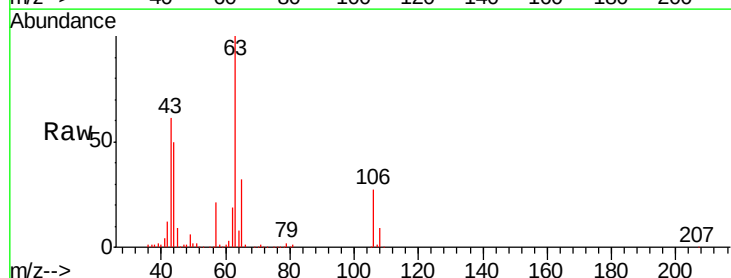
Manual Integrations
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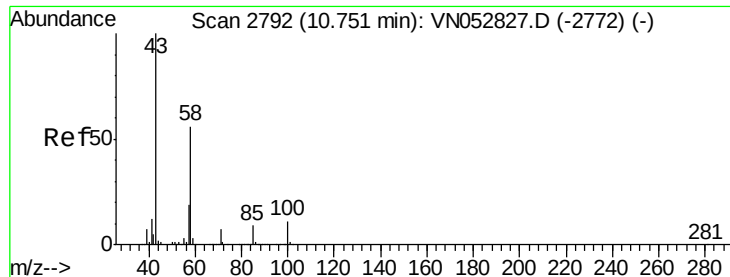
MMDadoda
 12/18/2018 1:33:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.699 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Tgt Ion: 63 Resp: 747541
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.0 31.6





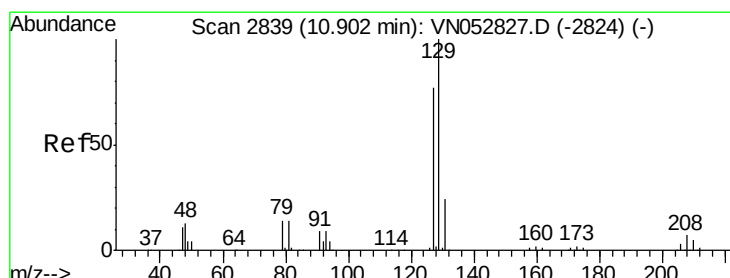
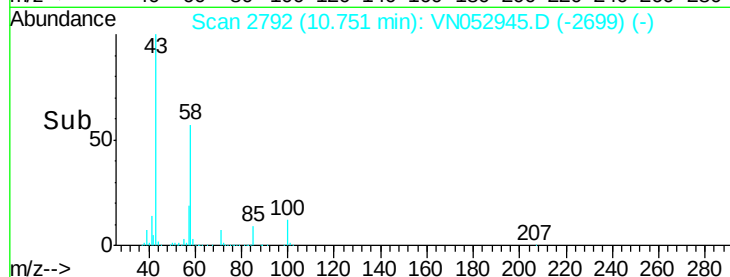
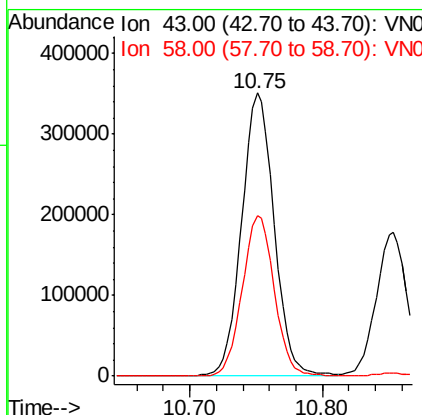
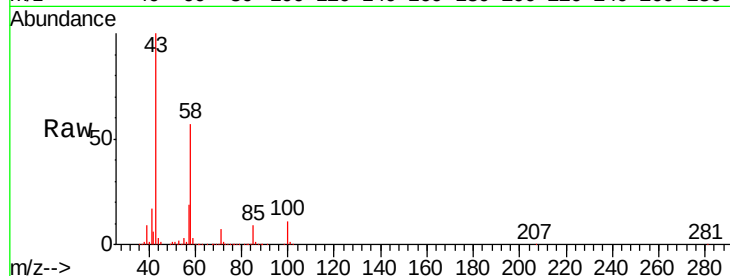
#59
2-Hexanone
Concen: 103.181 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion: 43 Resp: 591069
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3

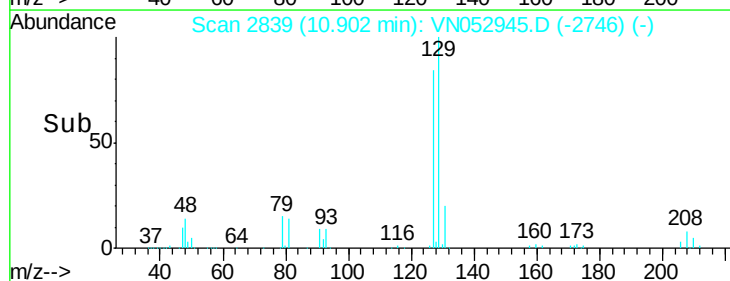
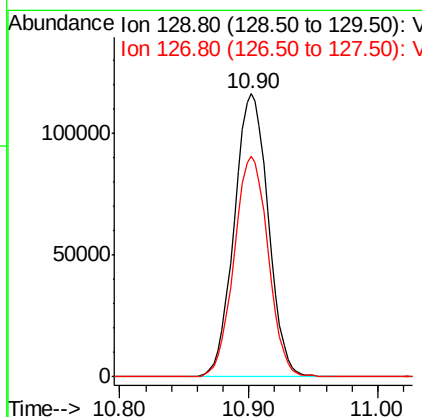
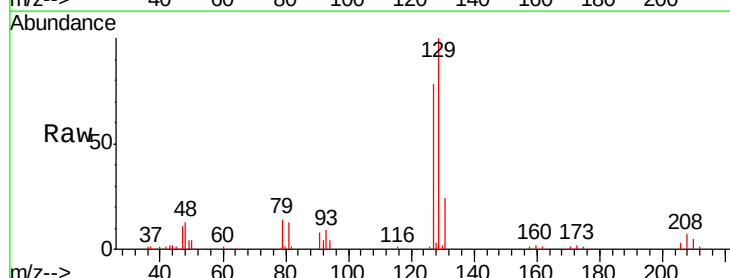
Manual Integrations
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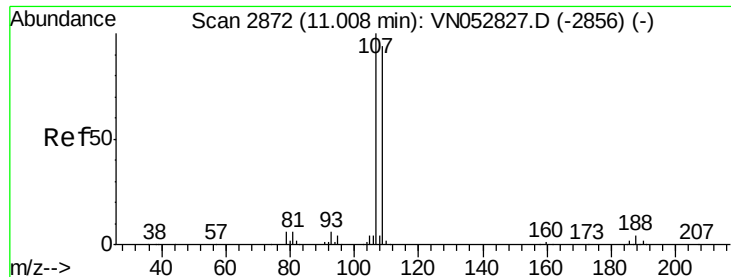
MMDadoda
12/18/2018 1:33:58 PM



#60
Dibromochloromethane
Concen: 20.470 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion: 129 Resp: 212470
Ion Ratio Lower Upper
129 100
127 78.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.916 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBSD01

Tgt Ion: 107 Resp: 198555

Ion Ratio Lower Upper

107 100

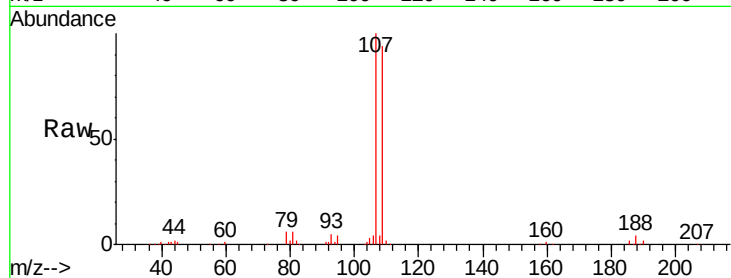
109 93.4 75.4 113.0

Manual Integrations

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12/18/2018 1:33:58 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

120000

100000

80000

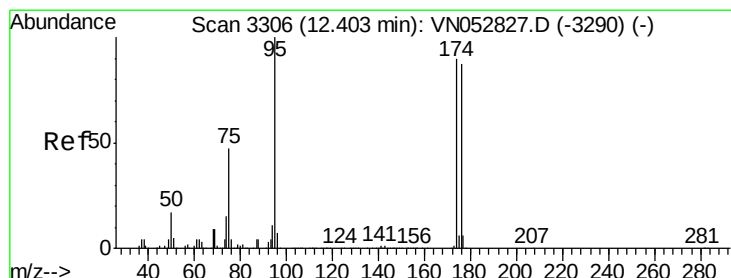
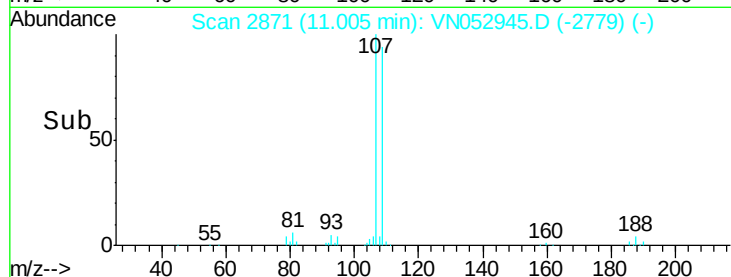
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 20.916 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

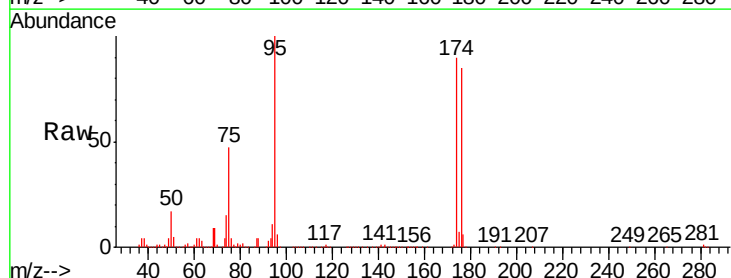
Tgt Ion: 95 Resp: 669780

Ion Ratio Lower Upper

95 100

174 90.5 0.0 178.8

176 87.5 0.0 173.8



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

500000

400000

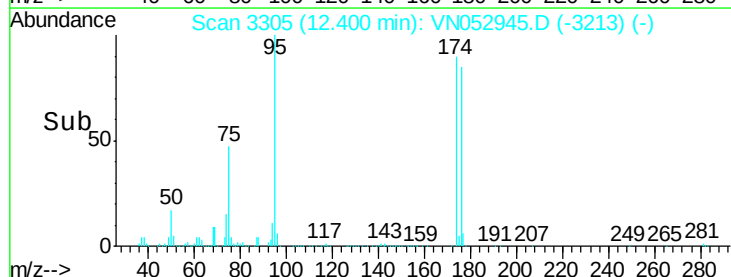
300000

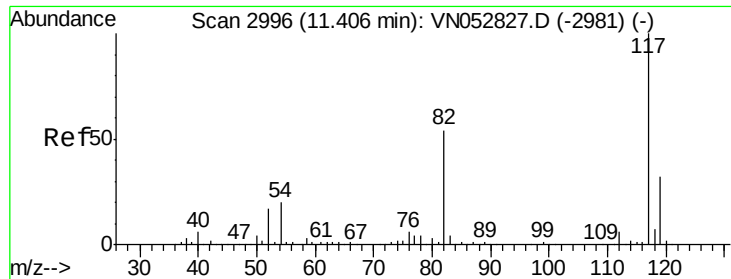
200000

100000

0

Time--> 12.35 12.40 12.45 12.50





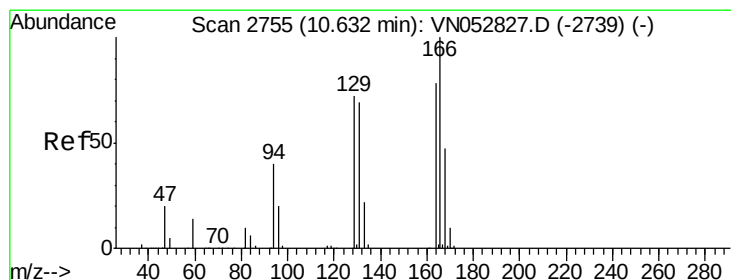
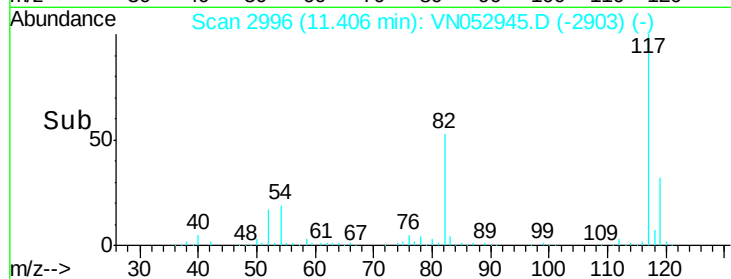
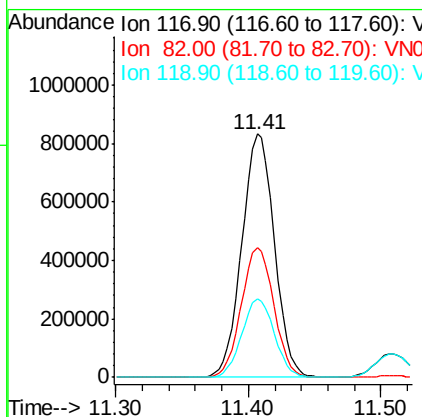
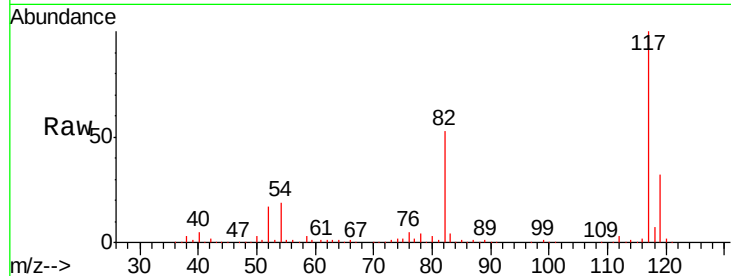
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion:117 Resp: 1418565
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 32.1 25.5 38.3

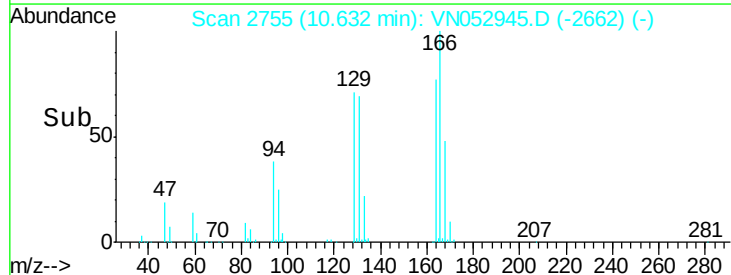
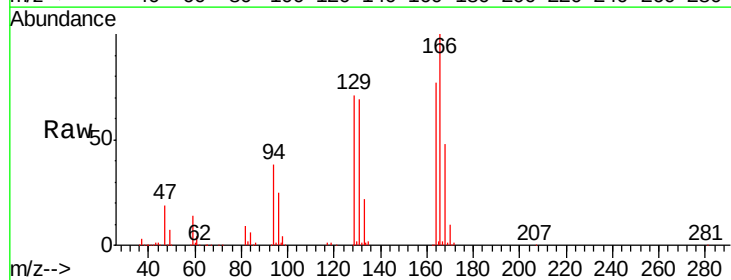
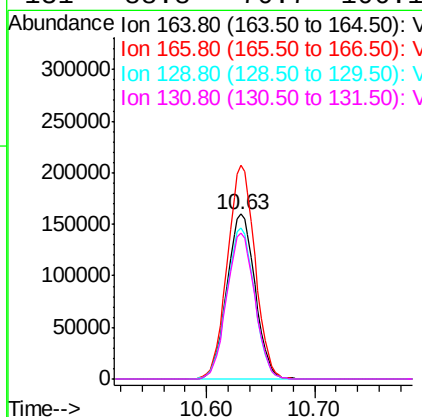
Manual Integrations
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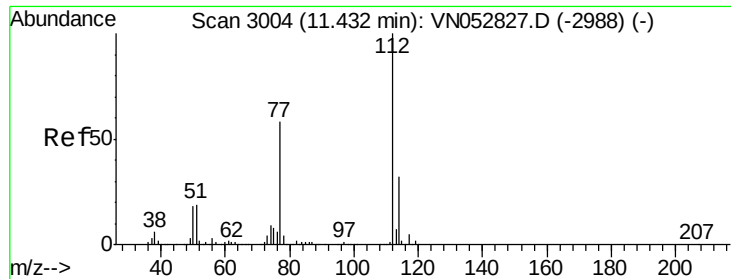
MMDadoda
12/18/2018 1:33:58 PM



#64
Tetrachloroethene
Concen: 23.871 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion:164 Resp: 291036
Ion Ratio Lower Upper
164 100
166 129.5 102.9 154.3
129 92.0 73.7 110.5
131 88.8 70.7 106.1





#65

Chlorobenzene

Concen: 20.223 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBS01

Tgt Ion:112 Resp: 595160

Ion Ratio Lower Upper

112 100

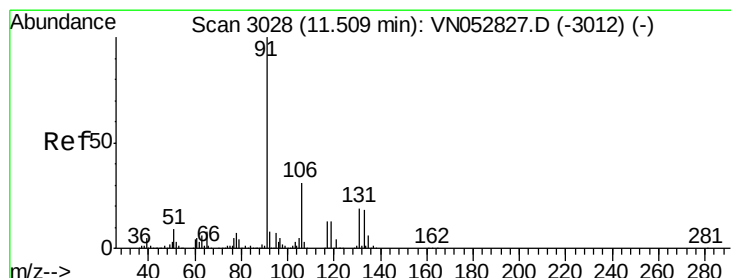
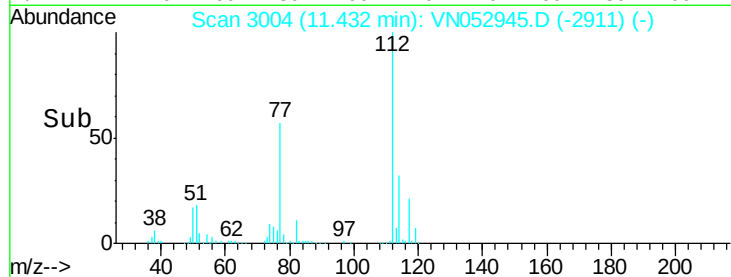
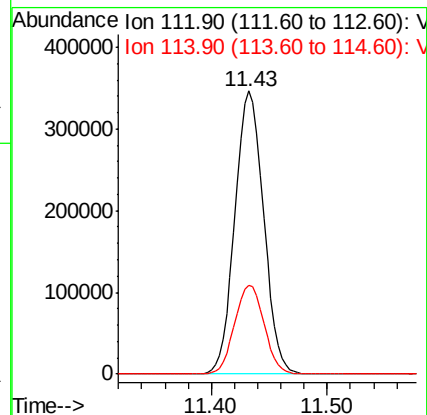
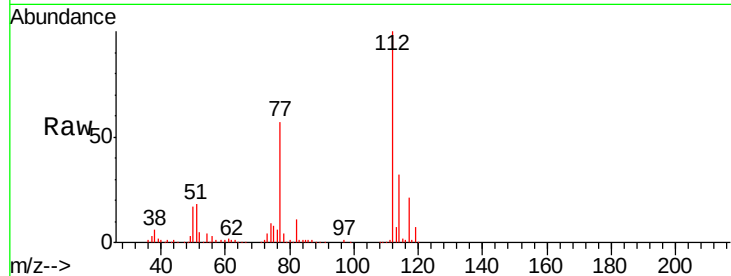
114 31.6 25.5 38.3

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.621 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

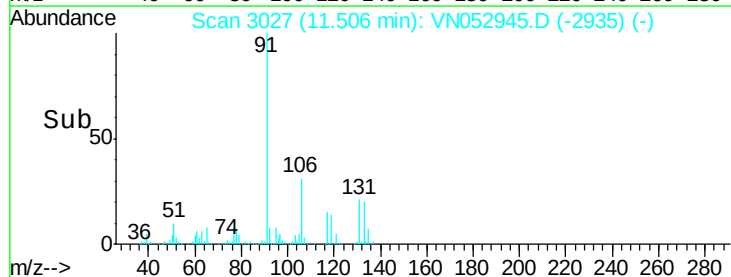
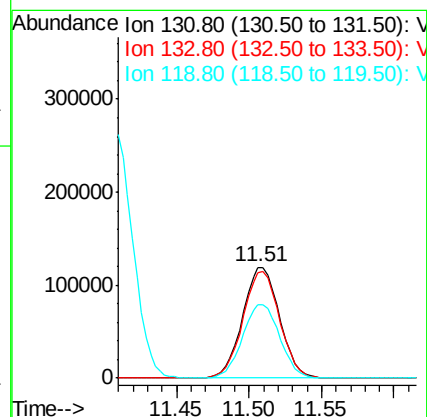
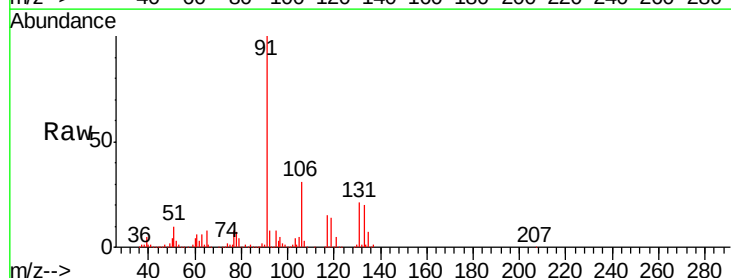
Tgt Ion:131 Resp: 211060

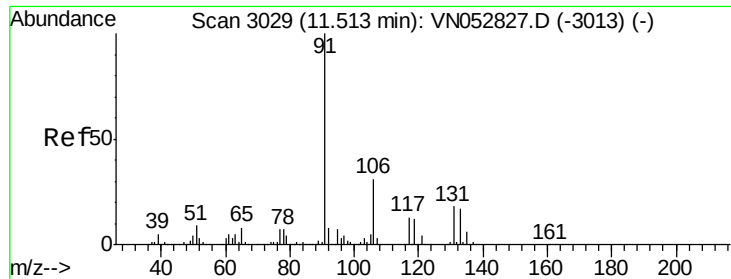
Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.9

119 66.9 33.3 99.8





#67

Ethyl Benzene

Concen: 20.251 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBSD01

Tgt Ion: 91 Resp: 1023492

Ion Ratio Lower Upper

91 100

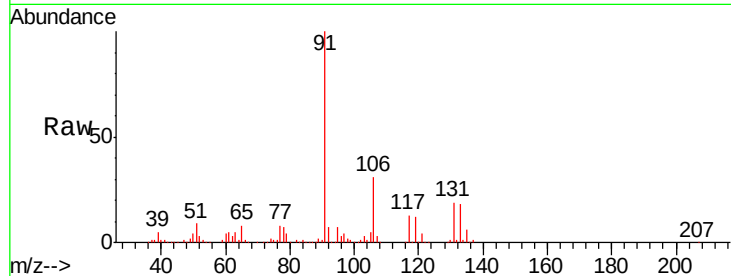
106 31.4 24.9 37.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN052827.D (-3013) (-)

800000

600000

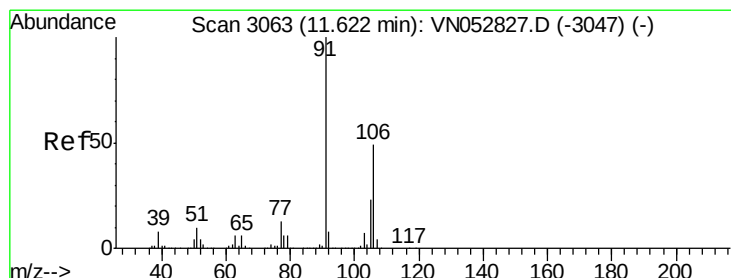
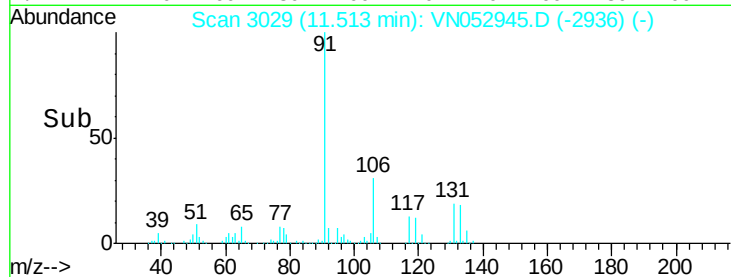
400000

200000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 40.887 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052945.D

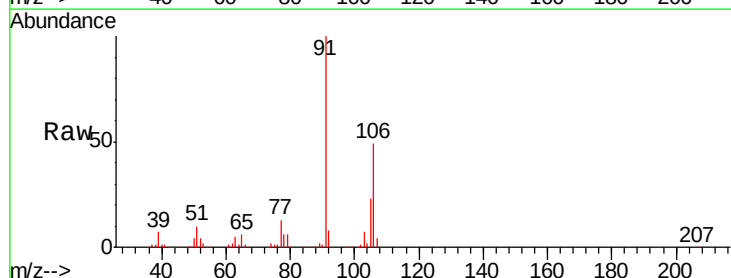
Acq: 18 Dec 2018 00:05

Tgt Ion: 106 Resp: 775933

Ion Ratio Lower Upper

106 100

91 202.6 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN052827.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN052827.D (-3047) (-)

800000

600000

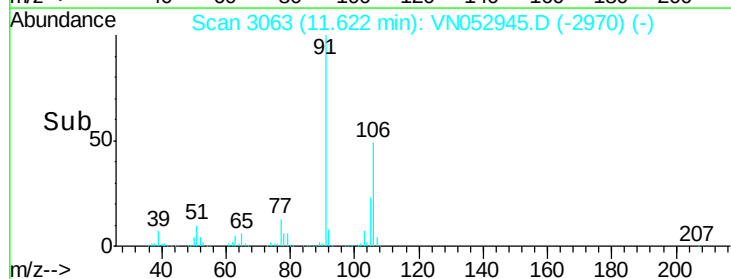
400000

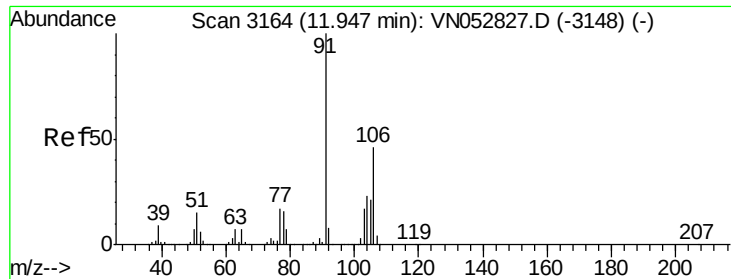
200000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->





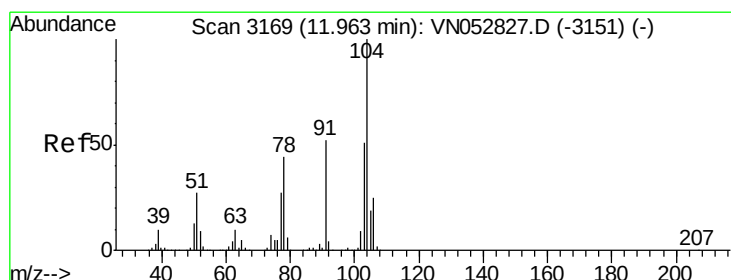
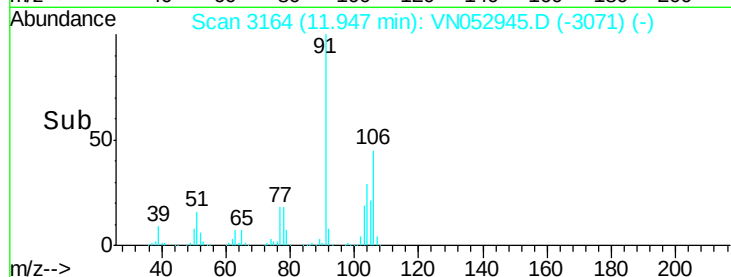
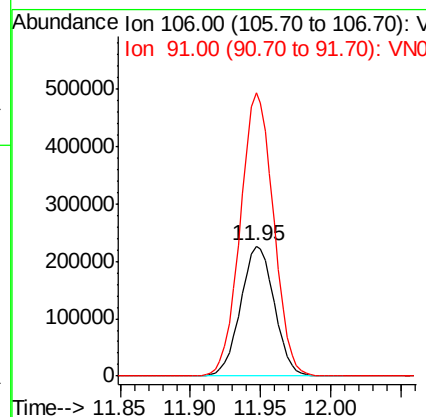
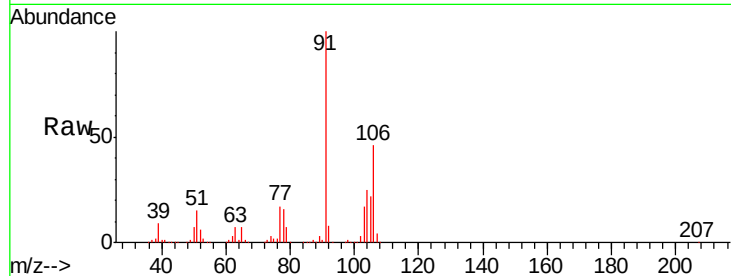
#69
o-Xylene
Concen: 20.441 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion:106 Resp: 378802
Ion Ratio Lower Upper
106 100
91 215.2 106.6 319.8

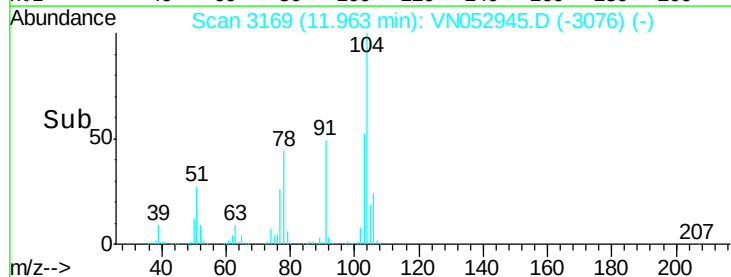
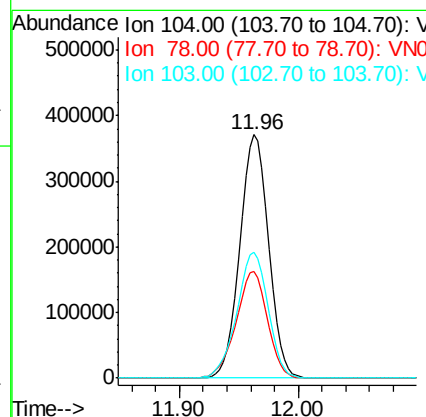
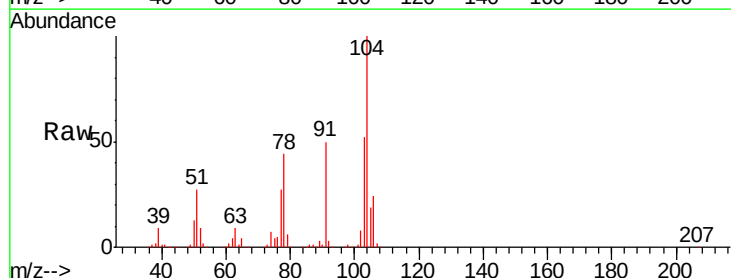
Manual Integrations
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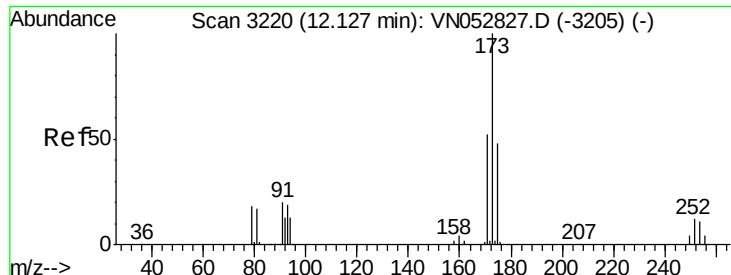
MMDadoda
12/18/2018 1:33:58 PM



#70
Styrene
Concen: 20.836 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion:104 Resp: 620703
Ion Ratio Lower Upper
104 100
78 47.8 38.9 58.3
103 56.2 44.3 66.5





#71

Bromoform

Concen: 21.120 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBSD01

Tgt Ion:173 Resp: 146863

Ion Ratio Lower Upper

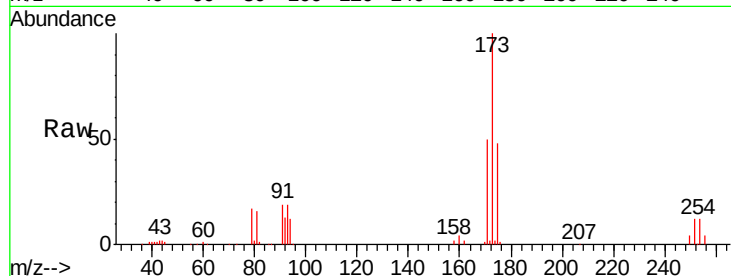
173 100

175 47.8 24.3 72.9

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

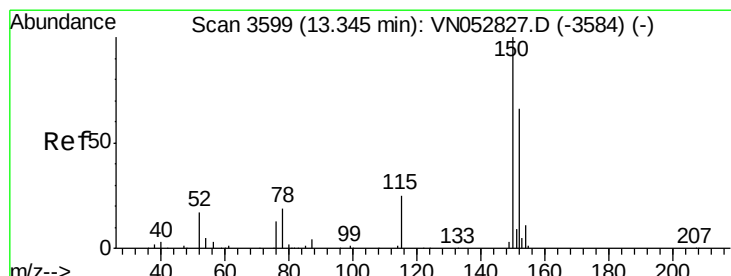
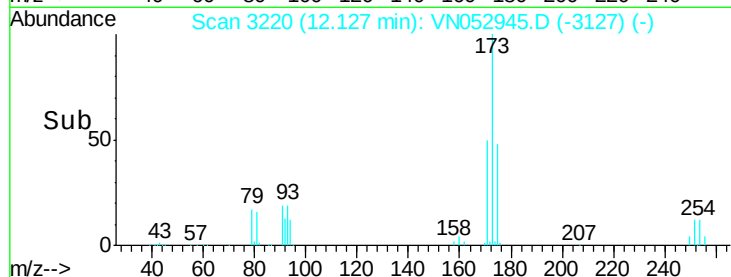
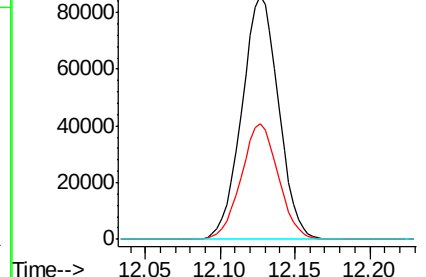
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

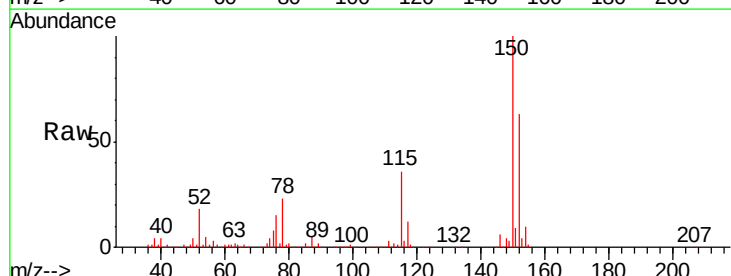
Tgt Ion:152 Resp: 656209

Ion Ratio Lower Upper

152 100

115 56.5 28.3 85.0

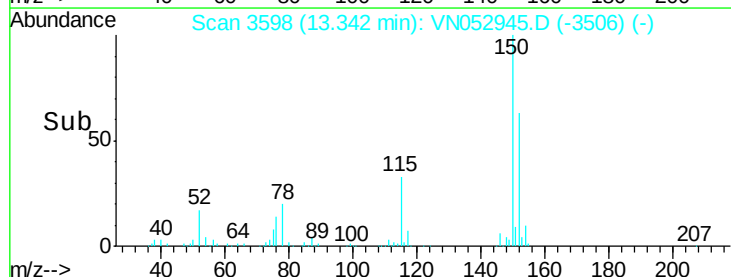
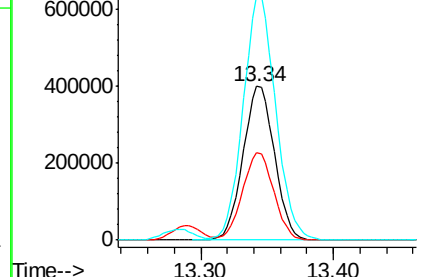
150 163.9 0.0 347.8

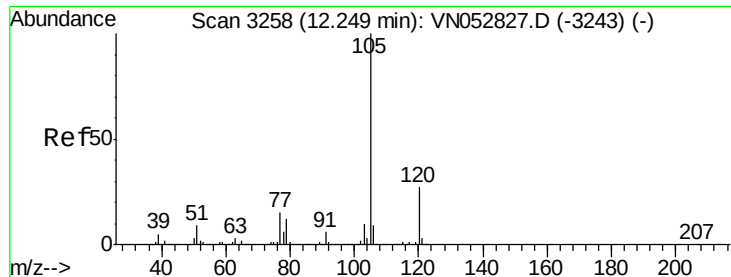


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





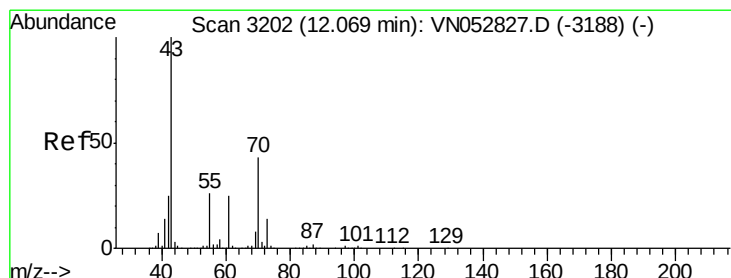
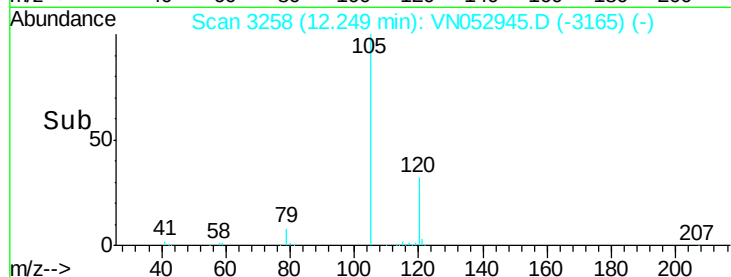
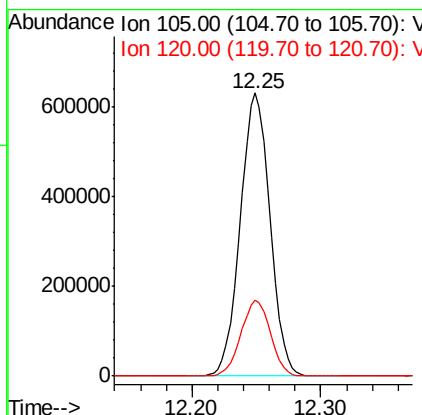
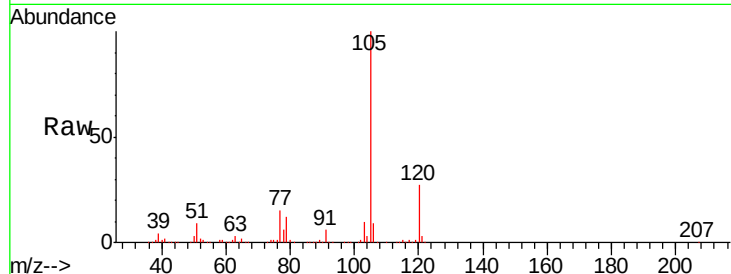
#73
Isopropylbenzene
Concen: 20.566 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion: 105 Resp: 1007631
Ion Ratio Lower Upper
105 100
120 26.7 13.3 39.9

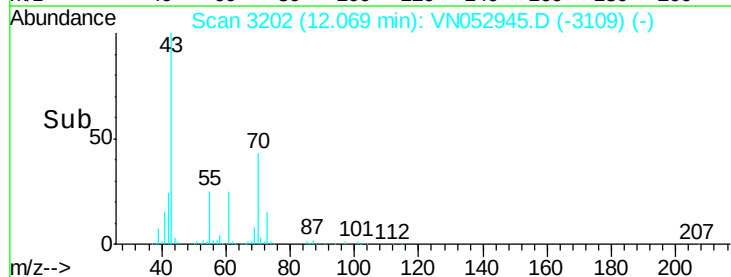
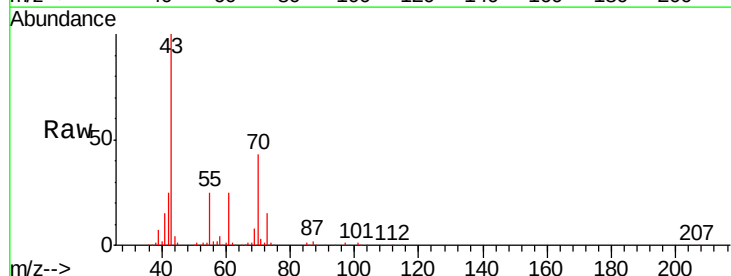
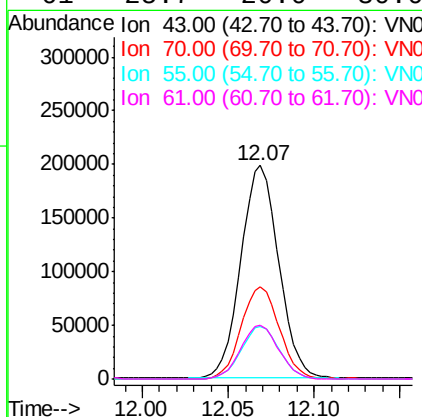
Manual Integrations
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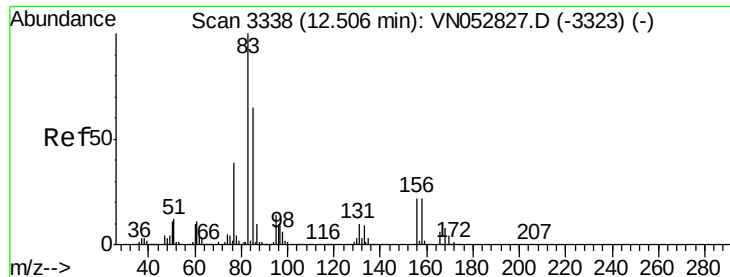
MMDadoda
12/18/2018 1:33:58 PM



#74
N-ethyl acetate
Concen: 22.425 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion: 43 Resp: 301635
Ion Ratio Lower Upper
43 100
70 44.1 34.2 51.4
55 25.4 20.3 30.5
61 25.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.979 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

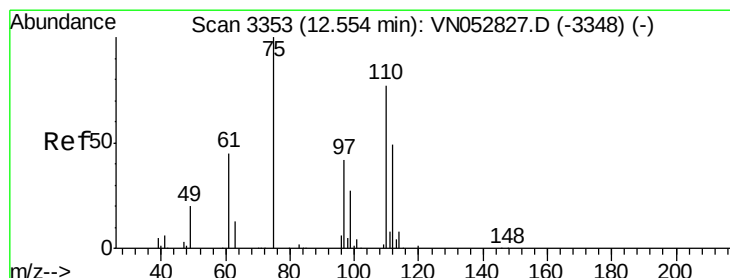
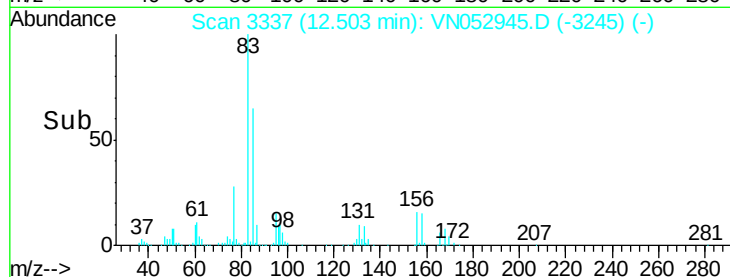
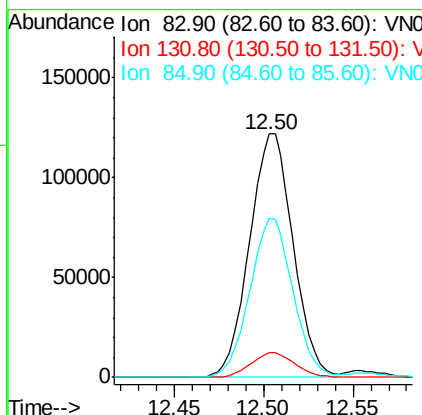
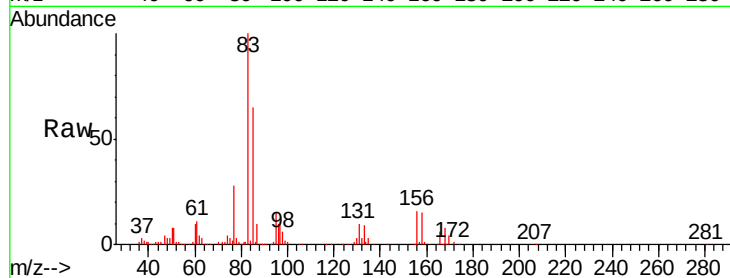
ClientSampleId :

VN1217MBSD01

Tgt Ion:	83	Resp:	208394
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.3	32.4	97.0

Manual Integrations
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12/18/2018 1:33:58 PM



#76

1,2,3-Trichloropropane

Concen: 19.973 ug/l m

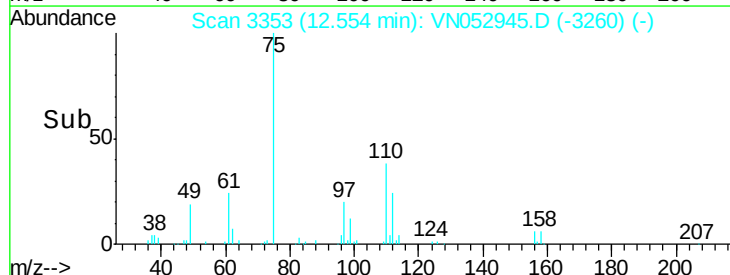
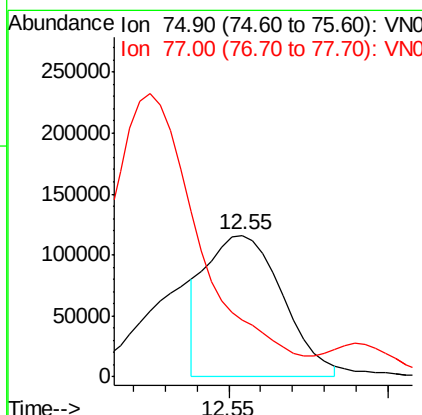
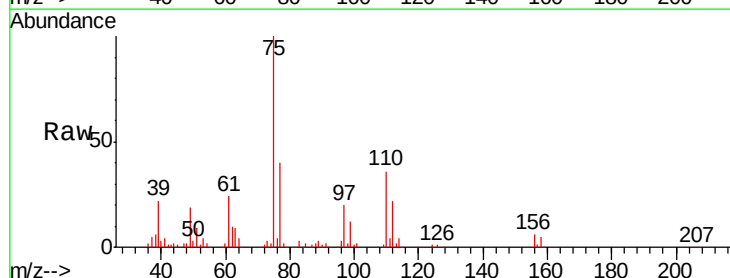
RT: 12.55 min Scan# 3353

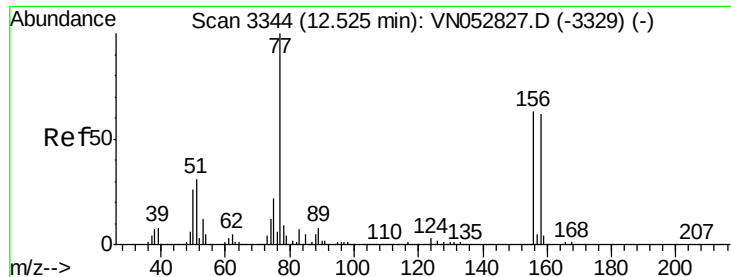
Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Tgt Ion:	75	Resp:	193376
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.693 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

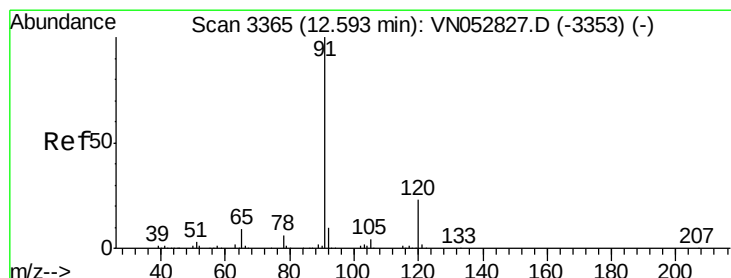
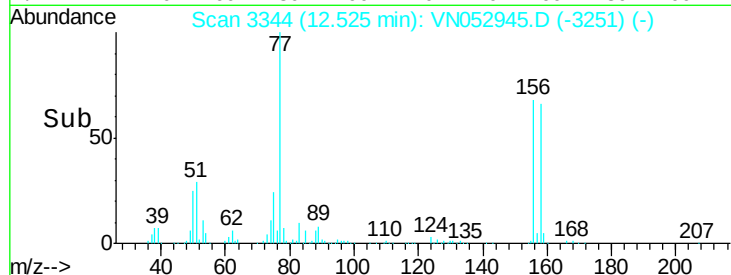
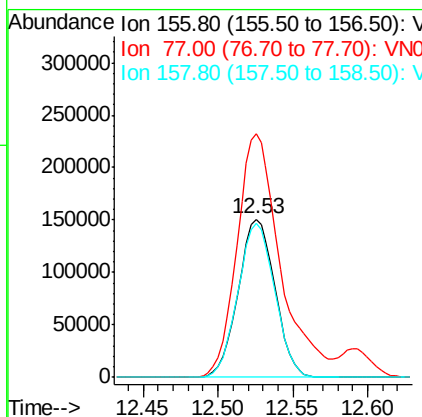
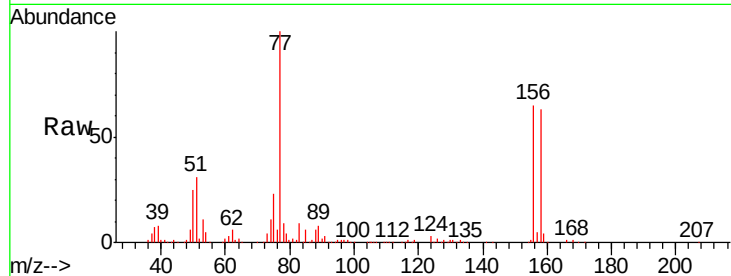
ClientSampleId :

VN1217MBSD01

Tgt Ion:	156	Resp:	257866
Ion Ratio	Lower	Upper	
156	100		
77	182.1	91.3	273.8
158	97.7	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.342 ug/l

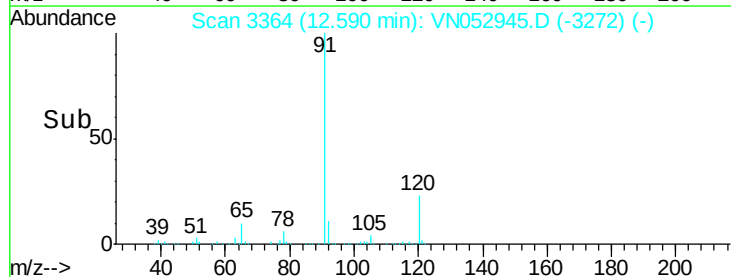
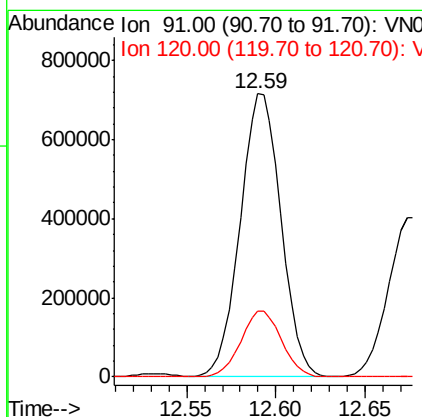
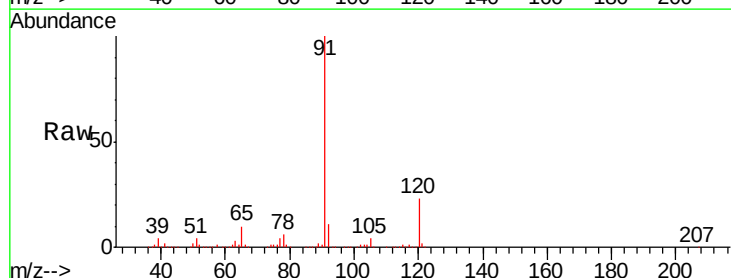
RT: 12.59 min Scan# 3364

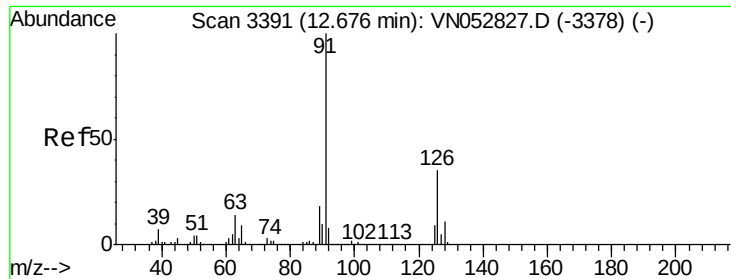
Delta R.T. -0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Tgt Ion:	91	Resp:	1136667
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.273 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBSD01

Tgt Ion: 91 Resp: 669722

Ion Ratio Lower Upper

91 100

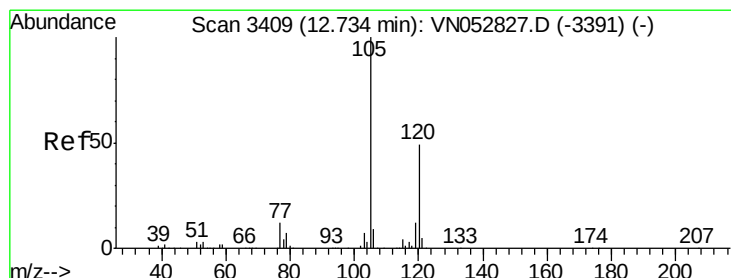
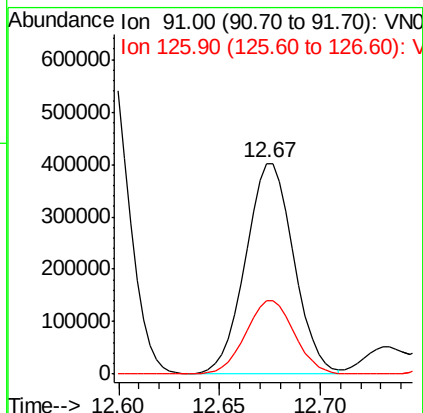
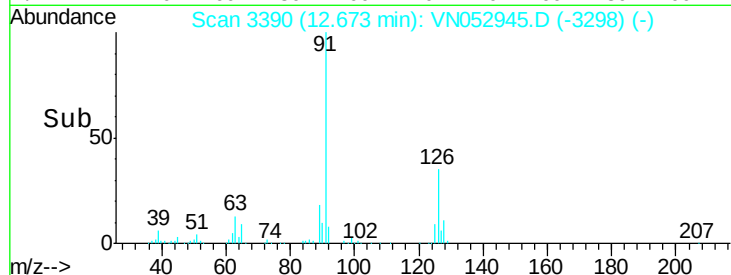
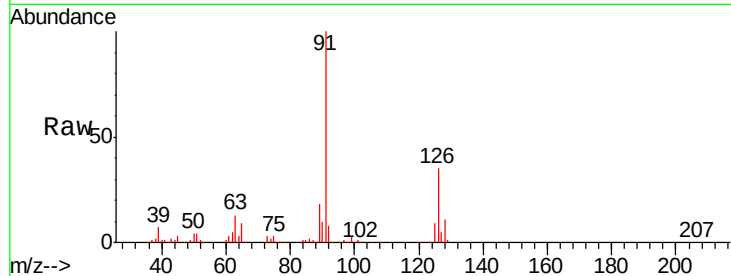
126 35.3 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.628 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052945.D

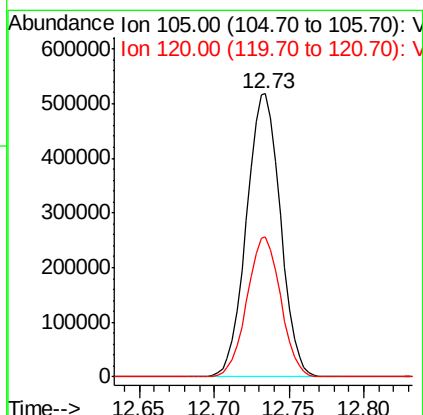
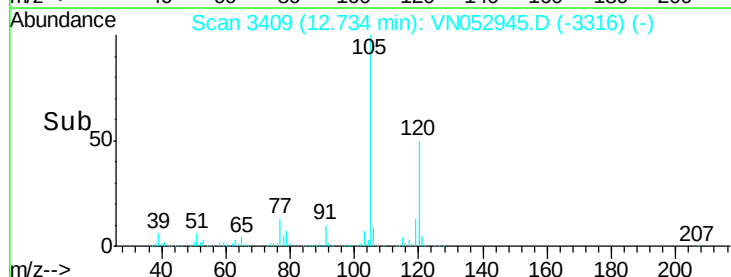
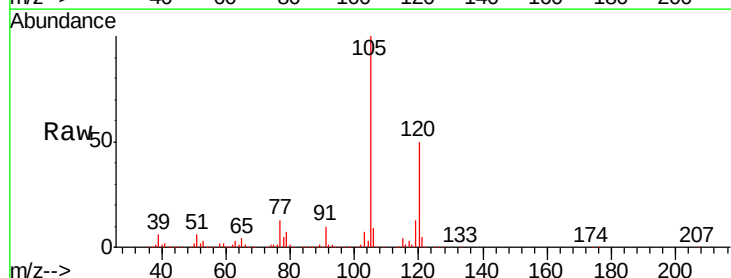
Acq: 18 Dec 2018 00:05

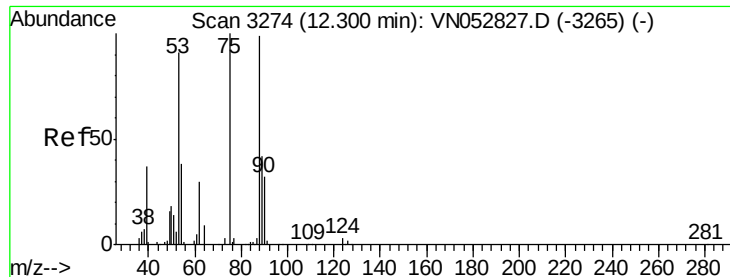
Tgt Ion: 105 Resp: 815862

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.432 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

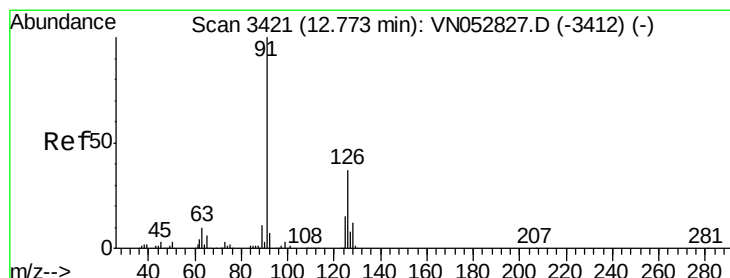
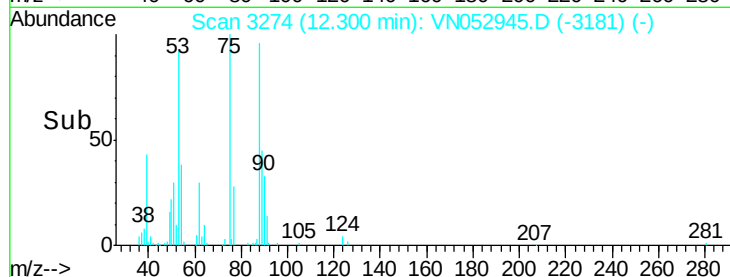
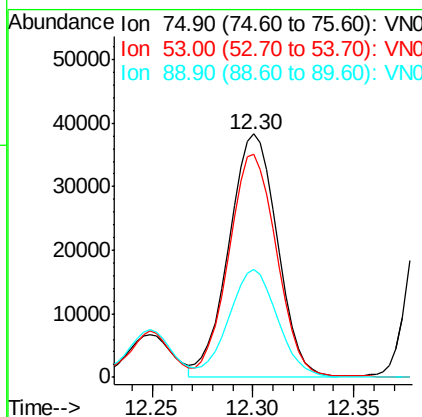
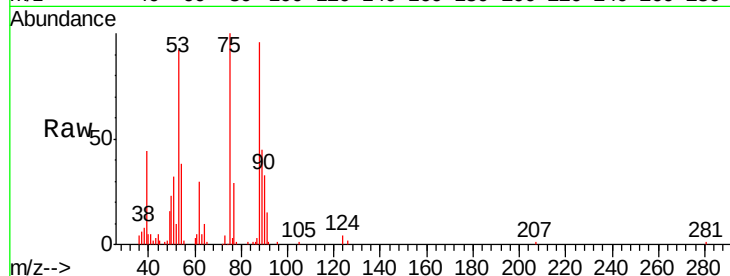
ClientSampleId :

VN1217MBSD01

Tgt Ion:	75	Resp:	64592
Ion Ratio	Lower	Upper	
75	100		
53	91.3	74.7	112.1
89	44.6	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.198 ug/l

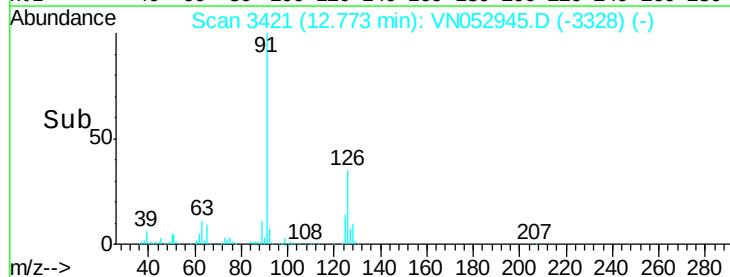
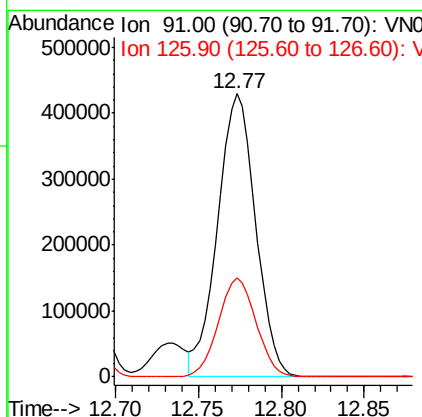
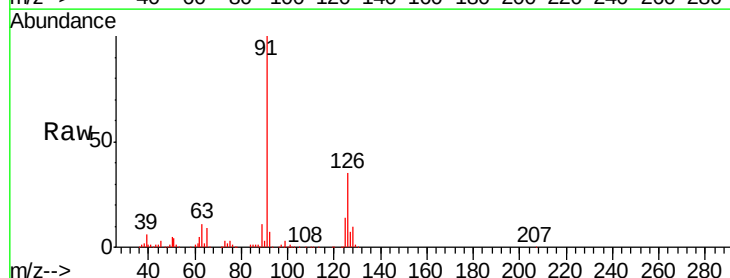
RT: 12.77 min Scan# 3421

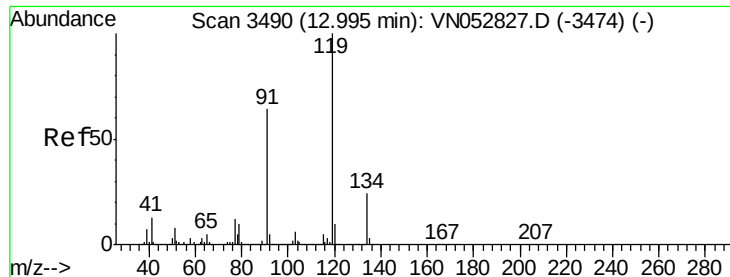
Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Tgt Ion:	91	Resp:	682208
Ion Ratio	Lower	Upper	
91	100		
126	34.9	17.3	51.7





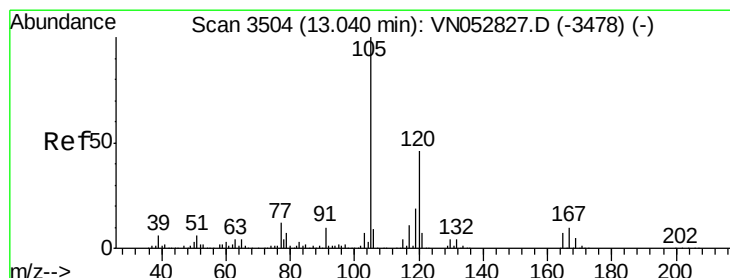
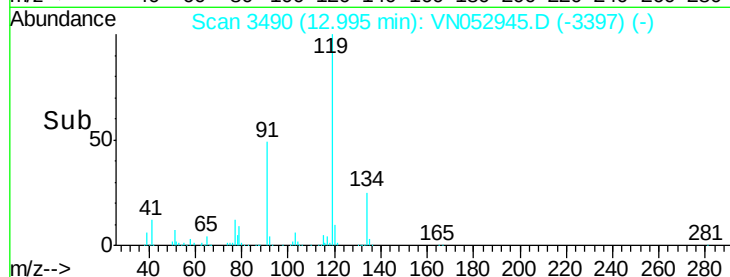
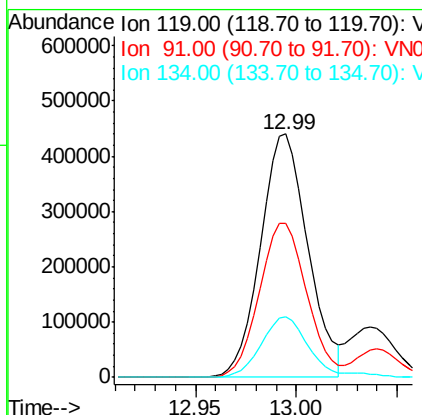
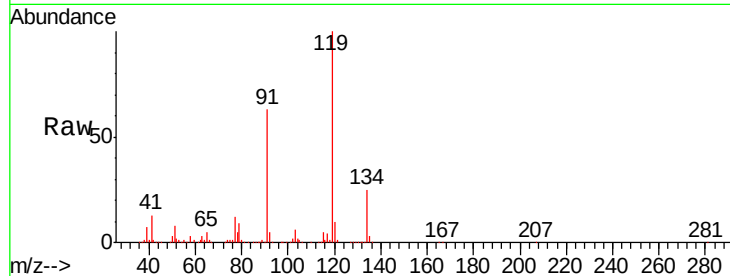
#83
 tert-Butylbenzene
 Concen: 20.648 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.9	31.9	95.5
134	25.4	12.8	38.4

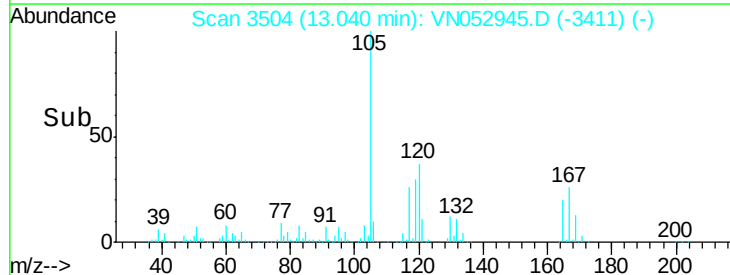
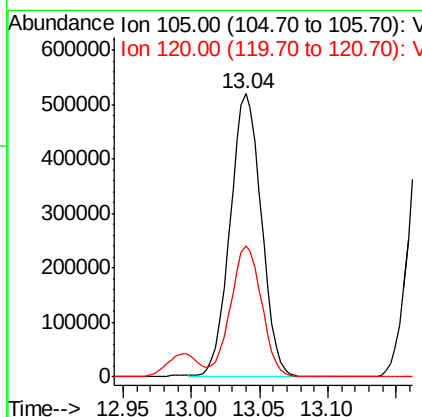
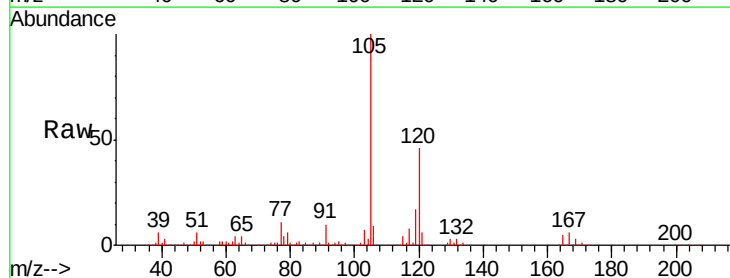
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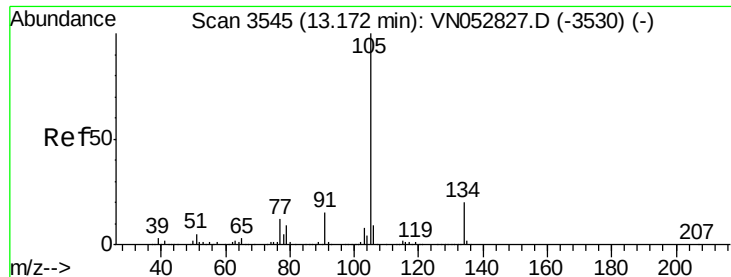
MMDadoda
 12/18/2018 1:33:58 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.645 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.228 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN1217MBSD01

Tgt Ion:105 Resp: 955766

Ion Ratio Lower Upper

105 100

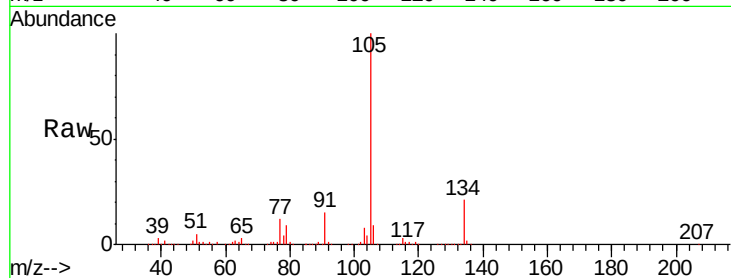
134 20.5 10.1 30.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

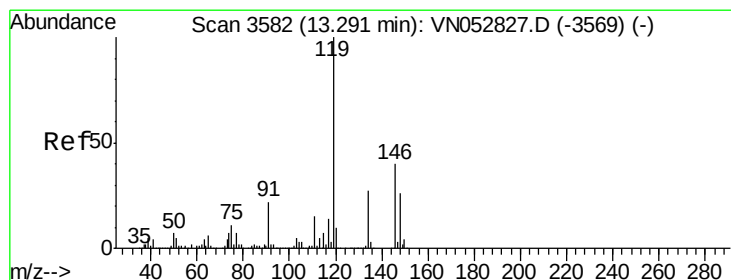
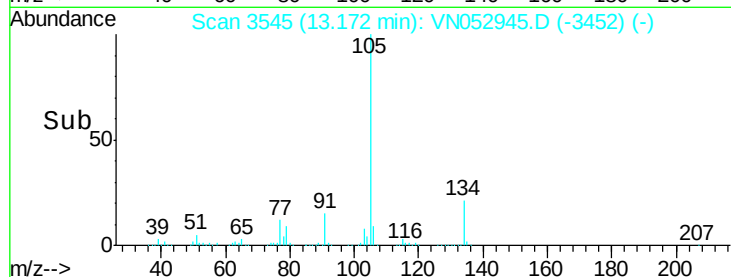
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.494 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

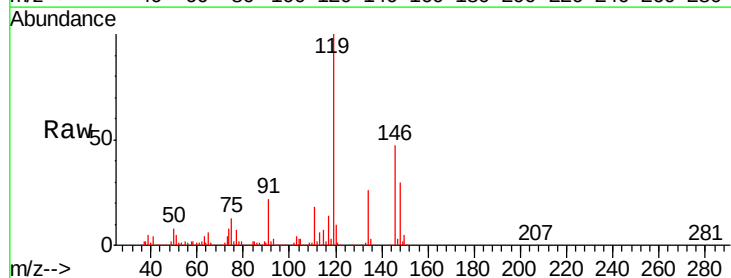
Tgt Ion:119 Resp: 838925

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.0 11.1 33.3



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

13.29

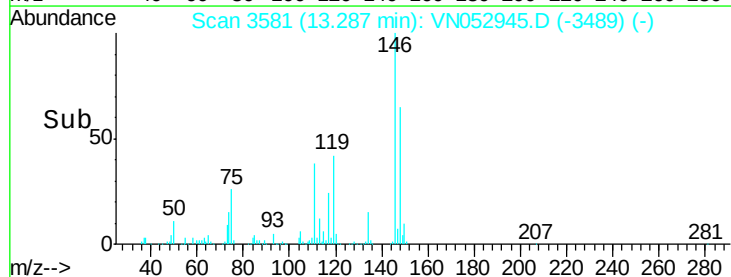
600000

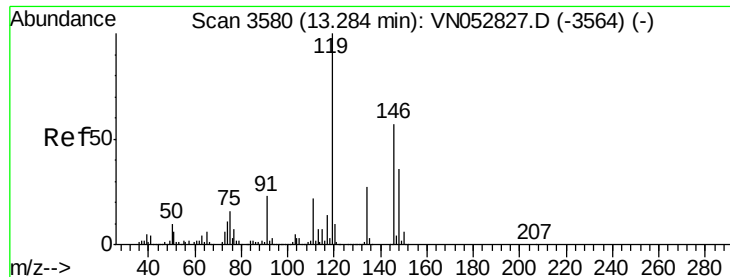
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.351 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

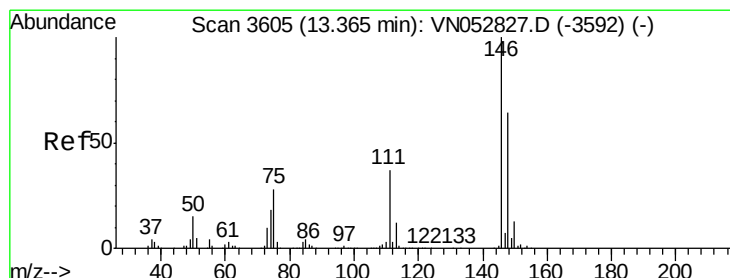
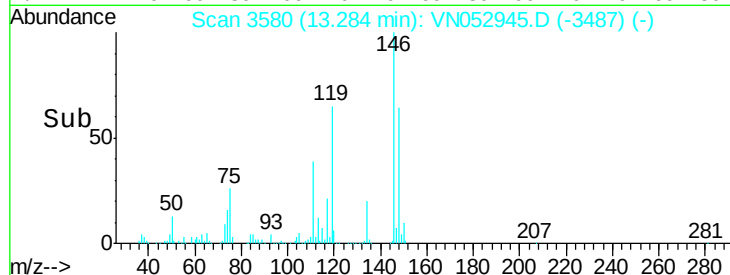
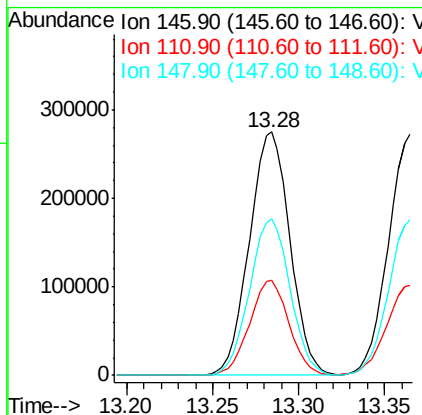
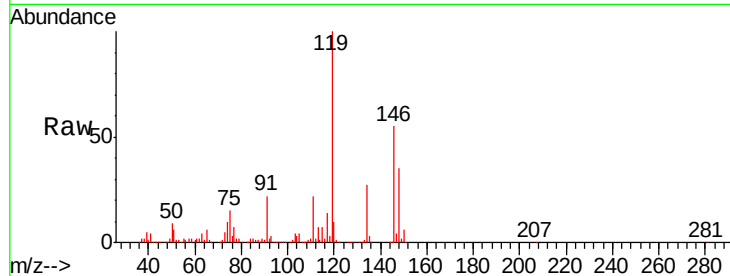
ClientSampleId :

VN1217MBSD01

Tgt Ion:	146	Resp:	450680
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.1	57.1
148	64.2	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.322 ug/l

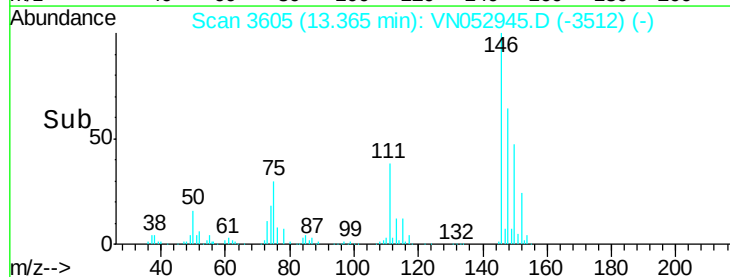
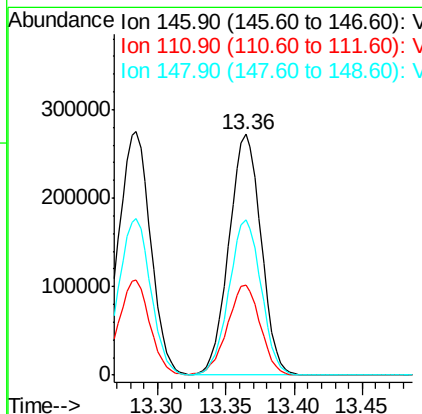
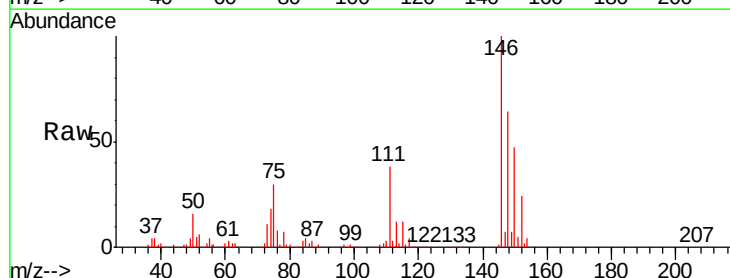
RT: 13.36 min Scan# 3605

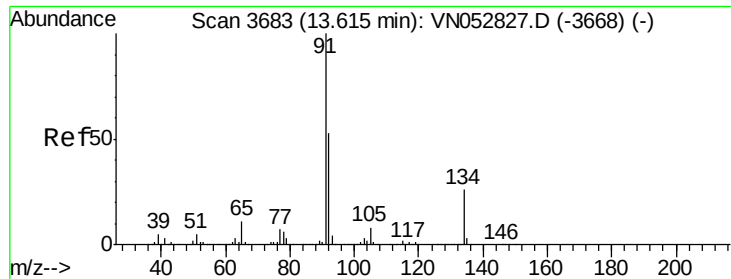
Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Tgt Ion:	146	Resp:	445683
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.6	55.8
148	64.6	32.1	96.5





#89

n-Butylbenzene

Concen: 20.086 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Instrument :

MSVOA_N

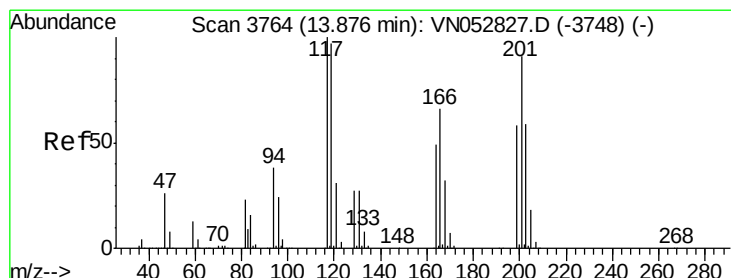
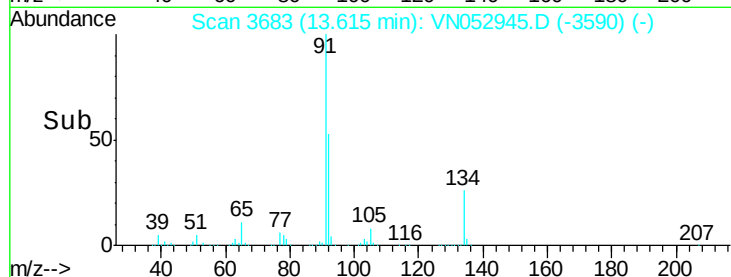
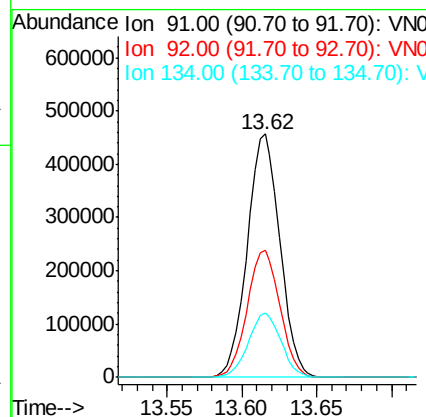
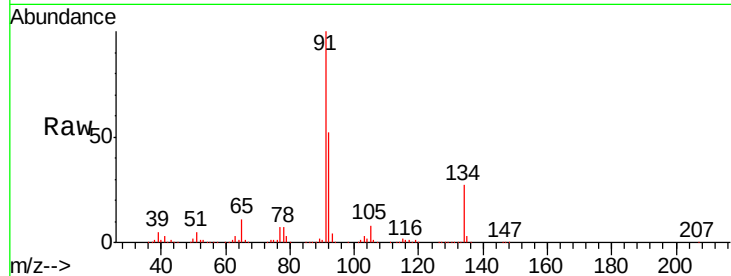
ClientSampleId :

VN1217MBSD01

Tgt Ion:	91	Resp:	692191
Ion Ratio	Lower	Upper	
91	100		
92	52.6	26.3	78.9
134	26.4	13.3	39.8

Manual Integrations
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#90

Hexachloroethane

Concen: 18.027 ug/l

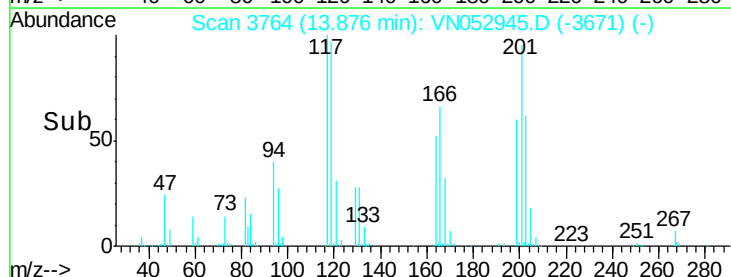
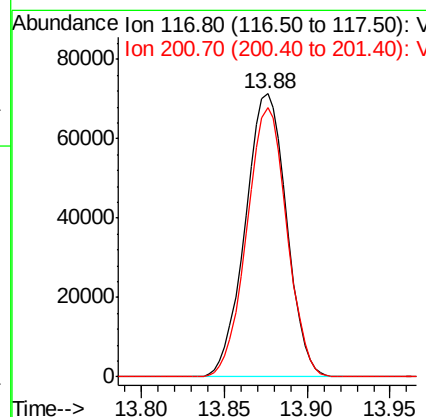
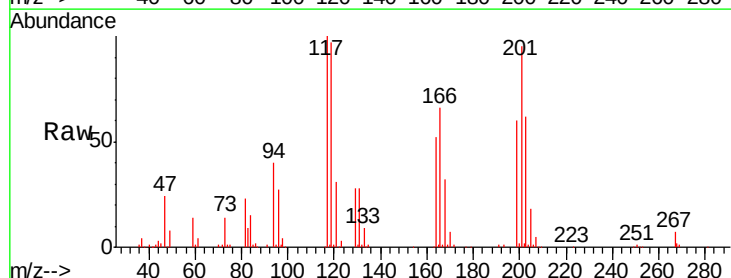
RT: 13.88 min Scan# 3764

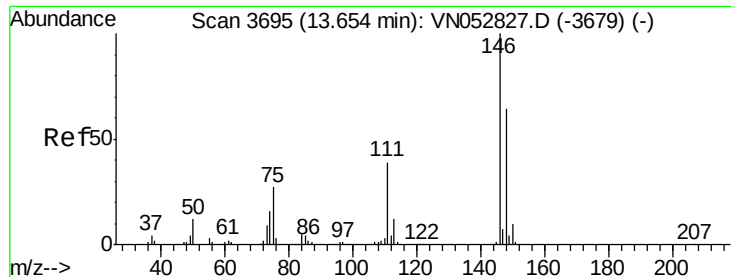
Delta R.T. 0.00 min

Lab File: VN052945.D

Acq: 18 Dec 2018 00:05

Tgt Ion:	117	Resp:	123573
Ion Ratio	Lower	Upper	
117	100		
201	92.3	45.7	137.1





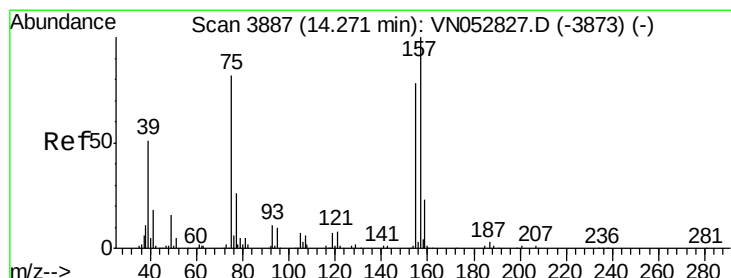
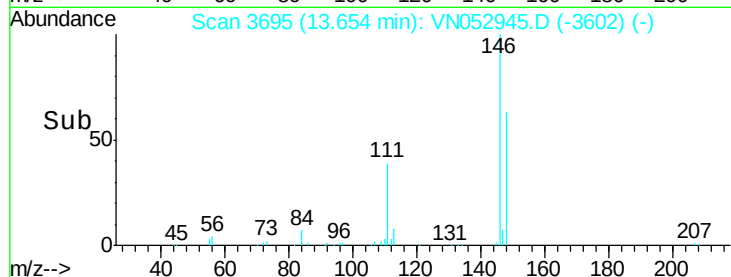
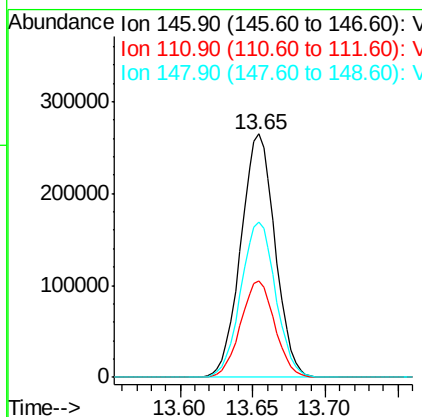
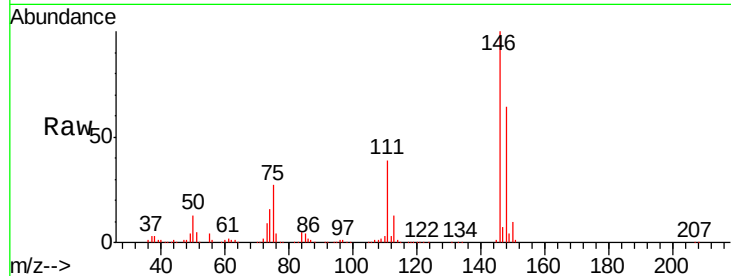
#91
 1,2-Dichlorobenzene
 Concen: 20.415 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	64.8	32.0	96.0

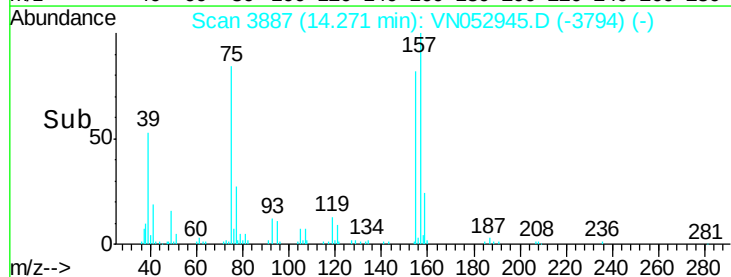
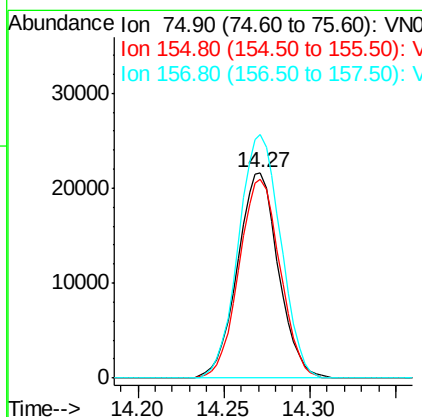
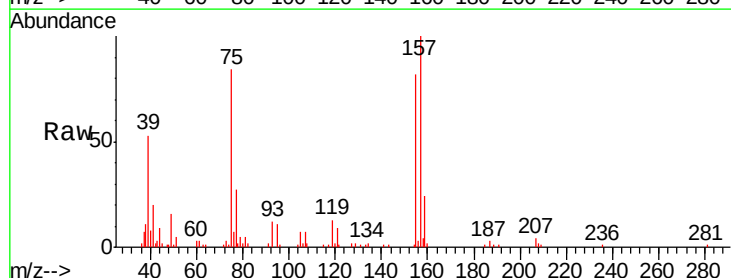
Manual Integrations
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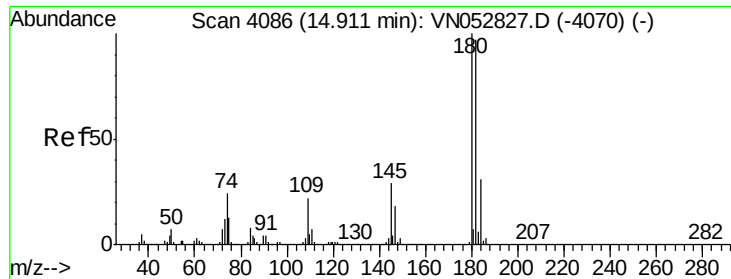
MMDadoda
 12/18/2018 1:33:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.706 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	48.2	144.6
157	121.6	61.2	183.5





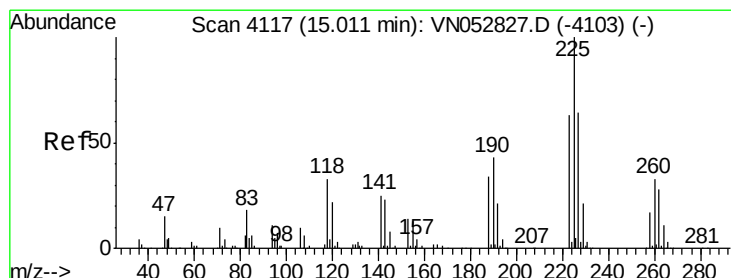
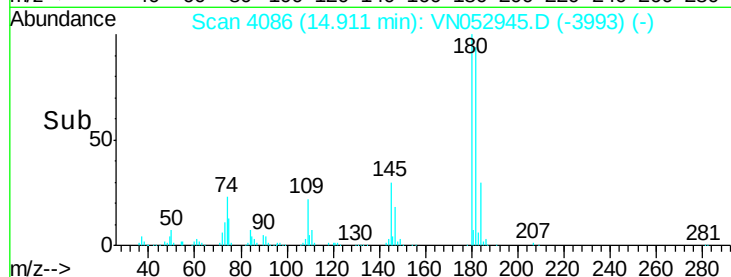
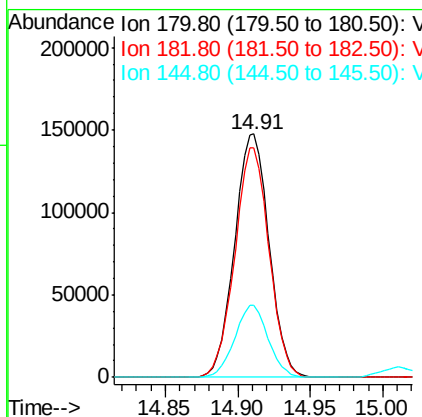
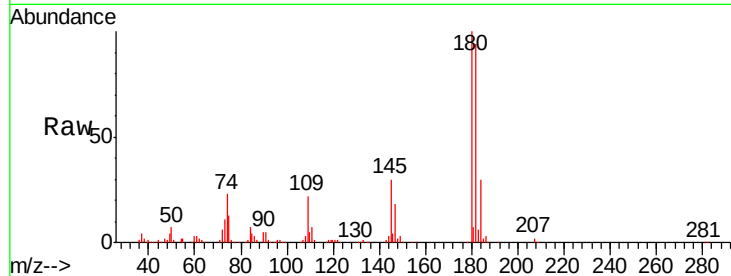
#93
 1,2,4-Trichlorobenzene
 Concen: 21.011 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	243293		
182	93.8	47.8	143.3	
145	28.8	14.2	42.6	

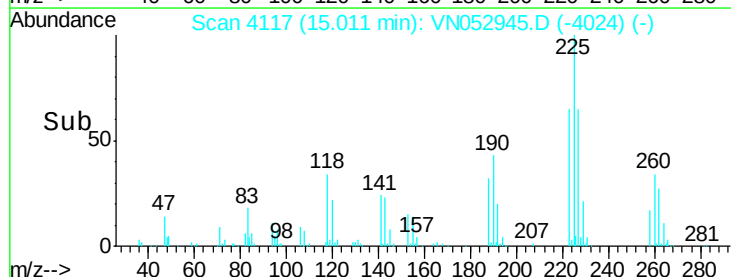
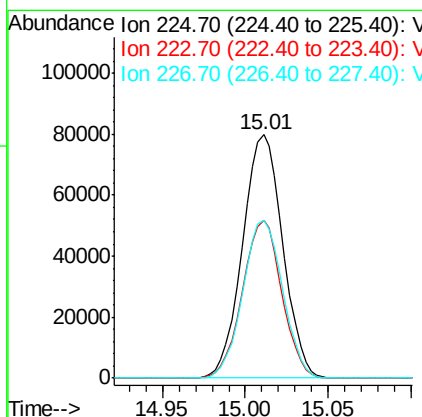
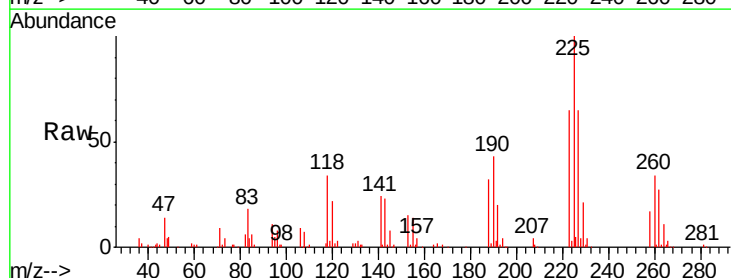
Manual Integrations
 APPROVED

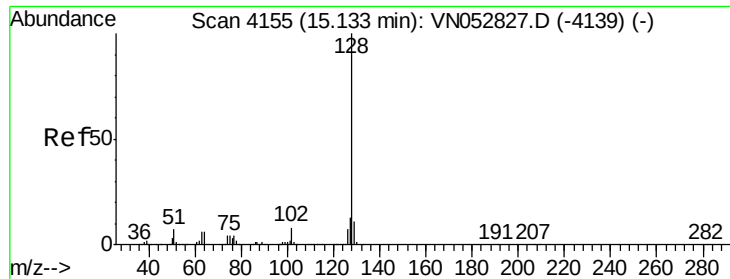
MMDadoda
 12/18/2018 1:33:58 PM



#94
 Hexachlorobutadiene
 Concen: 20.041 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052945.D
 Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	134322		
223	63.4	31.5	94.5	
227	64.3	31.9	95.7	





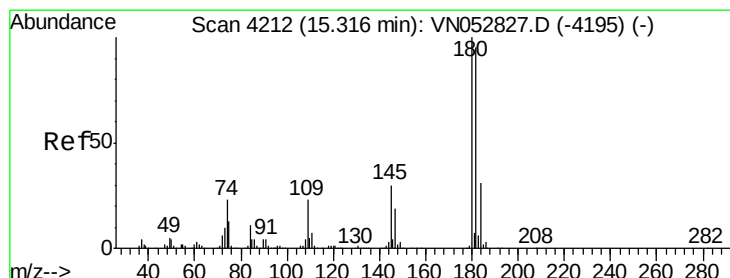
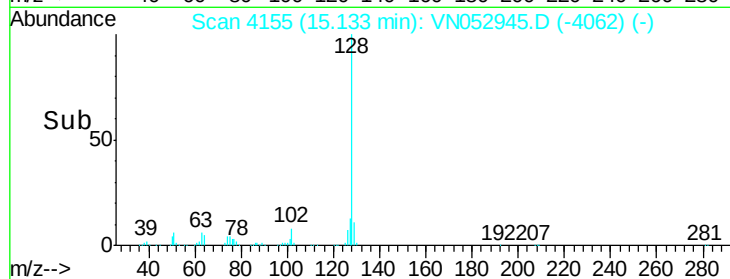
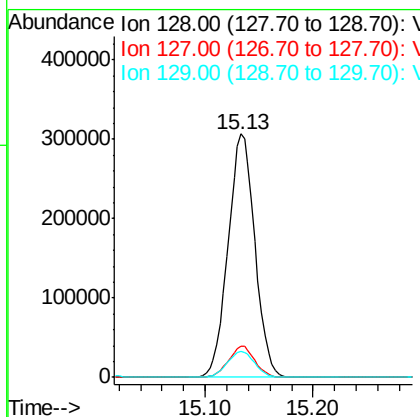
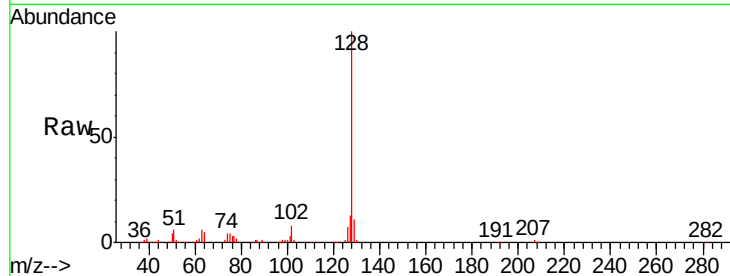
#95
Naphthalene
Concen: 22.164 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN1217MBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/18/2018 1:33:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.714 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052945.D
Acq: 18 Dec 2018 00:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	29.5	15.0	45.0

