

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
 Data File : VN052727.D
 Acq On : 7 Dec 2018 15:25
 Operator : MD\SY
 Sample : VN1207WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 12:50:56 PM

Quant Time: Dec 07 22:57:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	925295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1441848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1262176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	553678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	514632	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.59	113	469033	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
50) Toluene-d8	10.09	98	1755308	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	588531	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	154203	17.798	ug/l	99
3) Chloromethane	2.06	50	198486	17.356	ug/l	98
4) Vinyl Chloride	2.19	62	209130	17.801	ug/l	98
5) Bromomethane	2.57	94	77382	10.557	ug/l	97
6) Chloroethane	2.71	64	130962	18.404	ug/l	100
7) Trichlorofluoromethane	3.02	101	281295	19.493	ug/l	100
8) Diethyl Ether	3.41	74	110809	20.793	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	181886	20.199	ug/l	99
10) Methyl Iodide	3.96	142	153643	12.811	ug/l	100
11) Tert butyl alcohol	4.78	59	55521	110.080	ug/l	100
12) 1,1-Dichloroethene	3.74	96	169169	19.517	ug/l	100
13) Acrolein	3.61	56	31752	36.222	ug/l	86
14) Allyl chloride	4.33	41	296700	19.861	ug/l	99
15) Acrylonitrile	4.99	53	334974	104.918	ug/l	98
16) Acetone	3.82	43	283046	106.515	ug/l	98
17) Carbon Disulfide	4.06	76	447577	16.409	ug/l	99
18) Methyl Acetate	4.33	43	169107	22.185	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	488335	21.176	ug/l	99
20) Methylene Chloride	4.55	84	203357	19.556	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	180460	19.494	ug/l	96
22) Diisopropyl ether	5.95	45	643396	20.504	ug/l	99
23) Vinyl Acetate	5.90	43	1986937	101.662	ug/l	99
24) 1,1-Dichloroethane	5.85	63	368082	20.544	ug/l	98
25) 2-Butanone	6.84	43	386297	102.562	ug/l	97
26) 2,2-Dichloropropane	6.82	77	267423	21.565	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	216307	20.059	ug/l	98
28) Bromochloromethane	7.20	49	157656	19.266	ug/l	97
29) Tetrahydrofuran	7.21	42	249113	102.543	ug/l	99
30) Chloroform	7.37	83	366079	20.480	ug/l	99
31) Cyclohexane	7.66	56	329324	18.763	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	290663	20.523	ug/l	99
36) 1,1-Dichloropropene	7.80	75	266423	19.567	ug/l	100
37) Ethyl Acetate	6.93	43	169965	20.454	ug/l	99
38) Carbon Tetrachloride	7.78	117	250042	20.286	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	311458	18.820	ug/l	99
40) Benzene	8.04	78	827800	20.400	ug/l	100
41) Methacrylonitrile	7.17	41	84035	18.498	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	255771	20.817	ug/l	100
43) Isopropyl Acetate	8.17	43	311713	22.167	ug/l	97
44) Trichloroethene	8.84	130	209400	20.146	ug/l	99
45) 1,2-Dichloropropane	9.12	63	225132	20.869	ug/l	100
46) Dibromomethane	9.21	93	124047	20.771	ug/l	97
47) Bromodichloromethane	9.40	83	273522	21.065	ug/l	98
48) Methyl methacrylate	9.20	41	151837	20.707	ug/l	99
49) 1,4-Dioxane	9.20	88	32115	422.016	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	842323	106.759	ug/l	100
52) Toluene	10.16	92	501254	20.791	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	259995	20.814	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	312497	20.876	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	180643	21.301	ug/l	99
56) Ethyl methacrylate	10.43	69	225404	20.803	ug/l	99
57) 1,3-Dichloropropane	10.71	76	312426	20.865	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	611101	99.308	ug/l	98
59) 2-Hexanone	10.75	43	568941	107.441	ug/l	100
60) Dibromochloromethane	10.90	129	196646	21.350	ug/l	99
61) 1,2-Dibromoethane	11.01	107	173395	20.586	ug/l	99
64) Tetrachloroethene	10.63	164	198752	20.310	ug/l	99
65) Chlorobenzene	11.43	112	546113	20.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	193716	21.407	ug/l	99
67) Ethyl Benzene	11.51	91	940614	20.638	ug/l	100
68) m/p-Xylenes	11.62	106	702685	41.415	ug/l	99
69) o-Xylene	11.95	106	348006	21.122	ug/l	99
70) Styrene	11.97	104	555286	21.160	ug/l	100
71) Bromoform	12.13	173	129210	21.565	ug/l #	100
73) Isopropylbenzene	12.25	105	927419	21.350	ug/l	99
74) N-amyl acetate	12.07	43	229634	20.924	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	219237	22.186	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	171222m	20.054	ug/l	
77) Bromobenzene	12.53	156	229940	21.416	ug/l	98
78) n-propylbenzene	12.59	91	1039738	21.069	ug/l	99
79) 2-Chlorotoluene	12.67	91	618634	21.051	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	735000	21.215	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53913	21.087	ug/l	98
82) 4-Chlorotoluene	12.77	91	615476	20.781	ug/l	100
83) tert-Butylbenzene	12.99	119	666736	21.587	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	738593	21.273	ug/l	100
85) sec-Butylbenzene	13.17	105	887987	21.109	ug/l	100
86) p-Isopropyltoluene	13.29	119	752048	20.989	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	389939	20.762	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	380352	20.560	ug/l	99
89) n-Butylbenzene	13.62	91	603734	20.261	ug/l	99
90) Hexachloroethane	13.88	117	128725	21.218	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	385179	21.466	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31331	22.169	ug/l	99

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	174925	19.618	ug/l	99
94) Hexachlorobutadiene	15.01	225	124621	21.588	ug/l	99
95) Naphthalene	15.13	128	353515	19.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	170250	20.537	ug/l	99

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

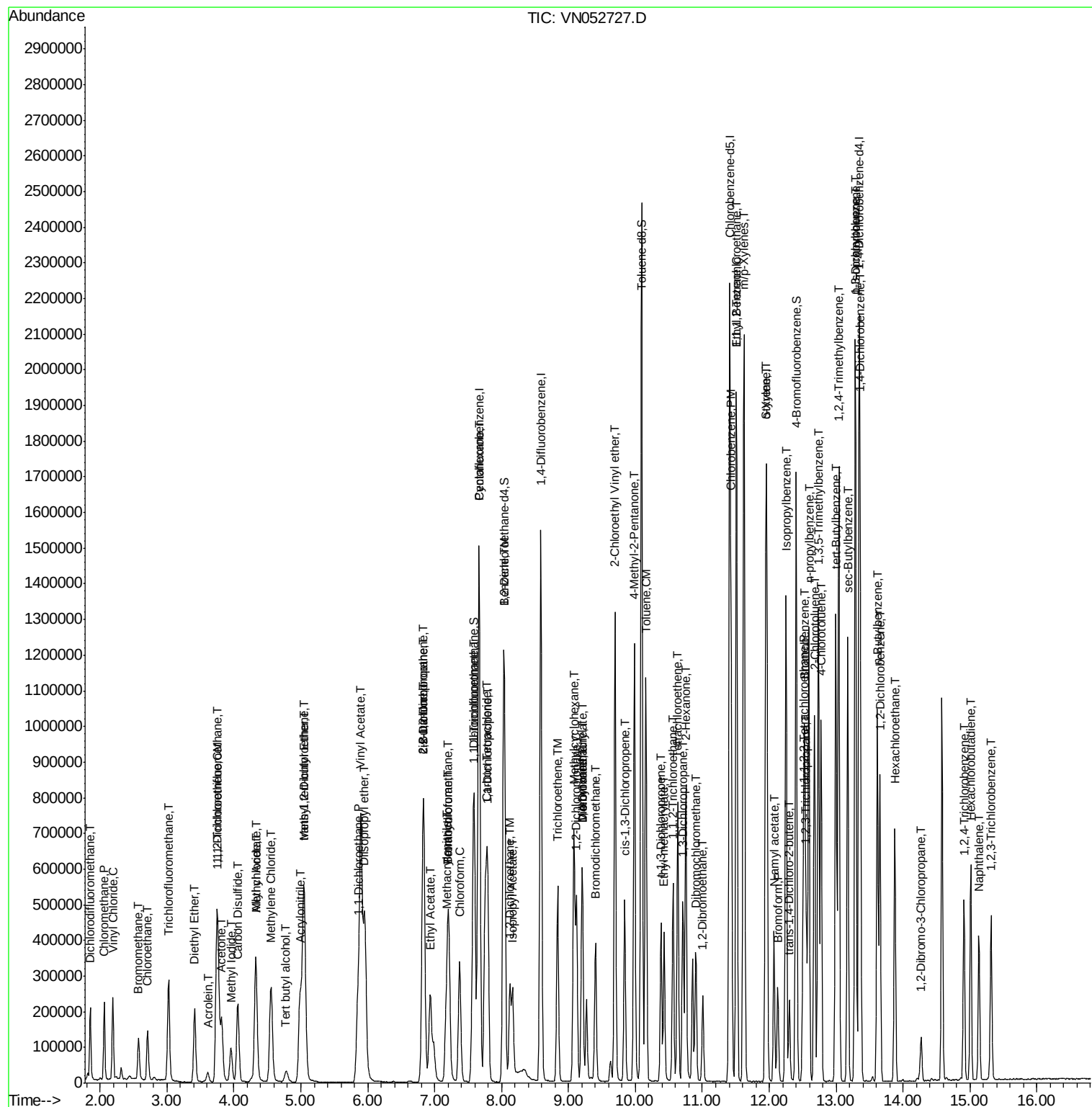
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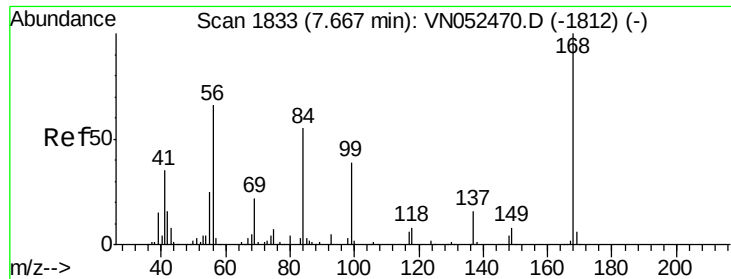
Instrument :
 MSVOA_N
 Client Sampled :
 VN1207WBSD02

Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion:168 Resp: 925295

Ion Ratio Lower Upper

168 100

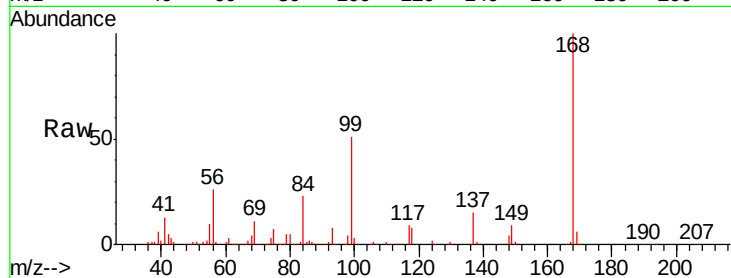
99 51.1 41.7 62.5

Manual Integrations

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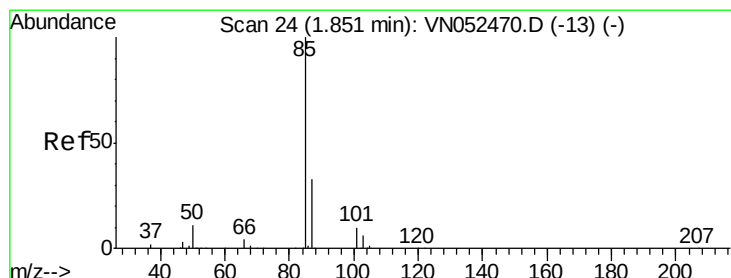
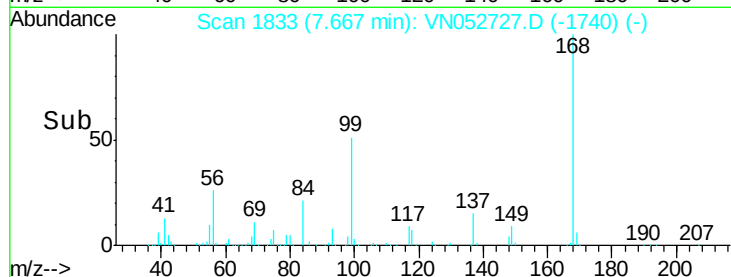
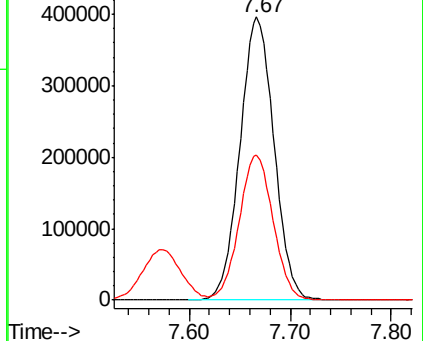
MMDadoda

12/10/2018 12:50:56 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 17.798 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052727.D

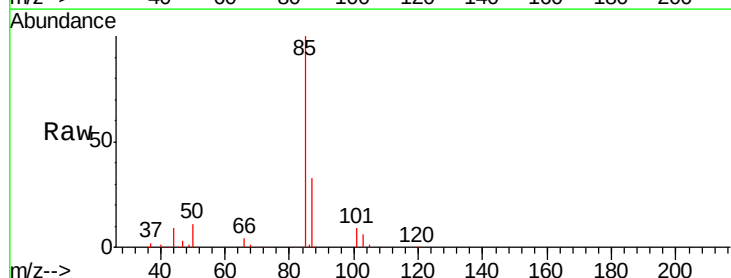
Acq: 7 Dec 2018 15:25

Tgt Ion: 85 Resp: 154203

Ion Ratio Lower Upper

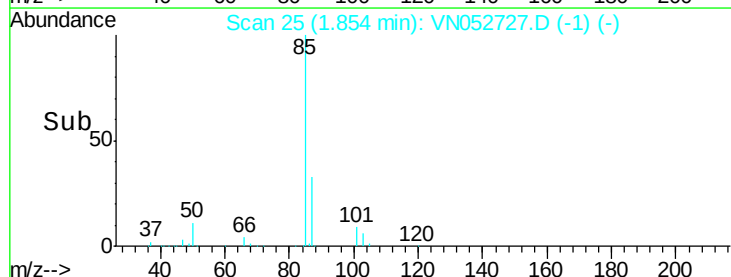
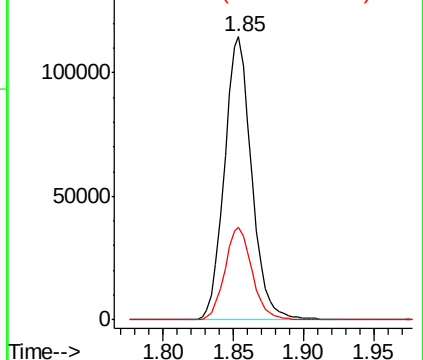
85 100

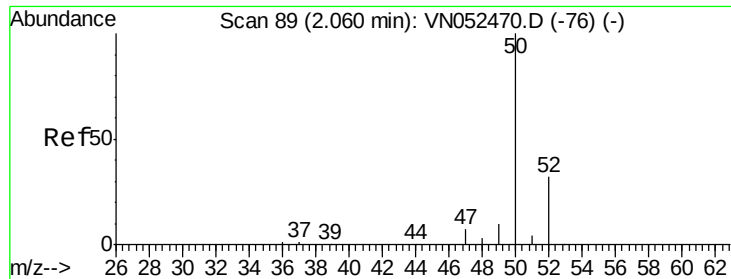
87 32.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.356 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 50 Resp: 198486

Ion Ratio Lower Upper

50 100

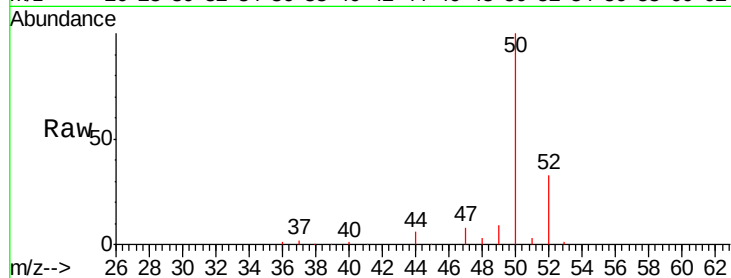
52 33.3 25.9 38.9

Manual Integrations

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12/10/2018 12:50:56 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

150000

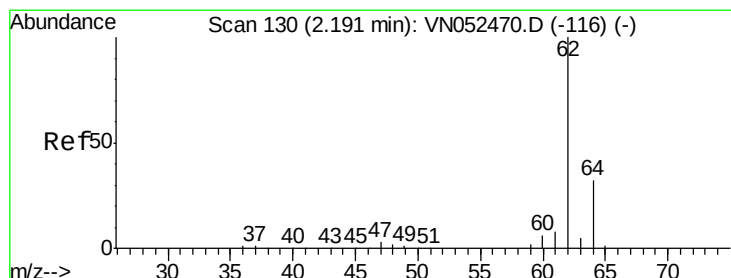
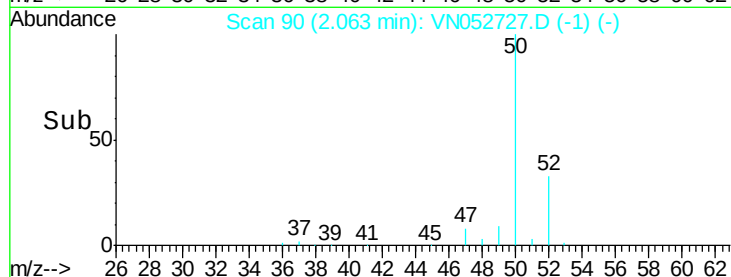
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 17.801 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052727.D

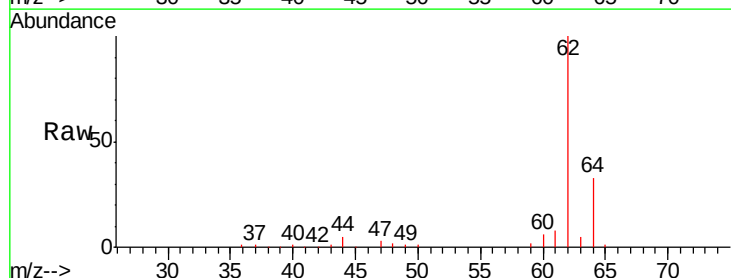
Acq: 7 Dec 2018 15:25

Tgt Ion: 62 Resp: 209130

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

150000

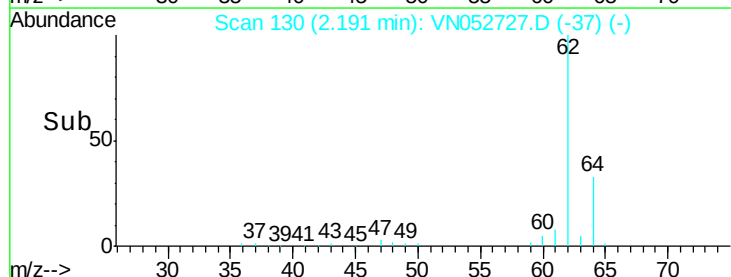
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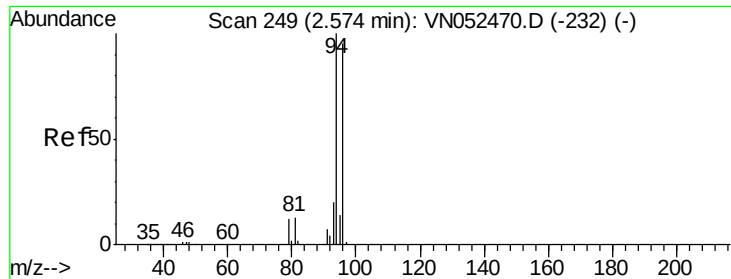
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 10.557 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 94 Resp: 77382

Ion Ratio Lower Upper

94 100

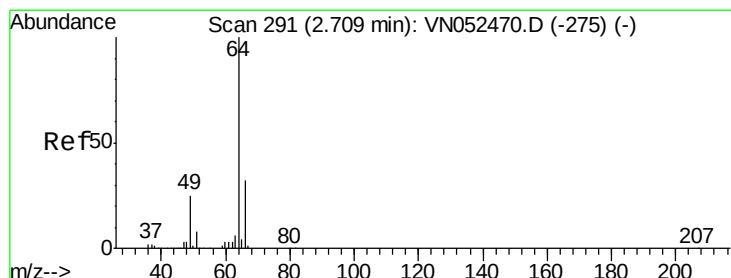
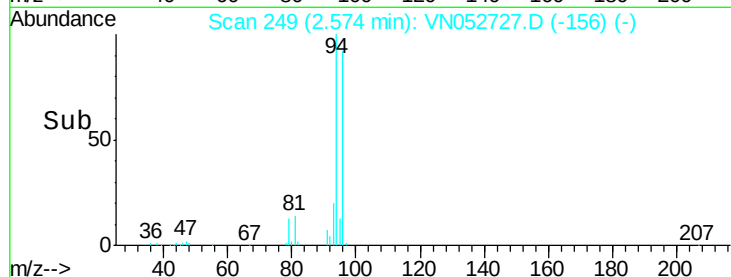
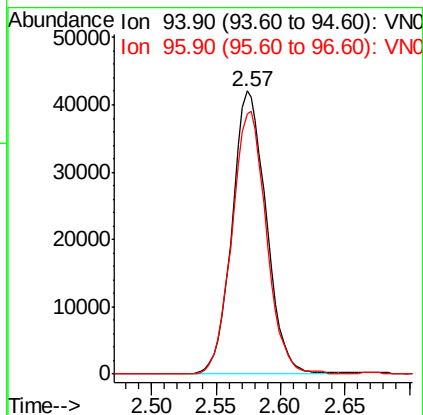
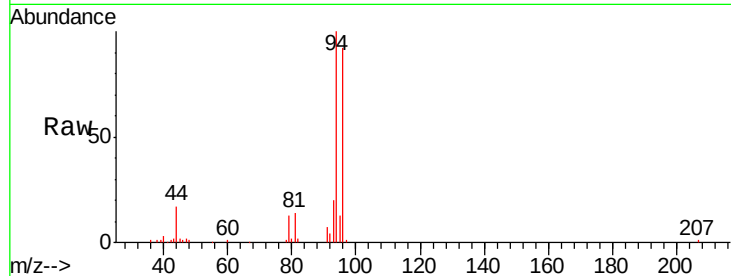
96 92.0 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 18.404 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052727.D

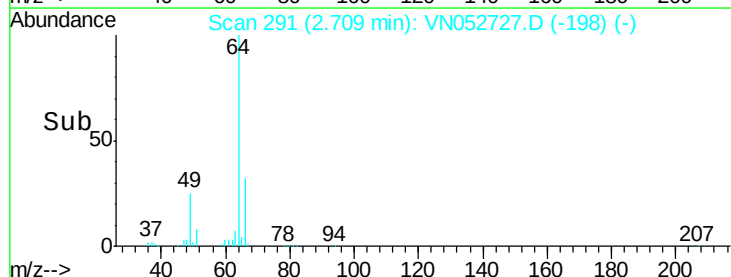
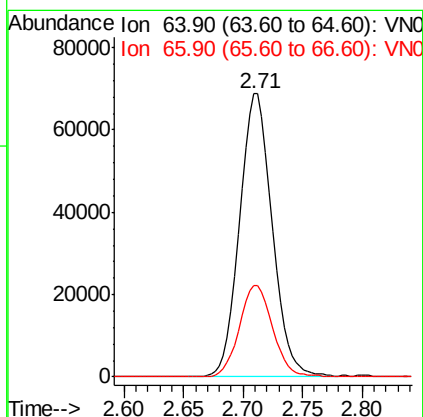
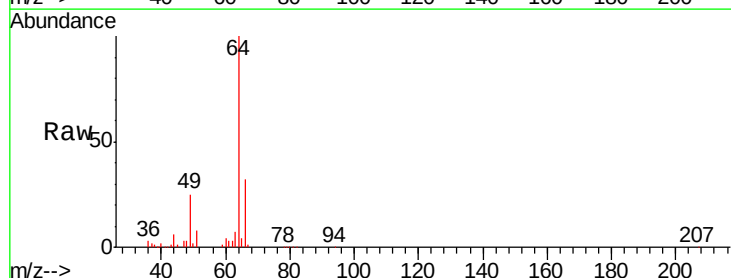
Acq: 7 Dec 2018 15:25

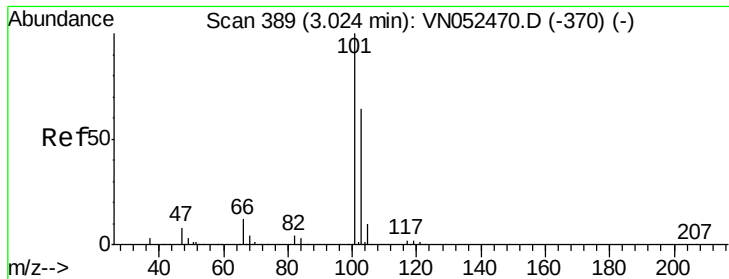
Tgt Ion: 64 Resp: 130962

Ion Ratio Lower Upper

64 100

66 32.3 25.7 38.5





#7

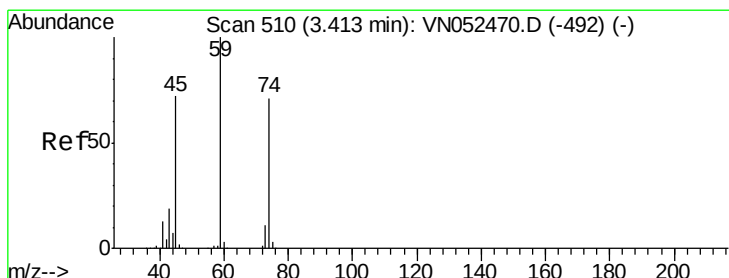
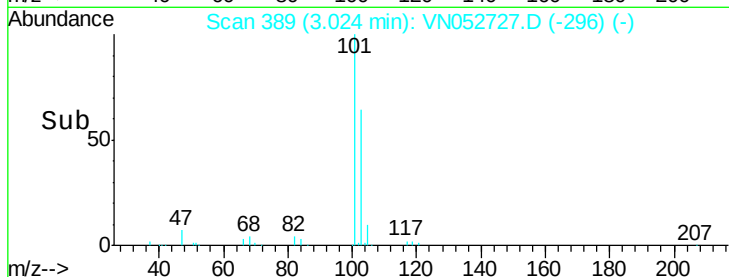
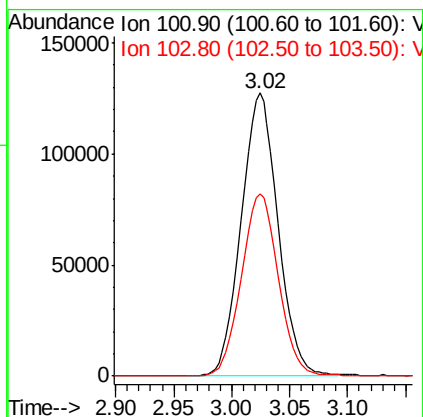
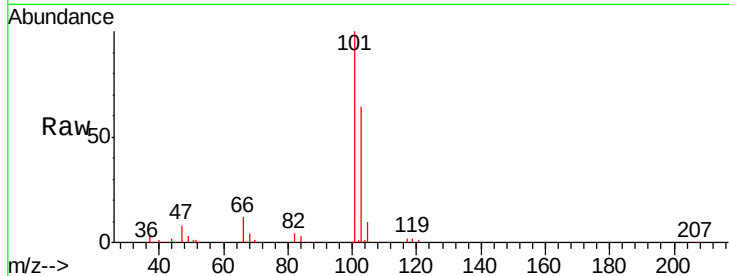
Trichlorofluoromethane
Concen: 19.493 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052727.D
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ClientSampleId :
VN1207WBSD02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

Manual Integrations
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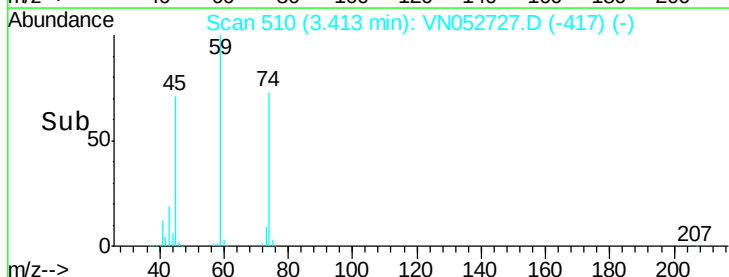
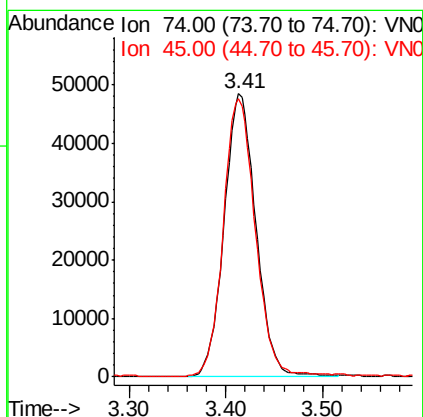
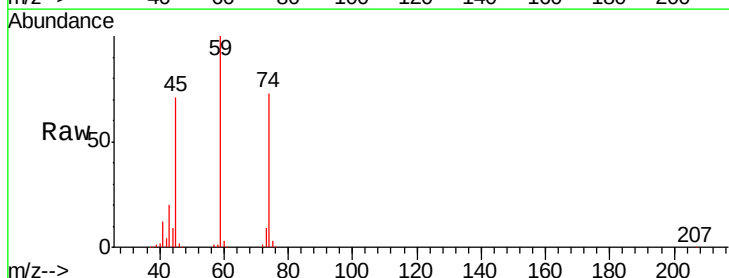
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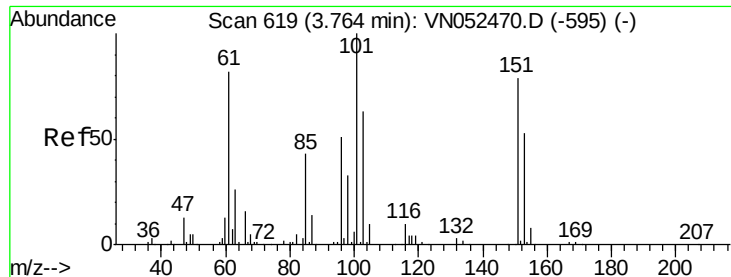


#8

Diethyl Ether
Concen: 20.793 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.199 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

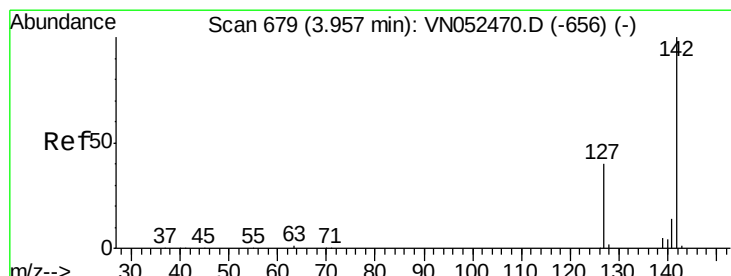
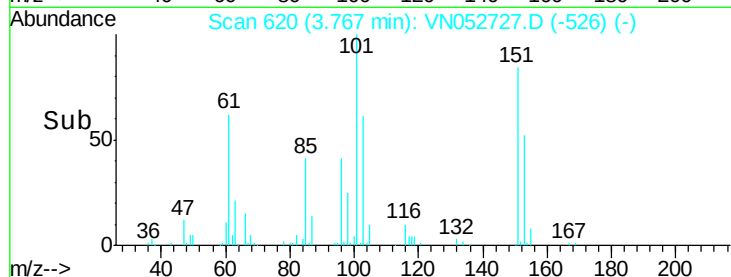
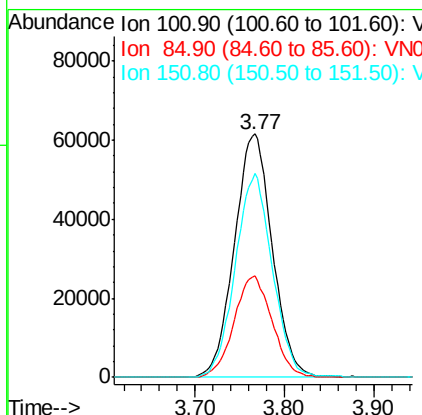
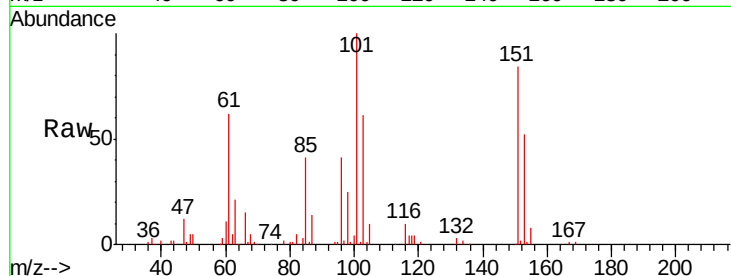
ClientSampleId :

VN1207WBSD02

Tgt Ion:	101	Resp:	181886
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.4
151	81.6	64.6	96.8

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#10

Methyl Iodide

Concen: 12.811 ug/l

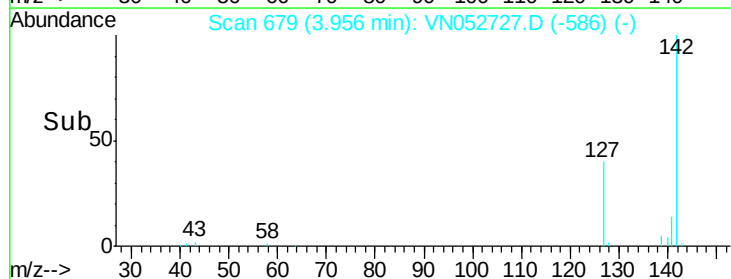
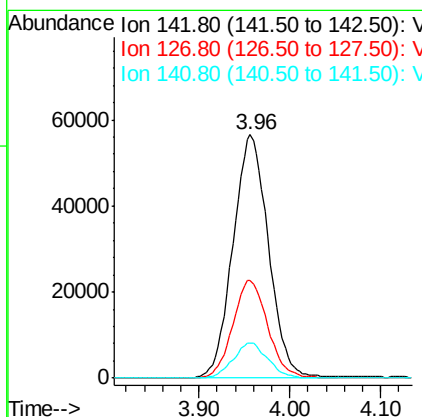
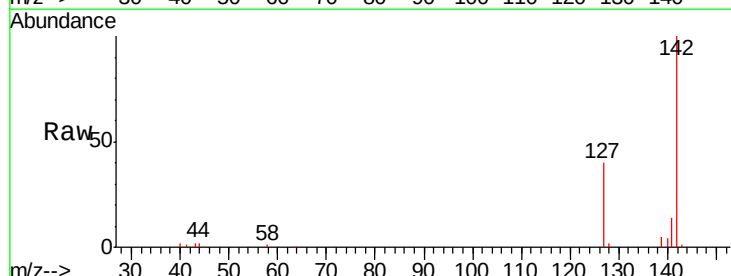
RT: 3.96 min Scan# 679

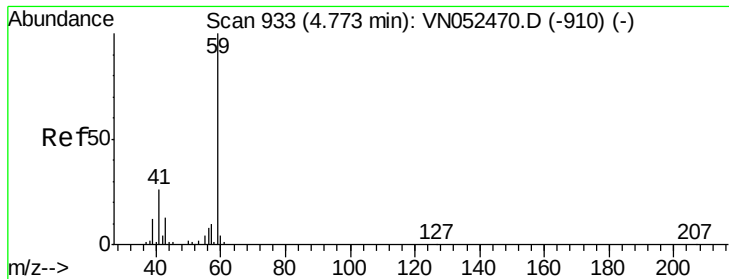
Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Tgt Ion:	142	Resp:	153643
Ion Ratio	Lower	Upper	
142	100		
127	39.5	31.8	47.6
141	14.1	11.4	17.0





#11

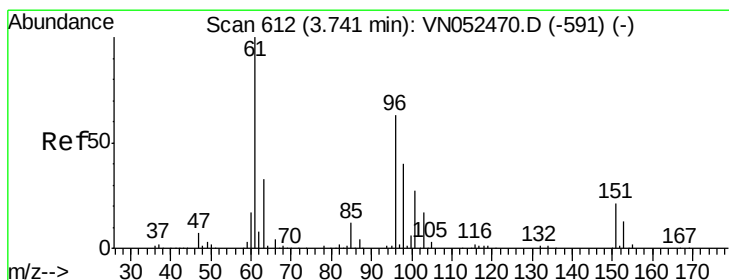
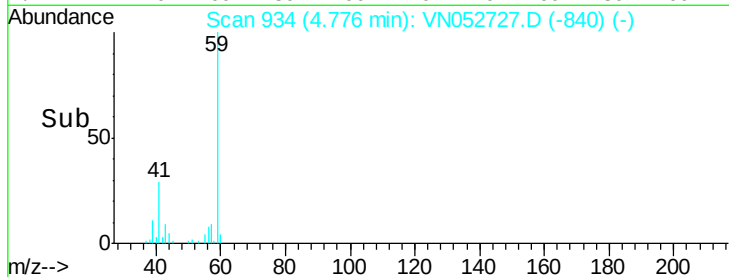
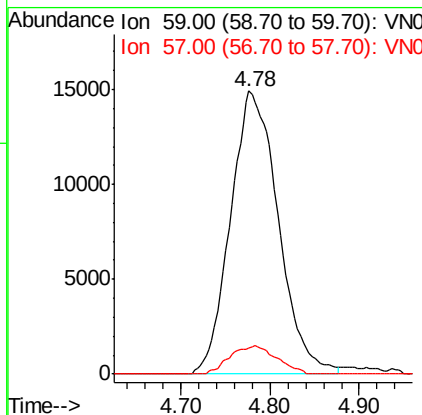
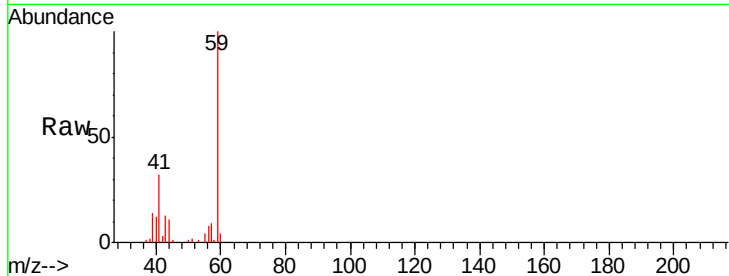
Tert butyl alcohol
Concen: 110.080 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

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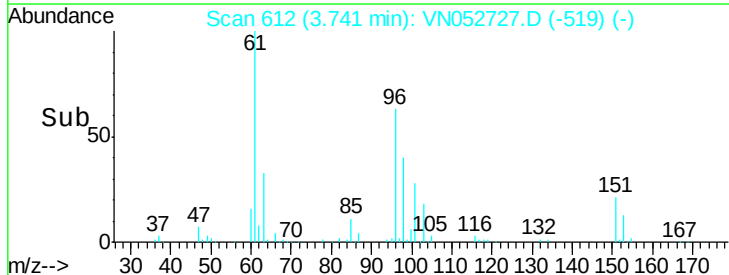
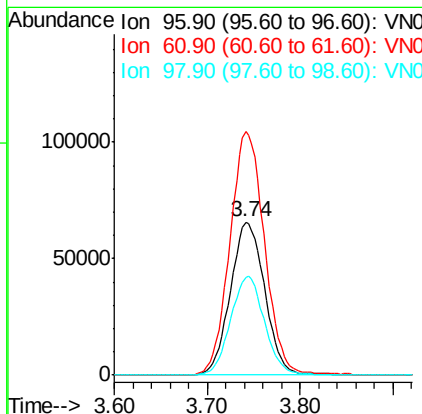
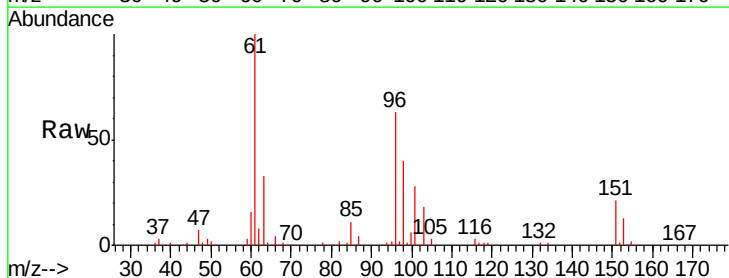
MMDadoda
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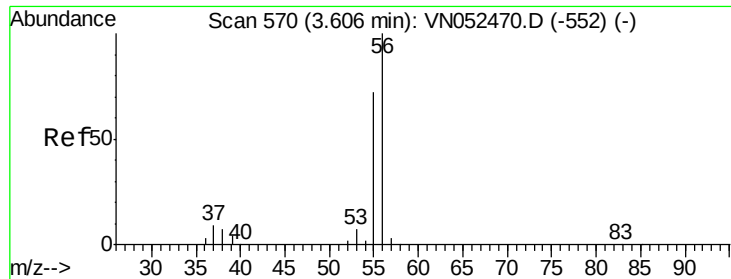


#12

1,1-Dichloroethene
Concen: 19.517 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	127.0	190.6
98	63.8	50.3	75.5





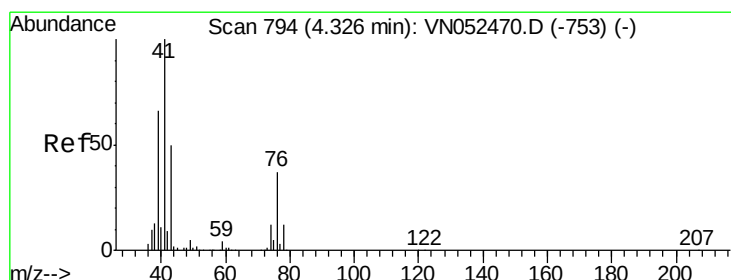
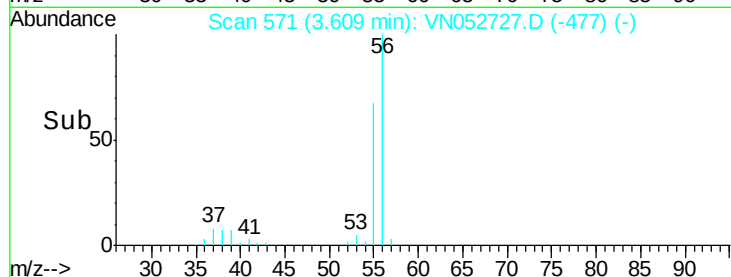
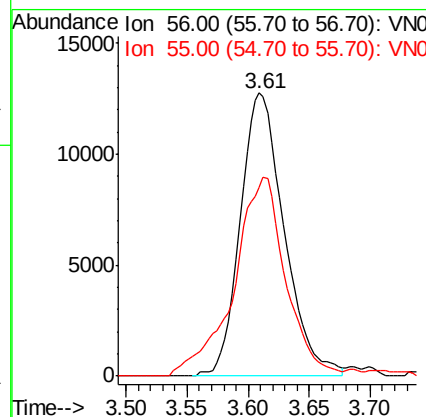
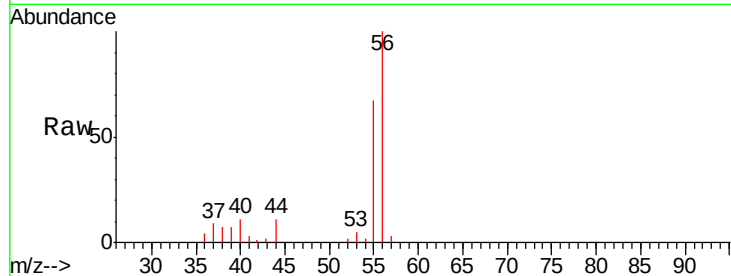
#13
Acrolein
Concen: 36.222 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion	Ratio	Lower	Upper
56	100		
55	82.8	56.8	85.2

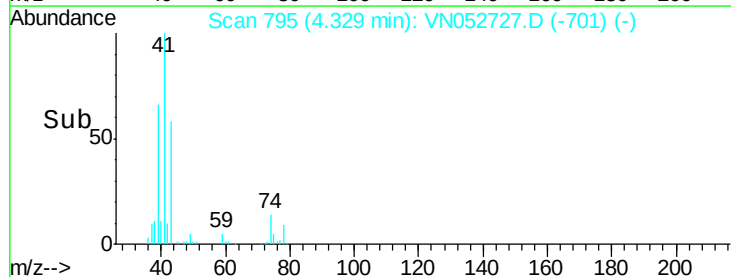
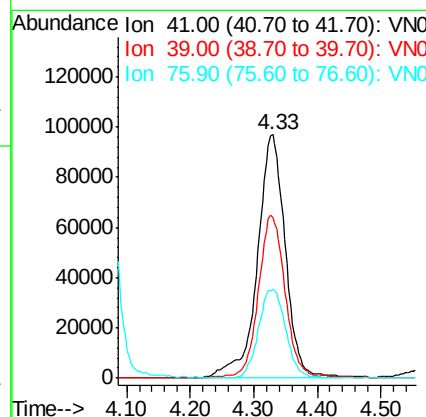
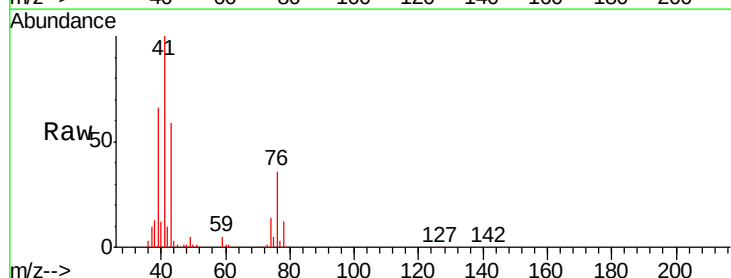
Manual Integrations
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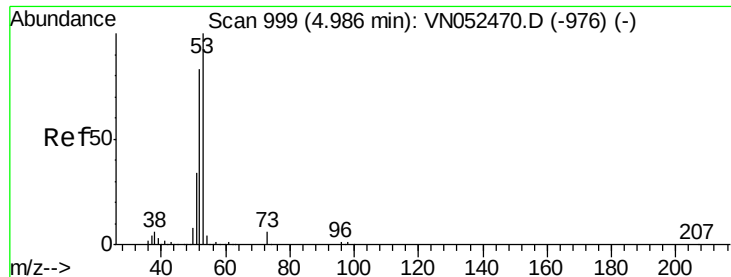
MMDadoda
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#14
Allyl chloride
Concen: 19.861 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.0	50.6	76.0
76	35.0	27.4	41.2





#15

Acrylonitrile

Concen: 104.918 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

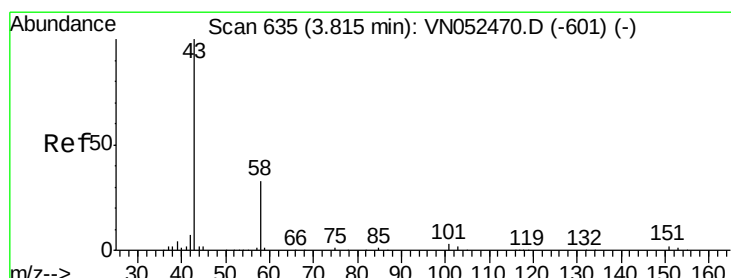
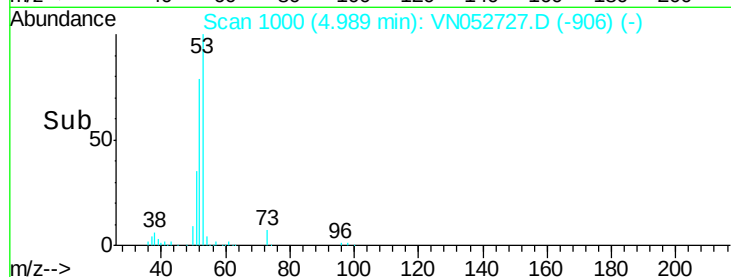
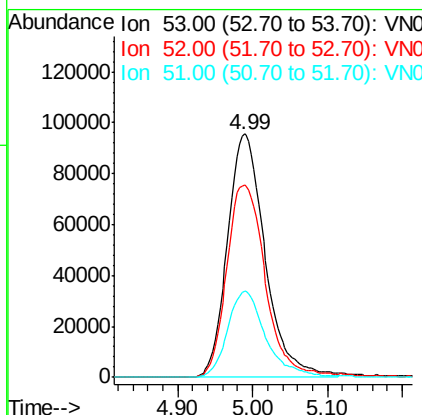
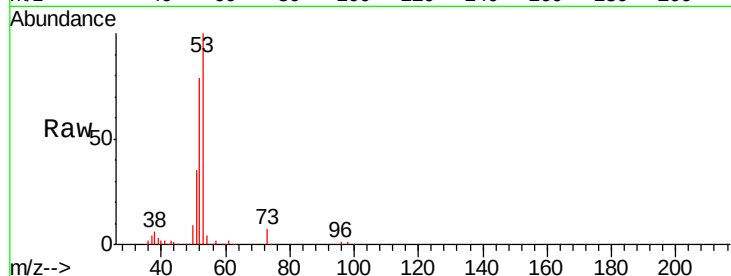
ClientSampleId :

VN1207WBSD02

Tgt Ion:	53	Resp:	334974
Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.2	99.2
51	36.0	28.1	42.1

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#16

Acetone

Concen: 106.515 ug/l

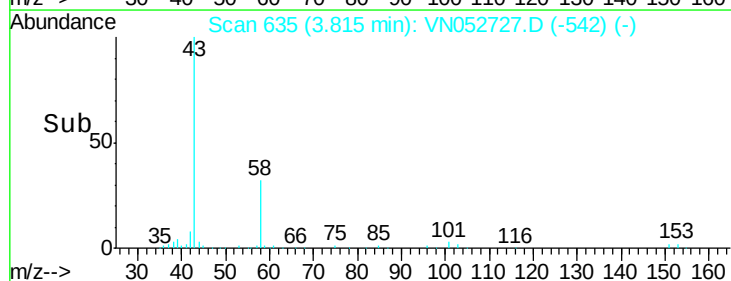
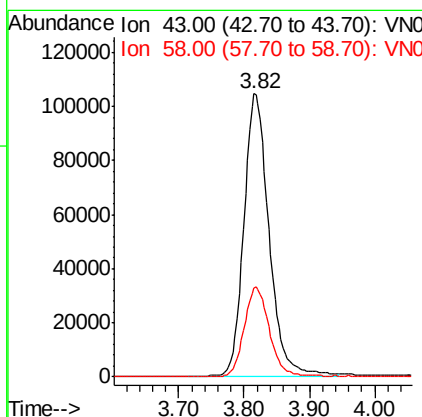
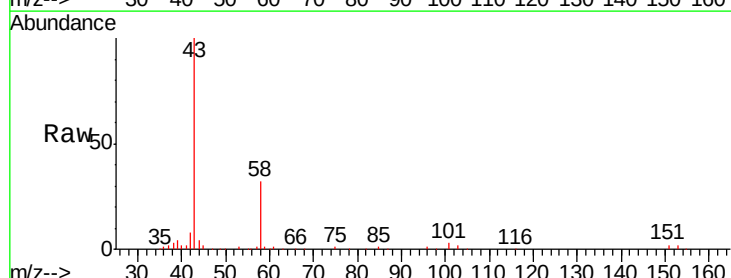
RT: 3.82 min Scan# 635

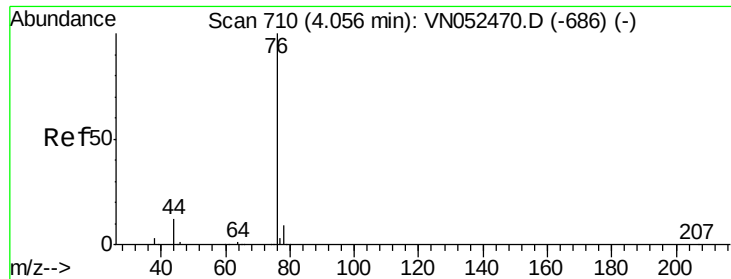
Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Tgt Ion:	43	Resp:	283046
Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.0	39.0





#17

Carbon Disulfide

Concen: 16.409 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 76 Resp: 447577

Ion Ratio Lower Upper

76 100

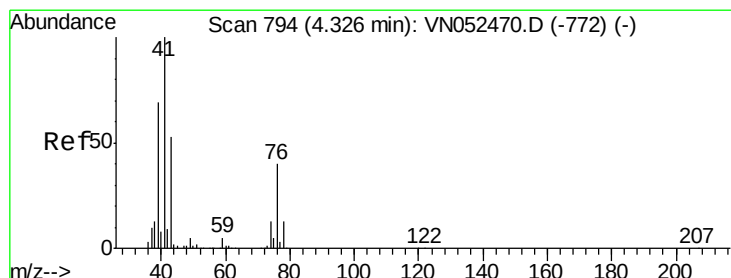
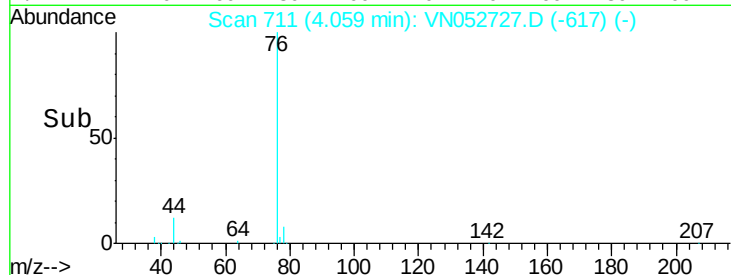
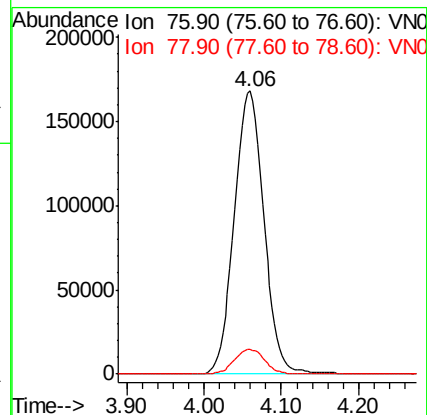
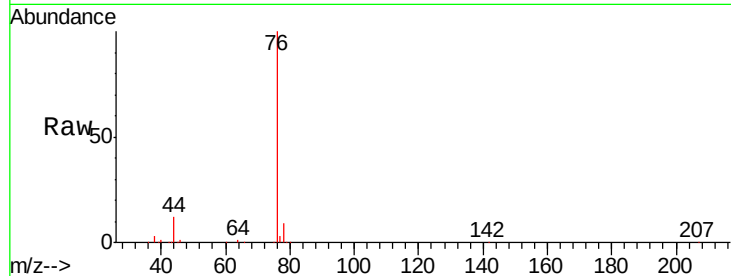
78 8.7 7.4 11.0

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#18

Methyl Acetate

Concen: 22.185 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052727.D

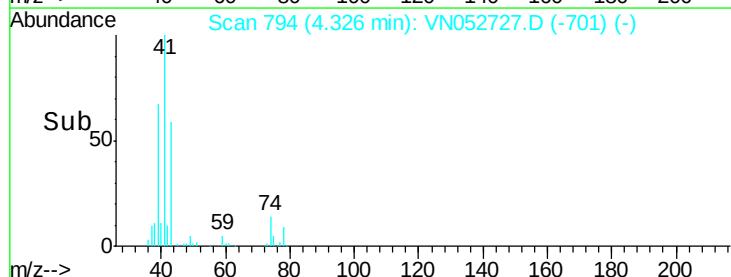
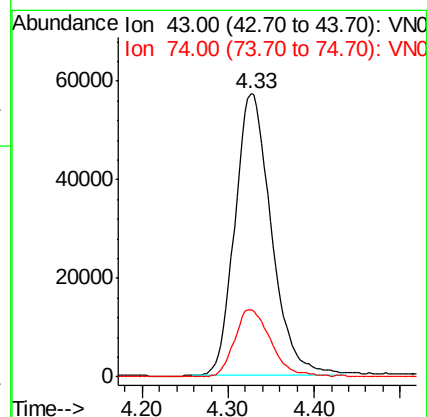
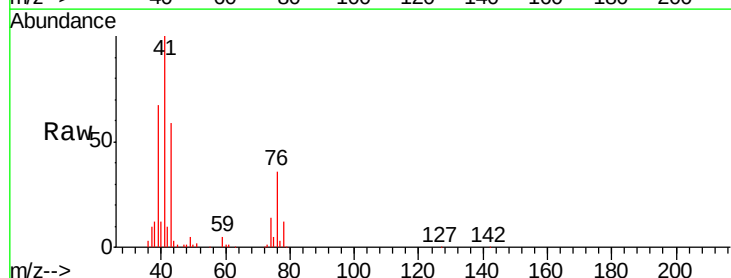
Acq: 7 Dec 2018 15:25

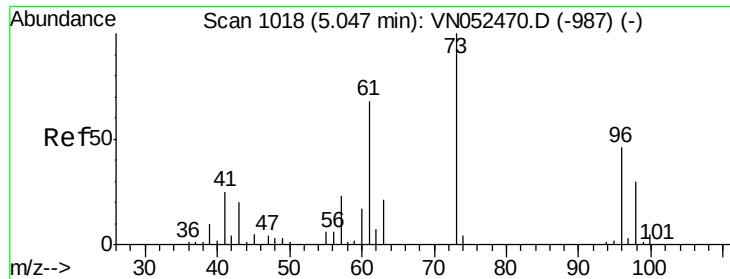
Tgt Ion: 43 Resp: 169107

Ion Ratio Lower Upper

43 100

74 23.9 18.6 27.8





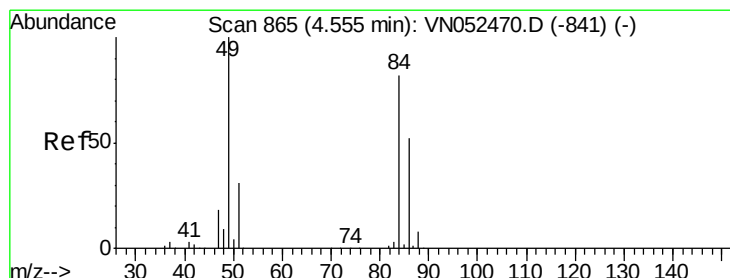
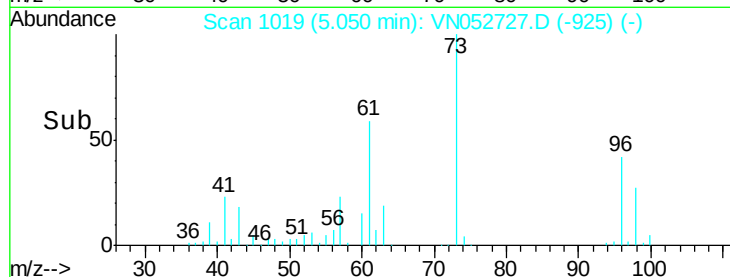
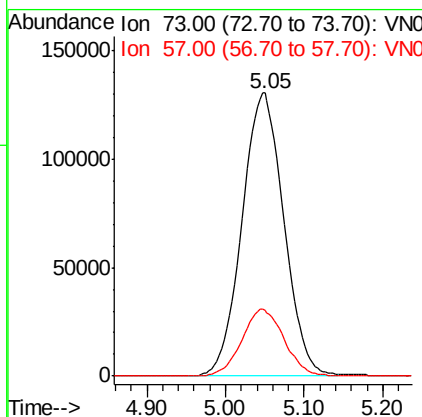
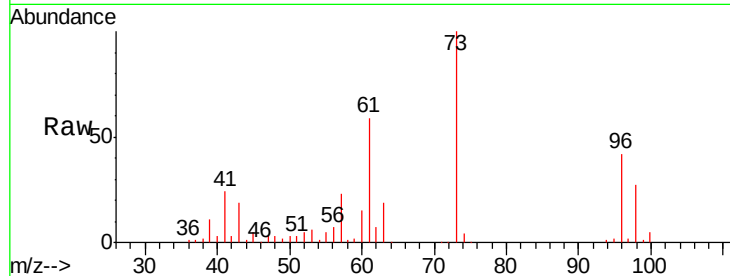
#19
Methyl tert-butyl Ether
Concen: 21.176 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion: 73 Resp: 488335
Ion Ratio Lower Upper
73 100
57 23.3 18.2 27.2

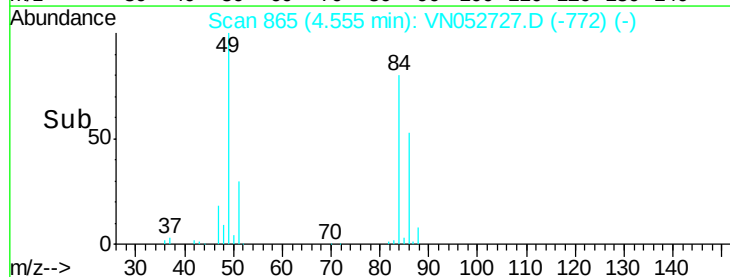
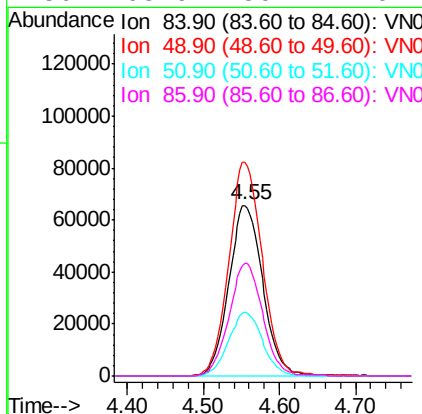
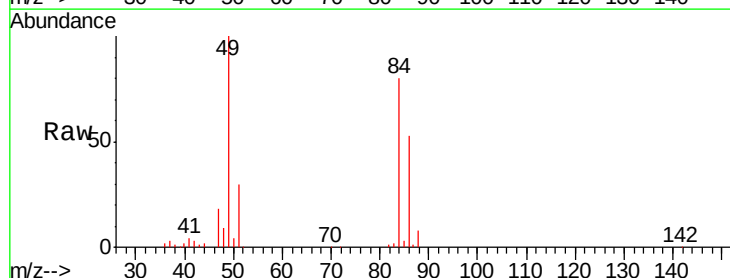
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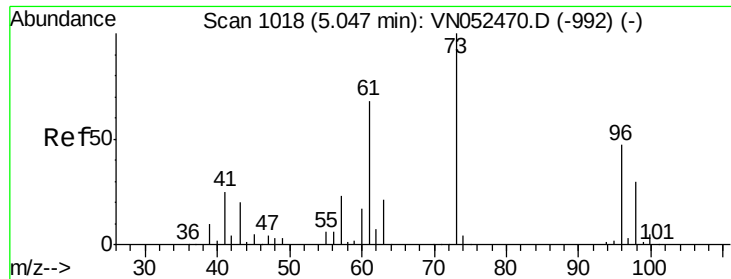
MMDadoda
12/10/2018 12:50:56 PM



#20
Methylene Chloride
Concen: 19.556 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion: 84 Resp: 203357
Ion Ratio Lower Upper
84 100
49 125.0 98.0 147.0
51 37.7 30.1 45.1
86 65.9 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 19.494 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

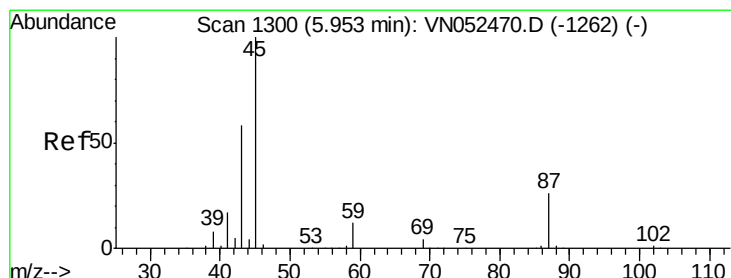
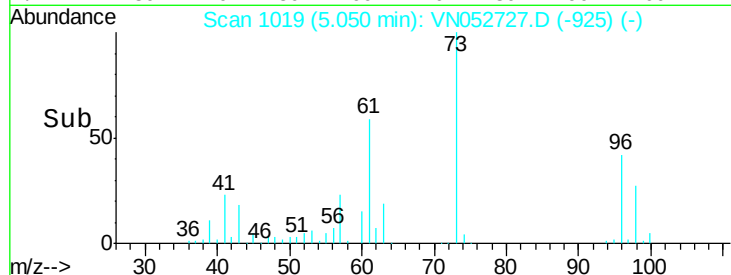
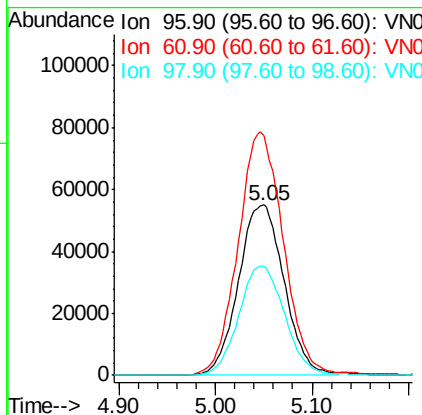
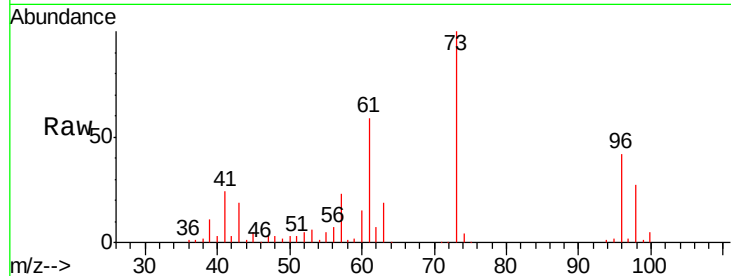
ClientSampleId :

VN1207WBSD02

Tgt Ion:	96	Resp:	180460
Ion	Ratio	Lower	Upper
96	100		
61	140.1	117.0	175.4
98	64.1	51.8	77.6

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#22

Diisopropyl ether

Concen: 20.504 ug/l

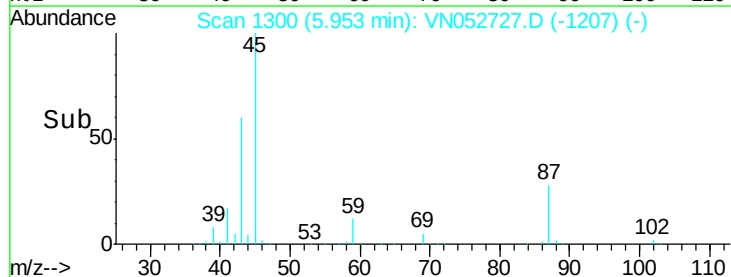
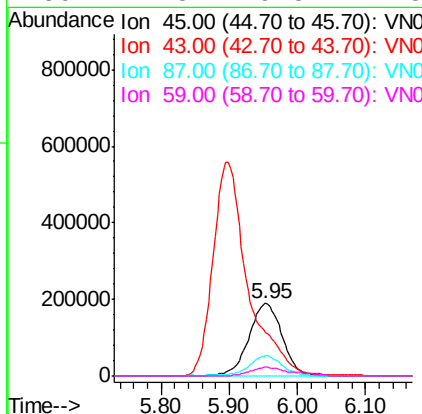
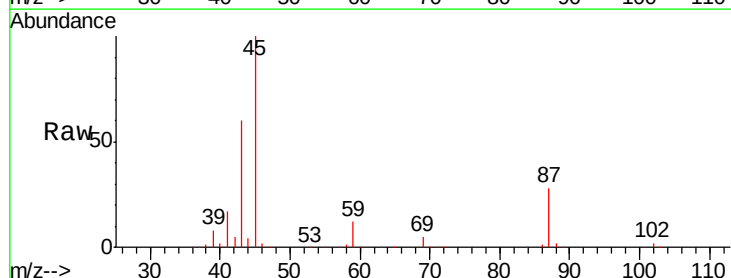
RT: 5.95 min Scan# 1300

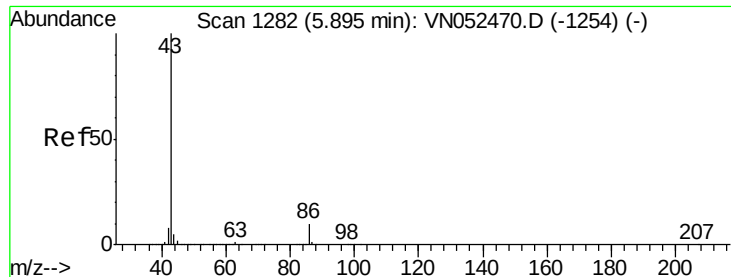
Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Tgt Ion:	45	Resp:	643396
Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.1	69.1
87	27.5	21.3	31.9
59	11.8	9.5	14.3





#23

Vinyl Acetate

Concen: 101.662 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 43 Resp: 1986937

Ion Ratio Lower Upper

43 100

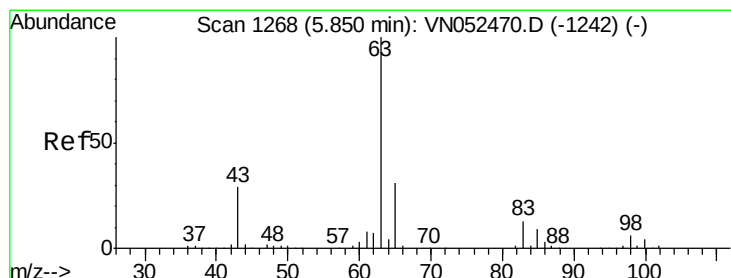
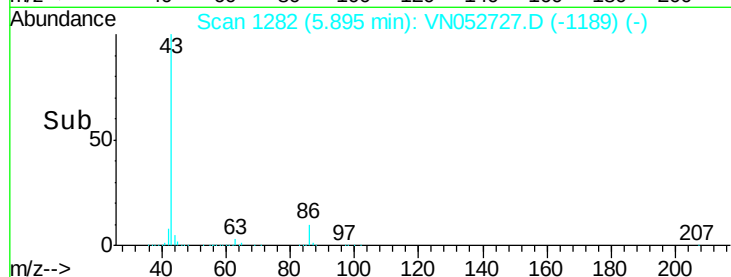
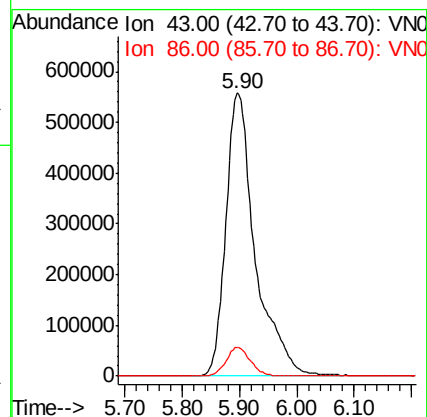
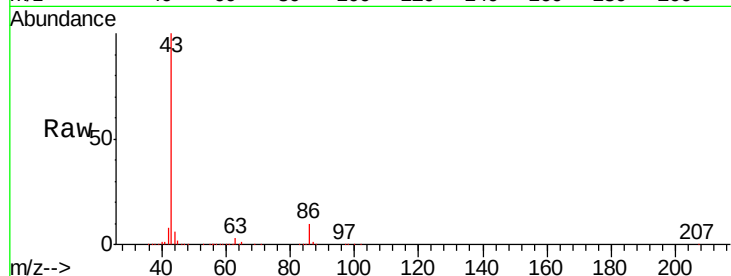
86 10.2 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.544 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

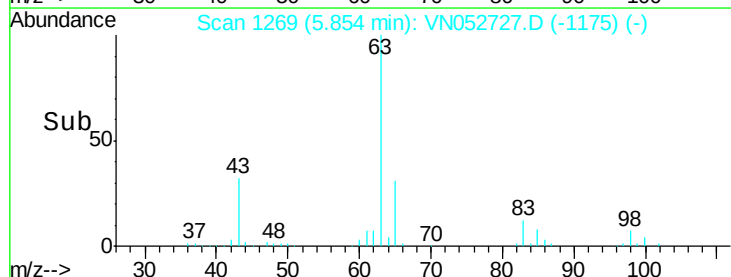
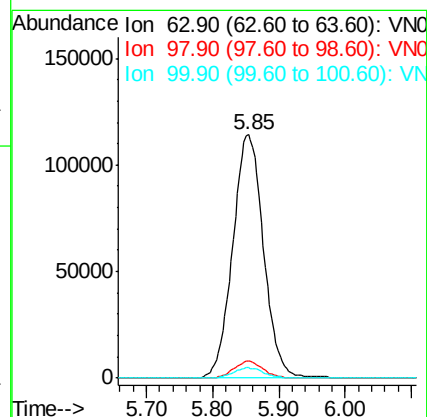
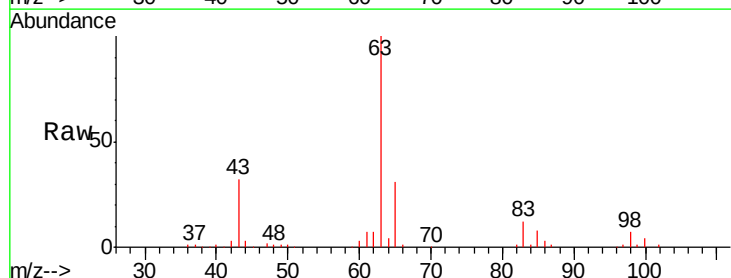
Tgt Ion: 63 Resp: 368082

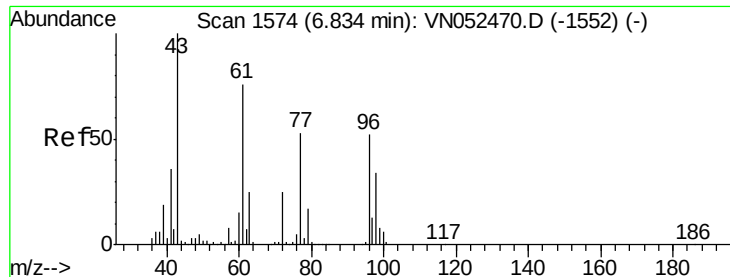
Ion Ratio Lower Upper

63 100

98 7.1 3.0 9.2

100 4.2 2.0 5.8





#25

2-Butanone

Concen: 102.562 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 43 Resp: 386297

Ion Ratio Lower Upper

43 100

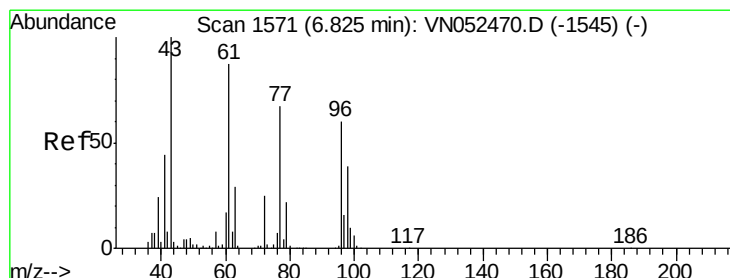
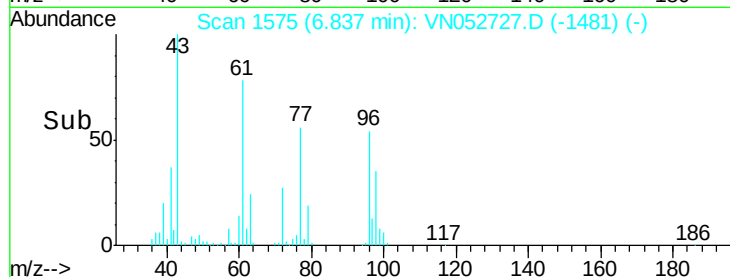
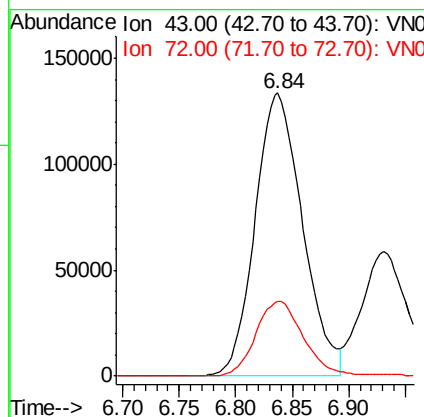
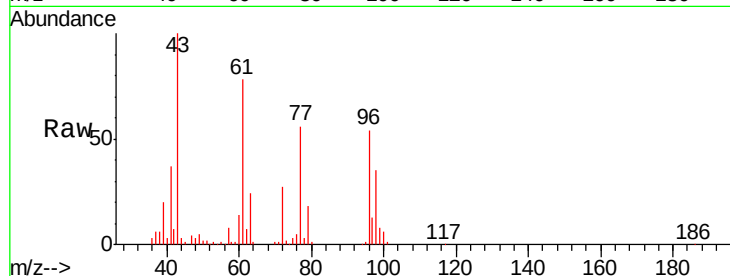
72 26.6 20.1 30.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.565 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052727.D

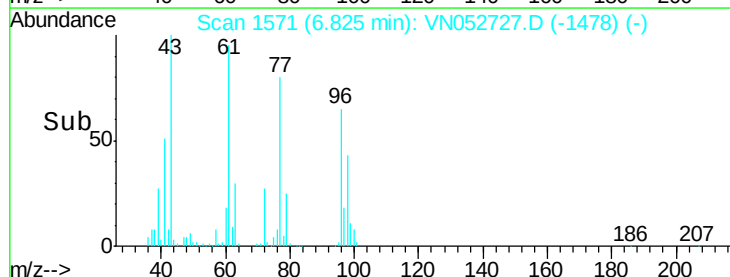
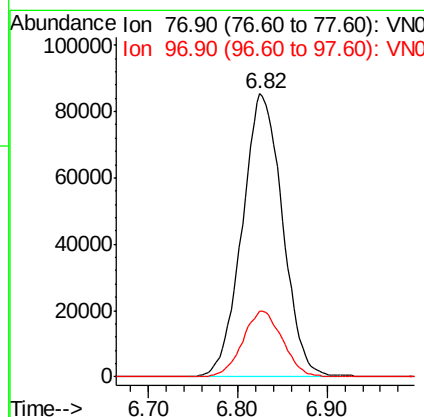
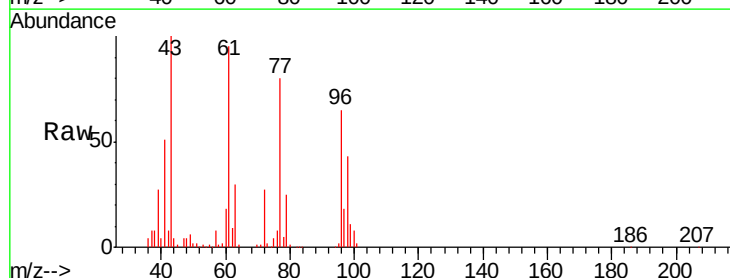
Acq: 7 Dec 2018 15:25

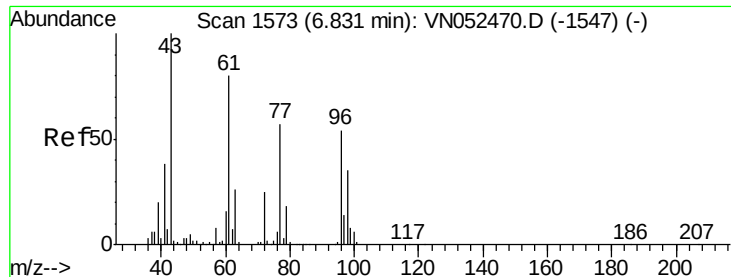
Tgt Ion: 77 Resp: 267423

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.059 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

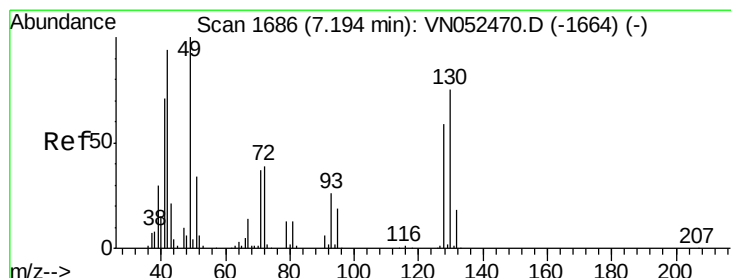
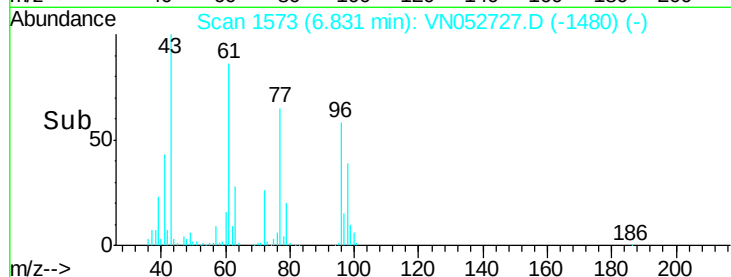
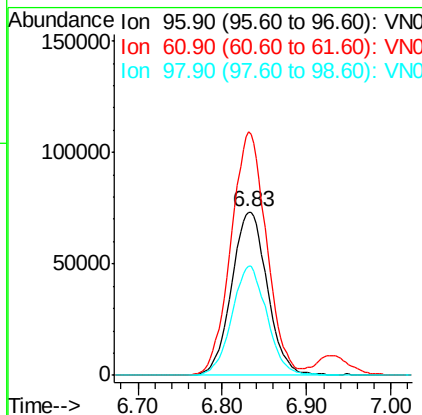
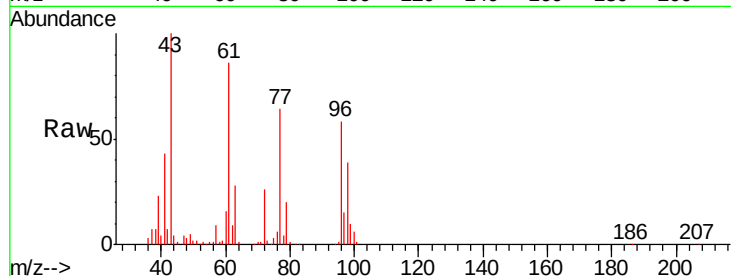
ClientSampleId :

VN1207WBSD02

Tgt Ion:	96	Resp:	216307
Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	291.0
98	65.6	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 19.266 ug/l

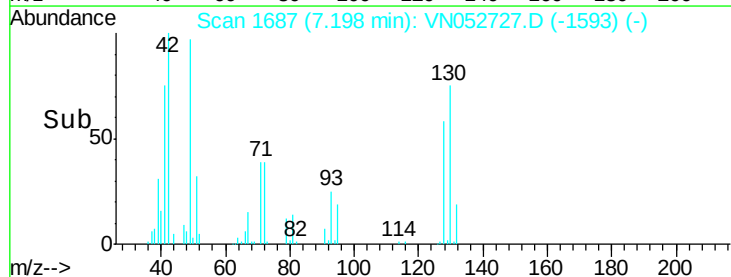
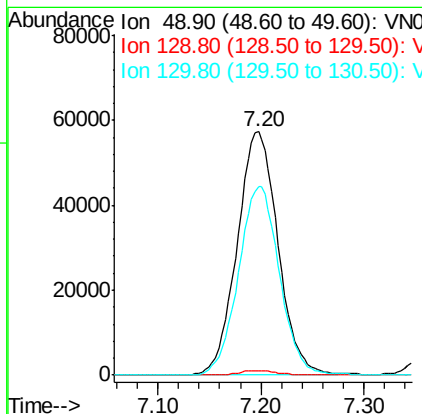
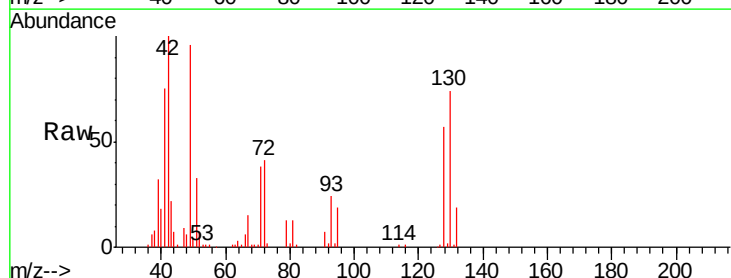
RT: 7.20 min Scan# 1687

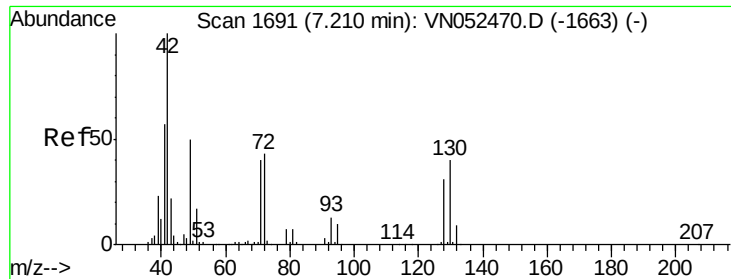
Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Tgt Ion:	49	Resp:	157656
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	77.9	60.2	90.2





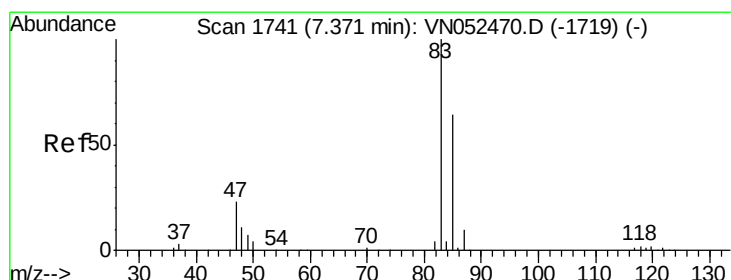
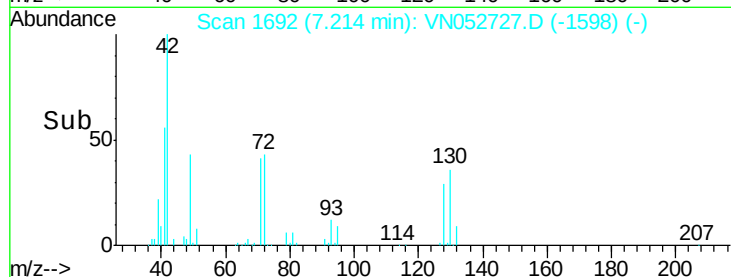
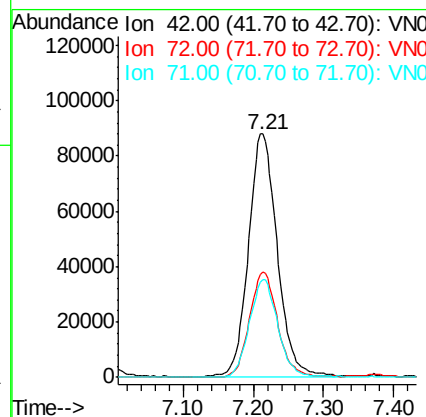
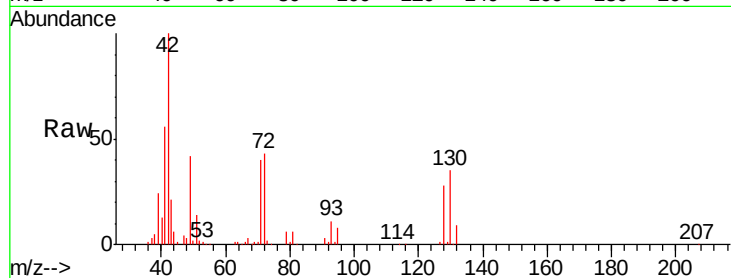
#29
Tetrahydrofuran
Concen: 102.543 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.3	49.9
71	39.9	32.0	48.0

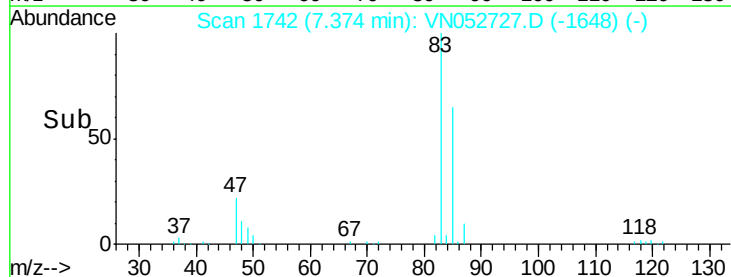
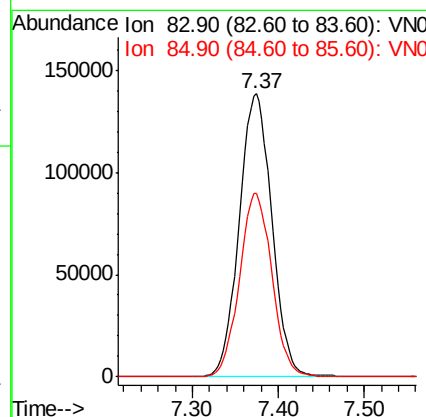
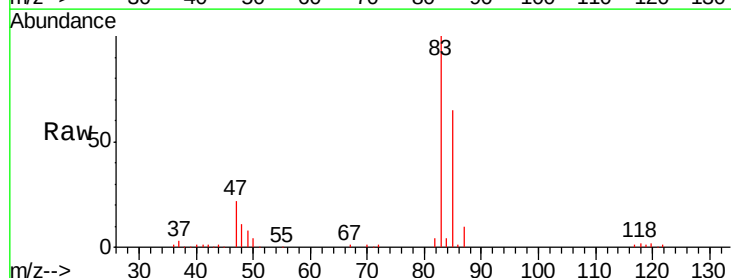
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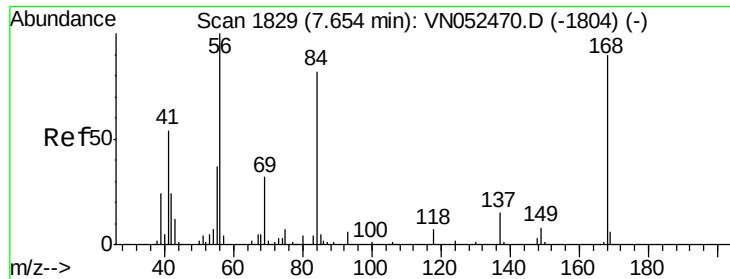
MMDadoda
12/10/2018 12:50:56 PM



#30
Chloroform
Concen: 20.480 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.0	76.4





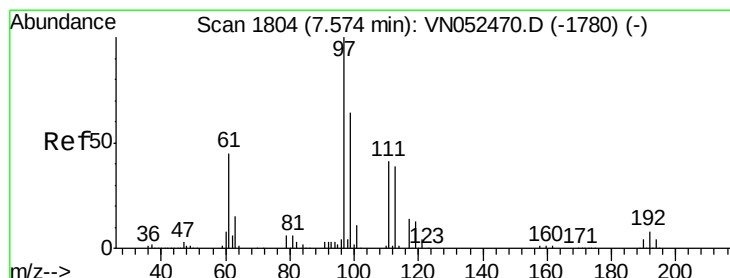
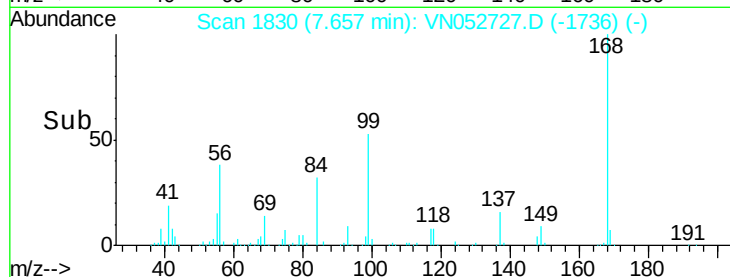
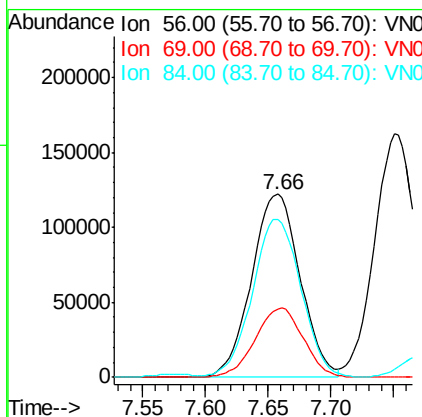
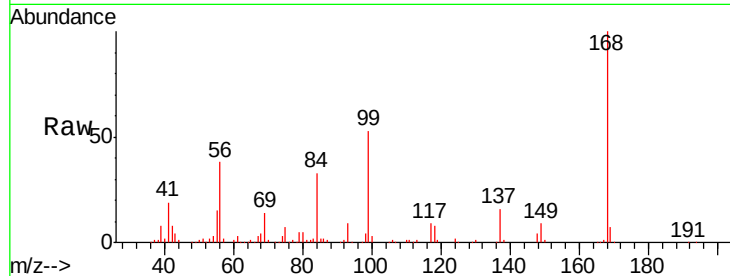
#31
Cyclohexane
Concen: 18.763 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.3	25.8	38.6
84	85.2	65.3	97.9

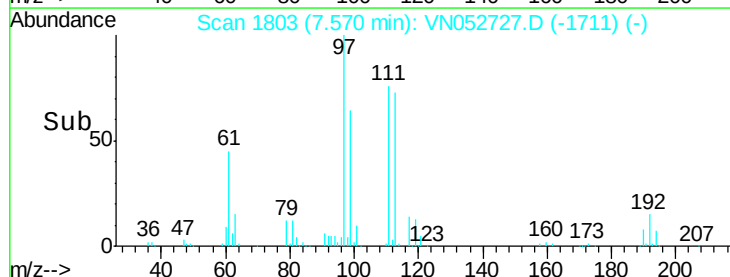
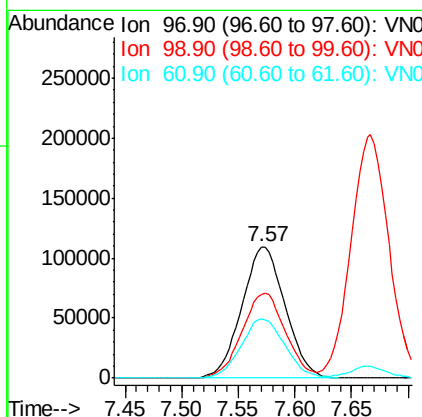
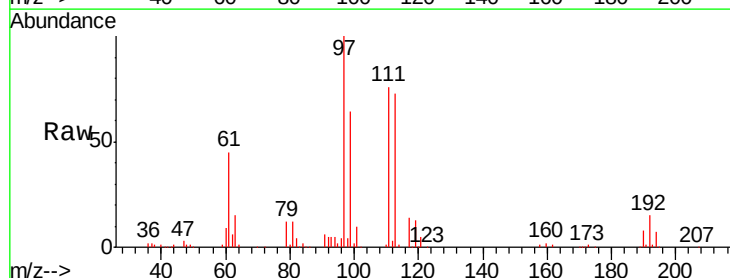
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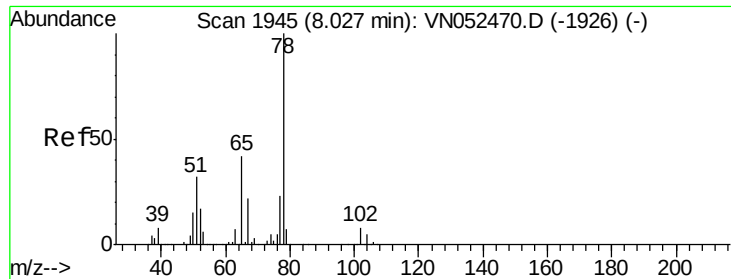
MMDadoda
12/10/2018 12:50:56 PM



#32
1,1,1-Trichloroethane
Concen: 20.523 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	45.6	36.8	55.2





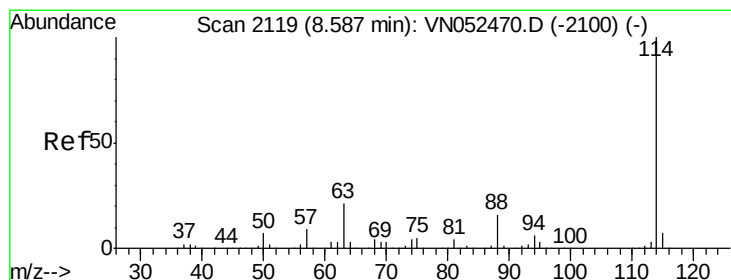
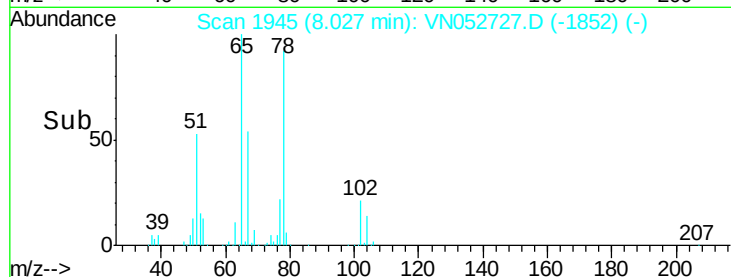
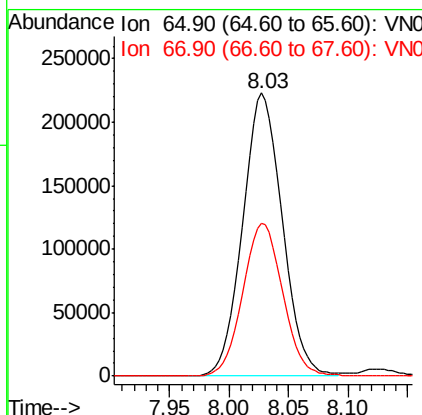
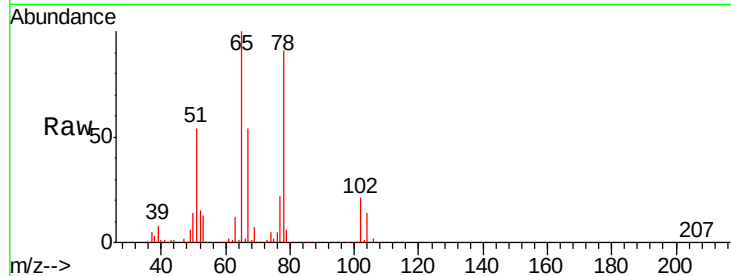
#33
 1,2-Dichloroethane-d4
 Concen: 20.523 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	514632		
67	54.5	0.0	109.8	

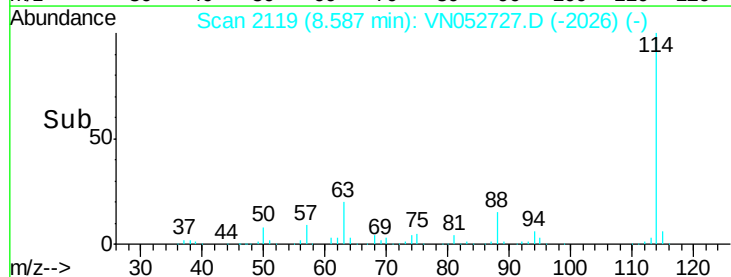
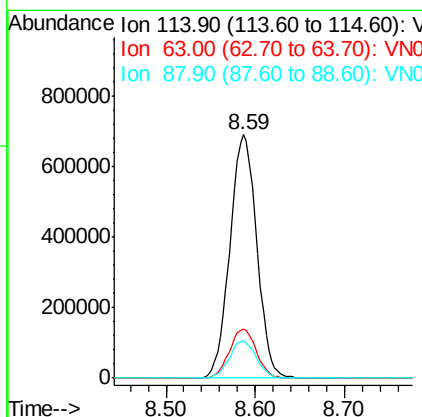
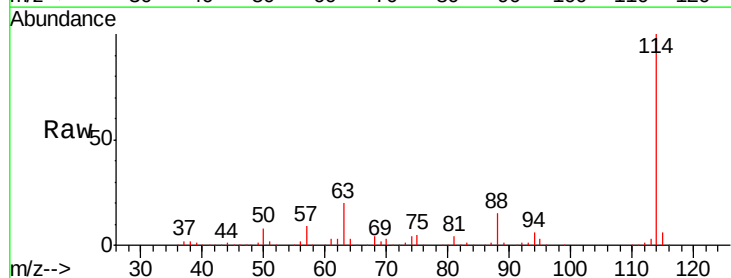
Manual Integrations
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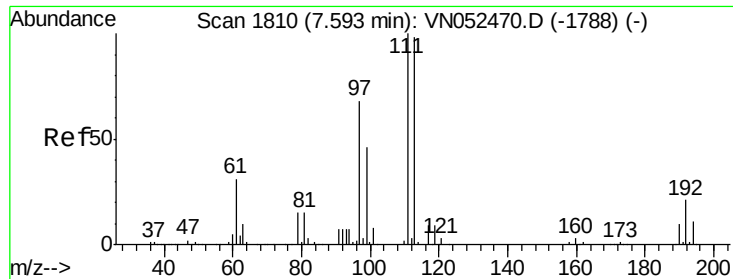
MMDadoda
 12/10/2018 12:50:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1441848		
63	20.1	0.0	41.8	
88	15.2	0.0	31.6	





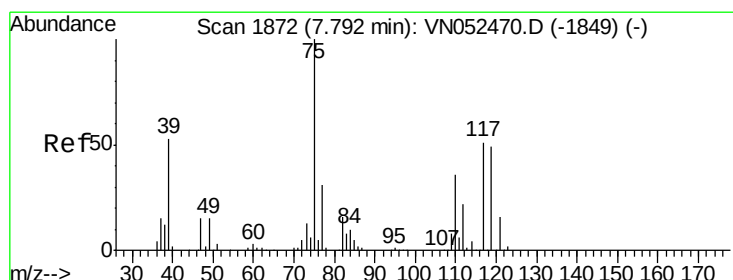
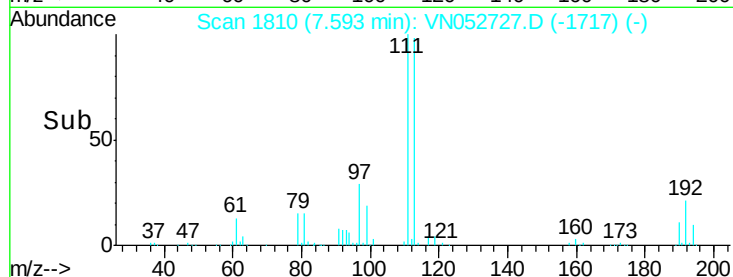
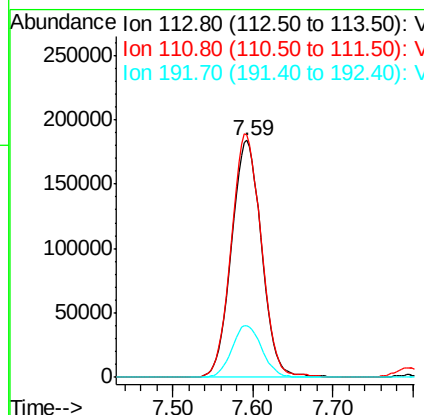
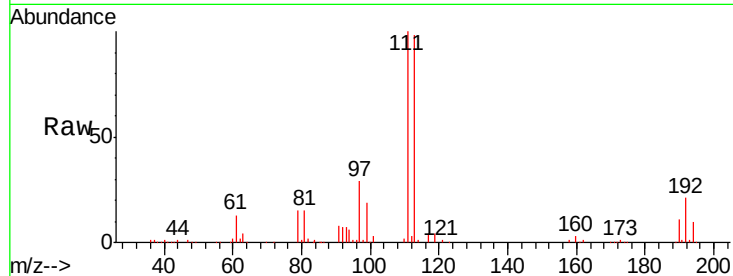
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	469033		
111	102.5	82.0	123.0	
192	21.7	17.0	25.6	

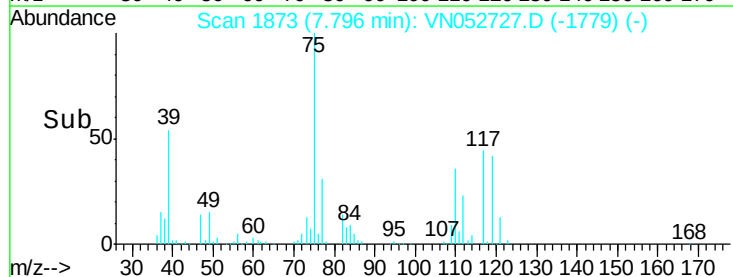
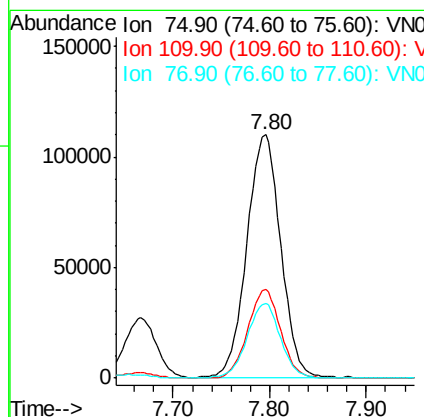
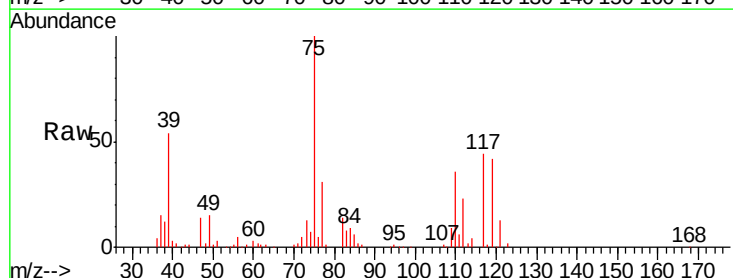
Manual Integrations
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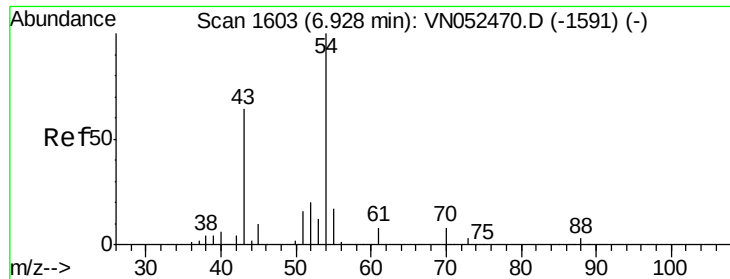
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#36
1,1-Dichloropropene
Concen: 19.567 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	266423		
110	35.4	17.5	52.6	
77	30.5	24.5	36.7	





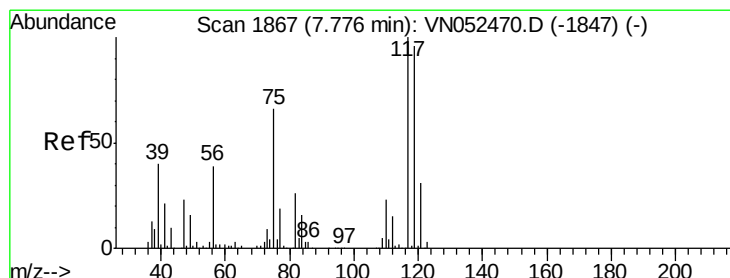
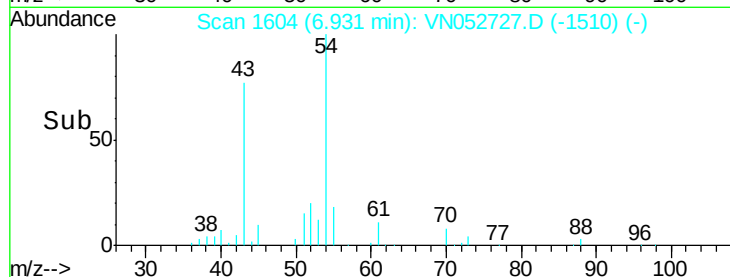
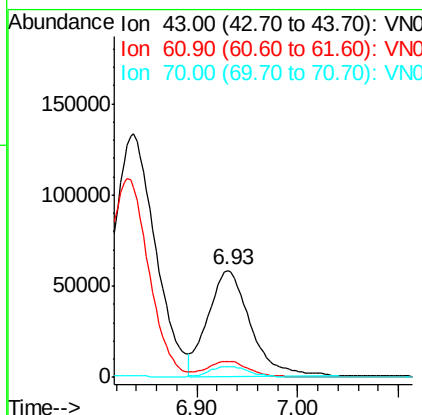
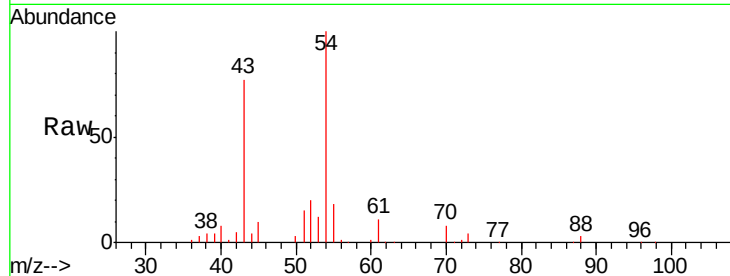
#37
Ethyl Acetate
Concen: 20.454 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion: 43 Resp: 169965
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.8
70 10.2 7.8 11.8

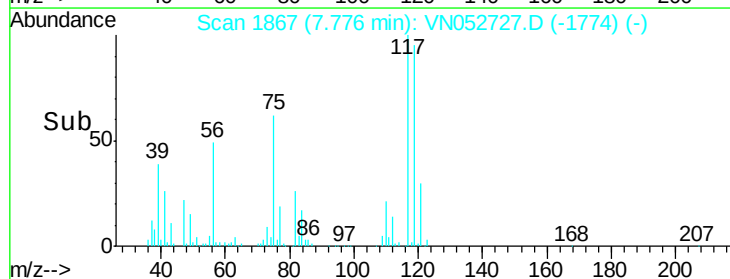
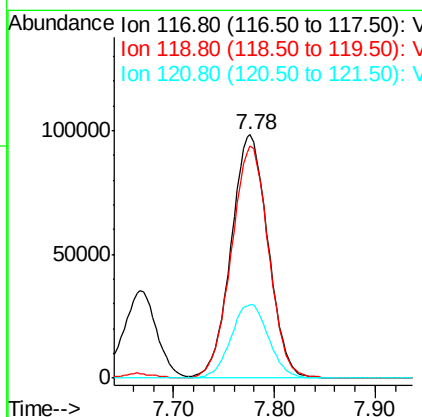
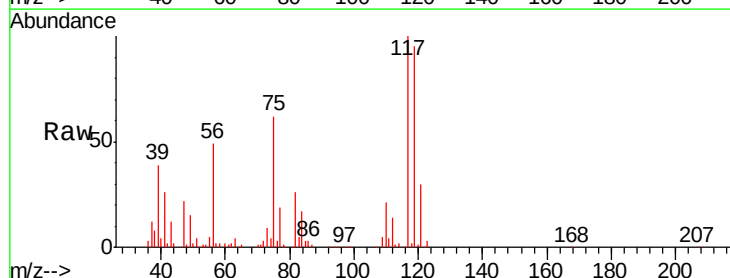
Manual Integrations
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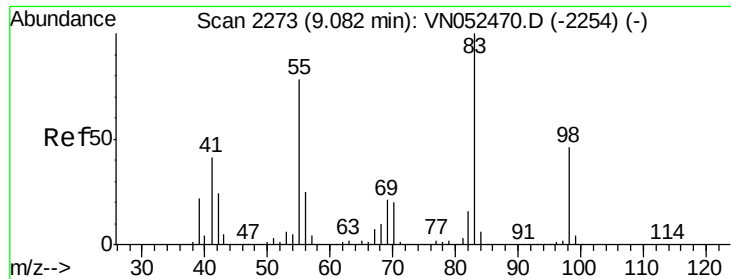
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#38
Carbon Tetrachloride
Concen: 20.286 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion: 117 Resp: 250042
Ion Ratio Lower Upper
117 100
119 95.2 76.8 115.2
121 30.3 24.9 37.3





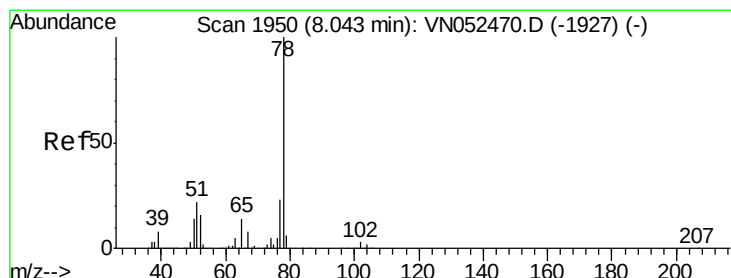
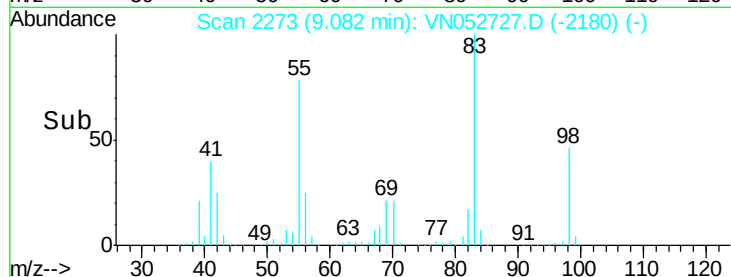
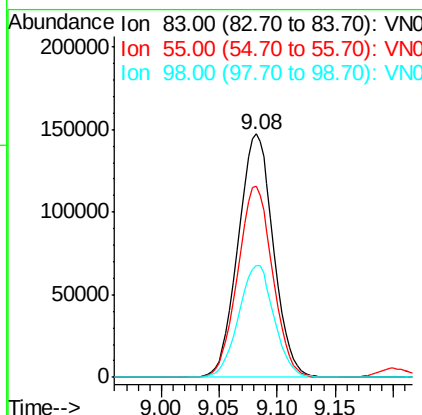
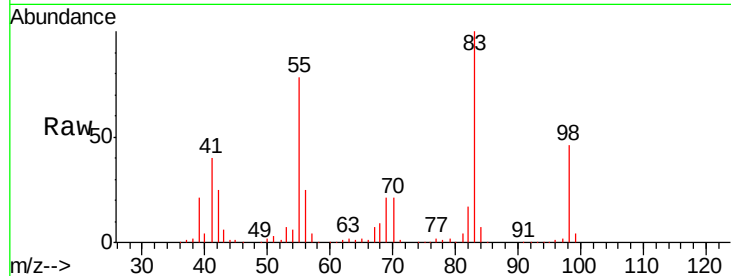
#39
Methylcyclohexane
Concen: 18.820 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	78.3	62.2	93.2
98	46.0	36.4	54.6

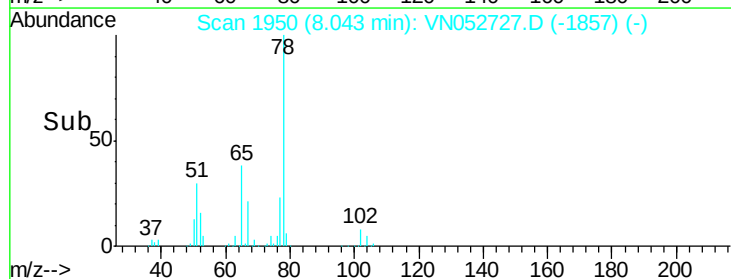
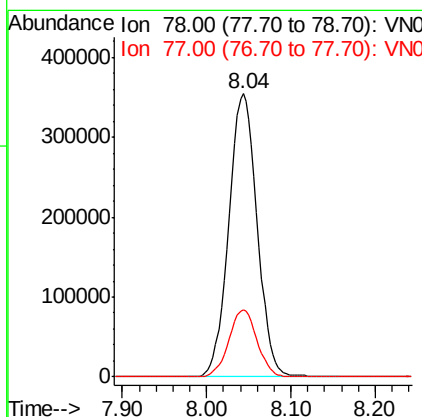
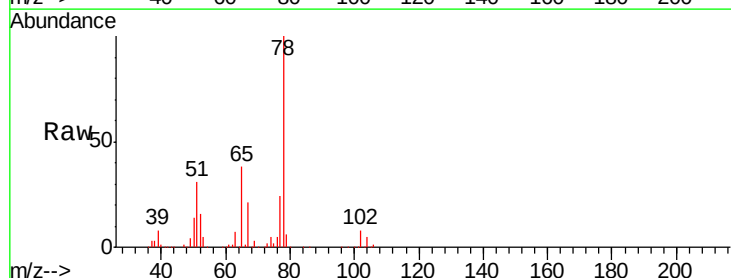
Manual Integrations
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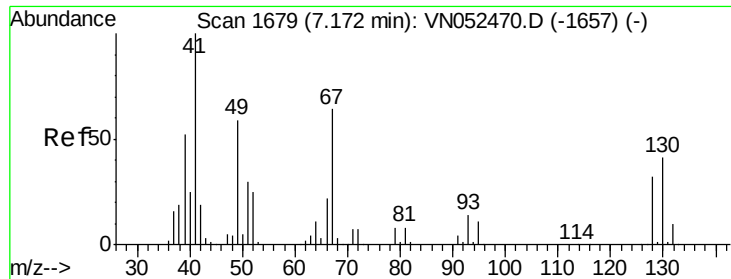
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#40
Benzene
Concen: 20.400 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.5	18.8	28.2





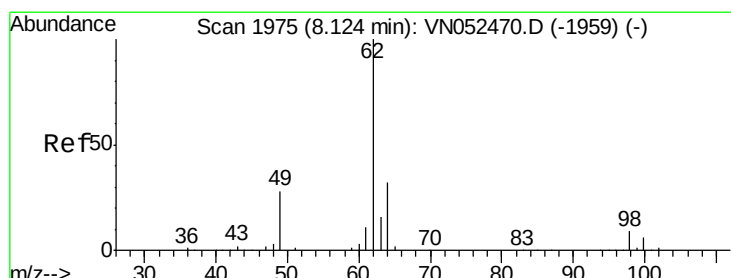
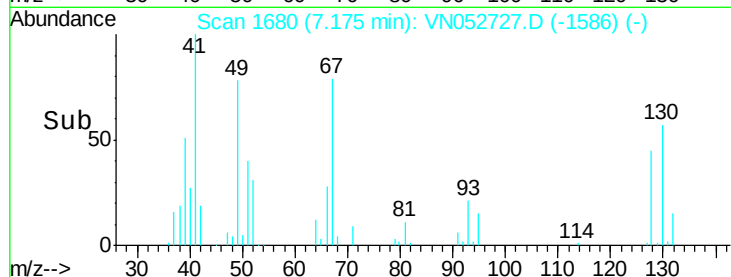
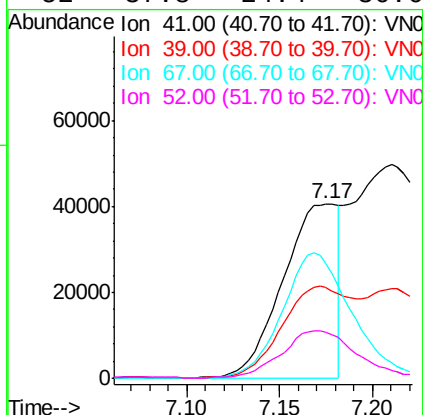
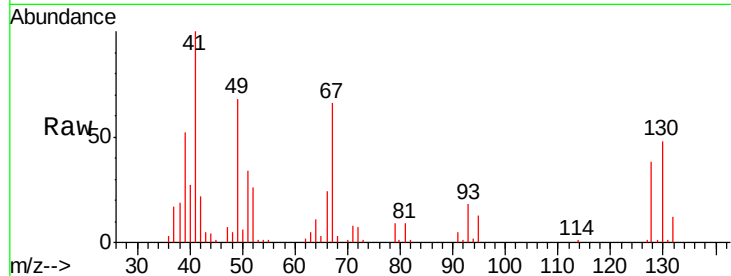
#41
Methacrylonitrile
Concen: 18.498 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.7	50.9	76.3
67	91.6	63.6	95.4
52	37.8	24.4	36.6#

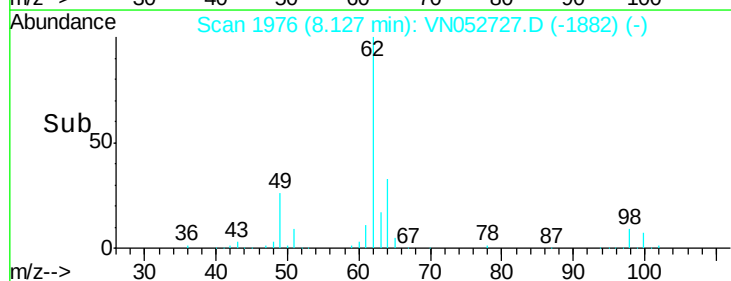
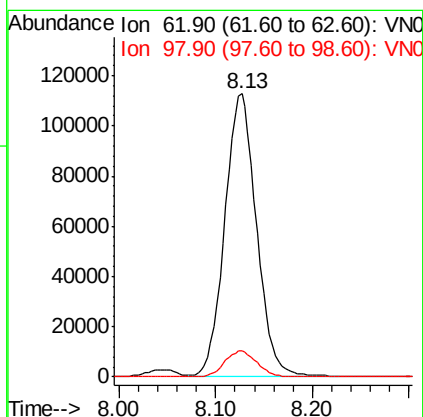
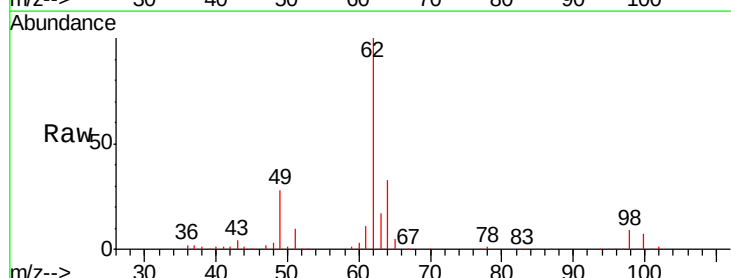
Manual Integrations
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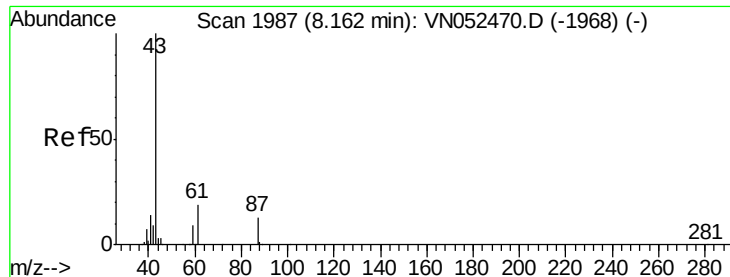
MMDadoda
12/10/2018 12:50:56 PM



#42
1,2-Dichloroethane
Concen: 20.817 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 22.167 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

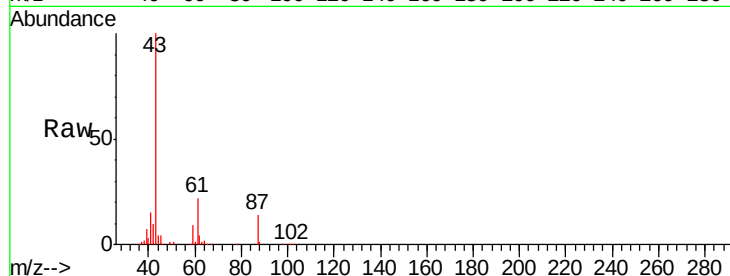
ClientSampleId :

VN1207WBSD02

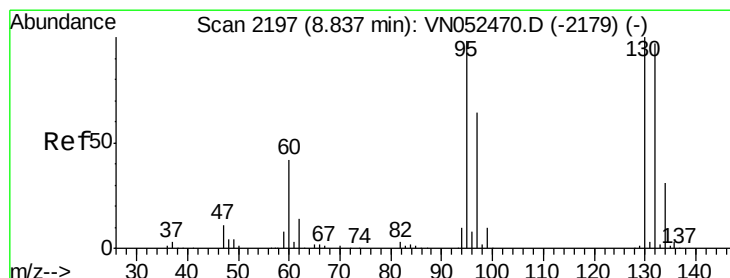
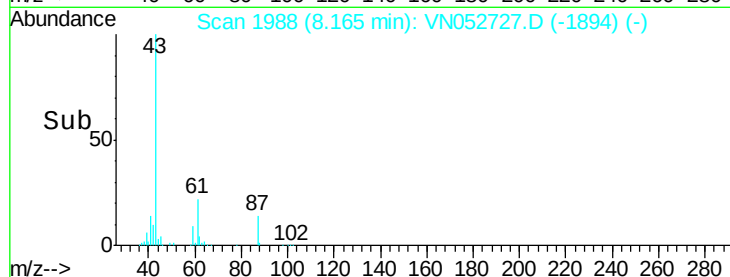
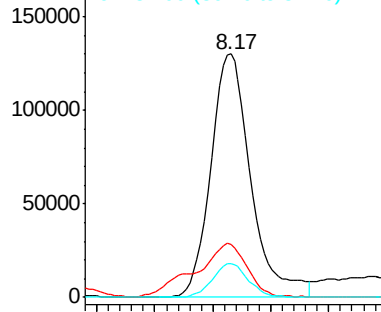
Tgt Ion:	43	Resp:	311713
Ion Ratio		Lower	Upper
43	100		
61	28.1	24.1	36.1
87	12.5	10.6	15.8

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Abundance Ion 43.00 (42.70 to 43.70): VN052727.D (-1968) (-)



#44

Trichloroethene

Concen: 20.146 ug/l

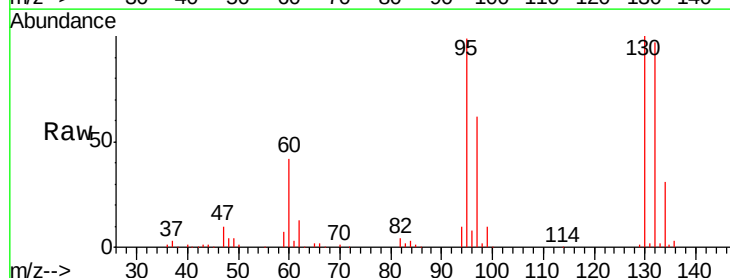
RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

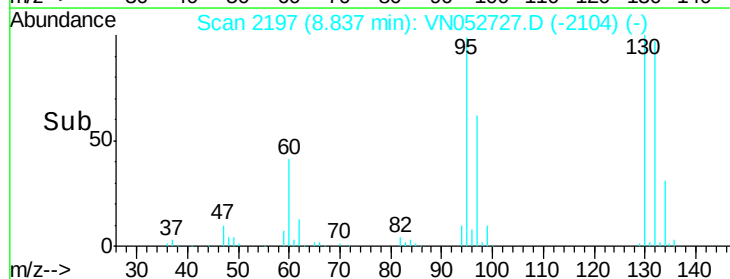
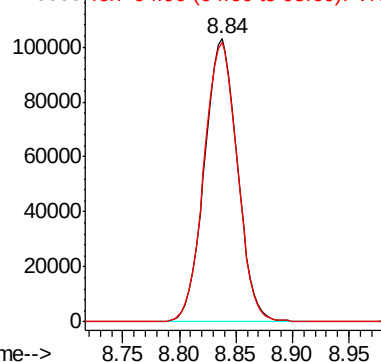
Lab File: VN052727.D

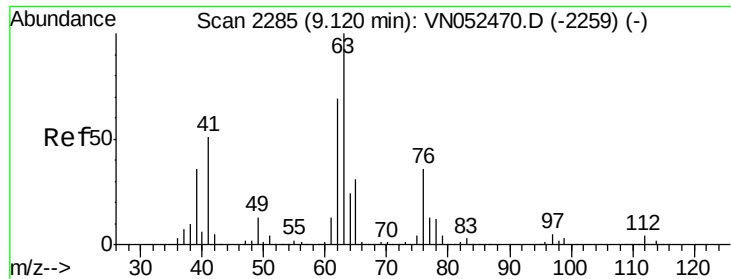
Acq: 7 Dec 2018 15:25

Tgt Ion:	130	Resp:	209400
Ion Ratio		Lower	Upper
130	100		
95	98.8	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052727.D (-2179) (-)





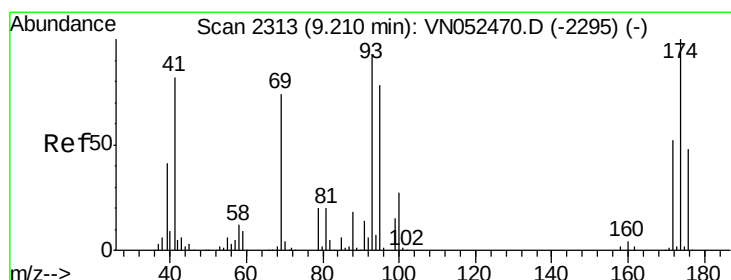
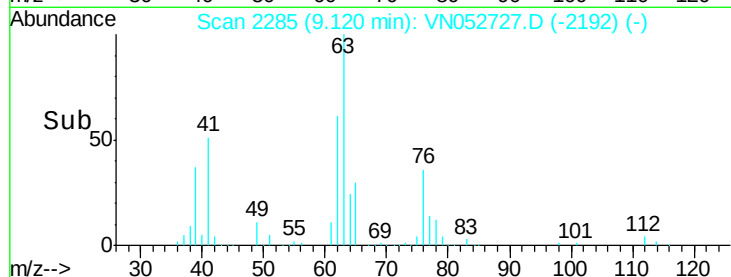
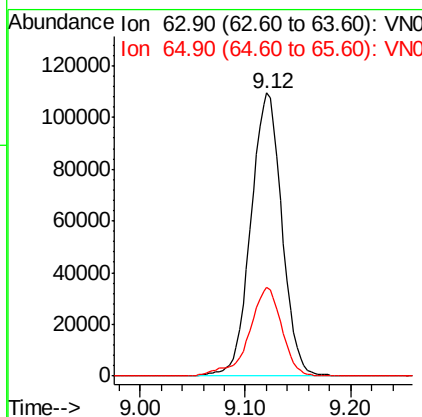
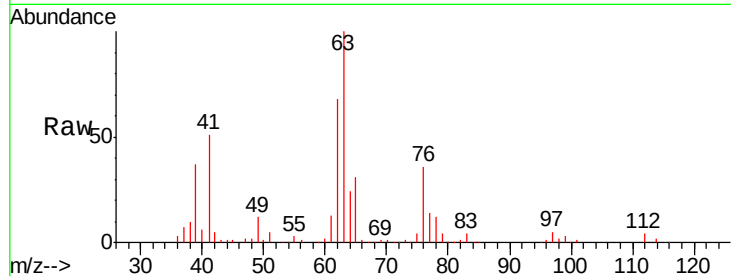
#45
 1,2-Dichloropropane
 Concen: 20.869 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Tgt Ion: 63 Resp: 225132
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

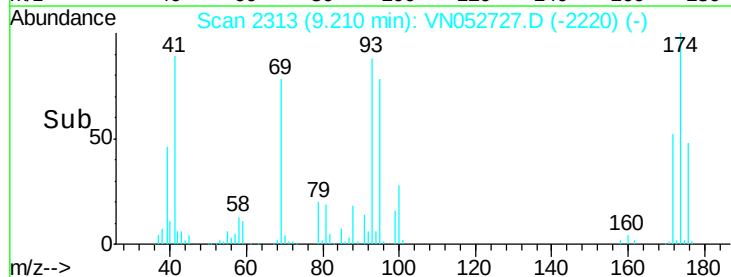
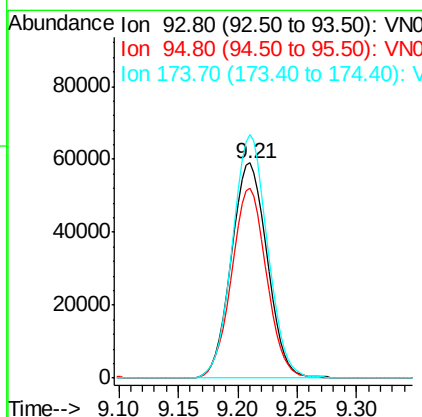
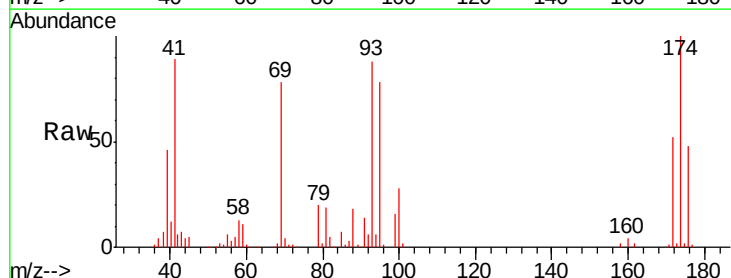
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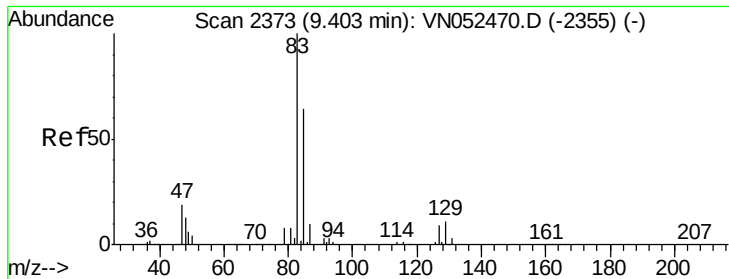
MMDadoda
 12/10/2018 12:50:56 PM



#46
 Dibromomethane
 Concen: 20.771 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion: 93 Resp: 124047
 Ion Ratio Lower Upper
 93 100
 95 85.8 67.1 100.7
 174 110.5 85.8 128.8





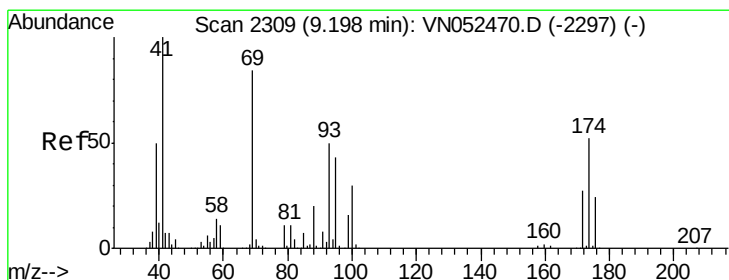
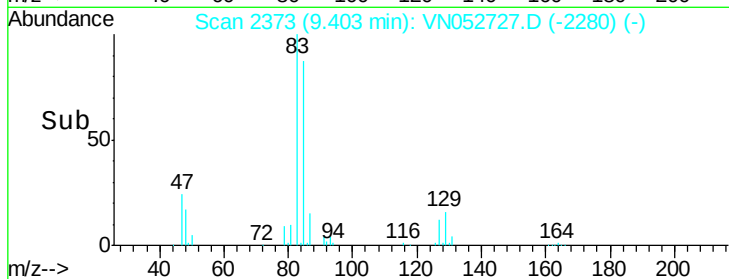
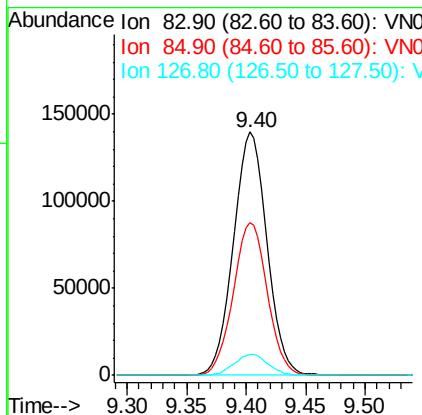
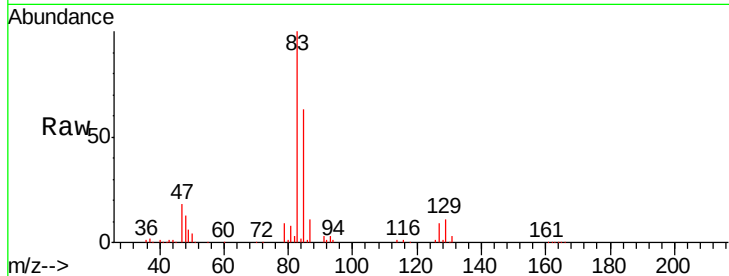
#47
Bromodichloromethane
Concen: 21.065 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.3	76.9
127	8.7	6.9	10.3

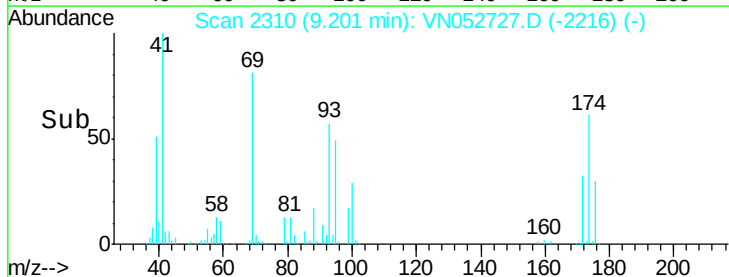
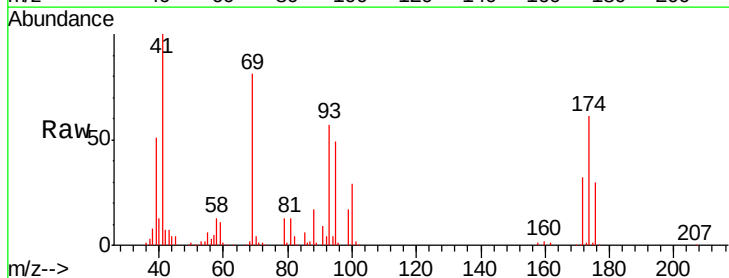
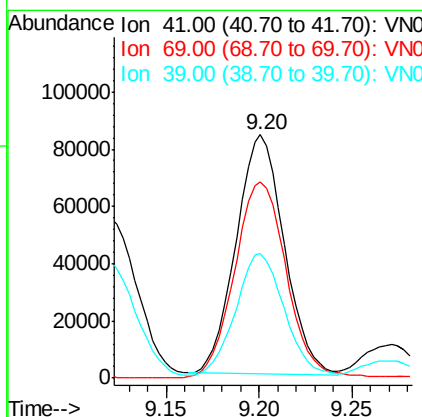
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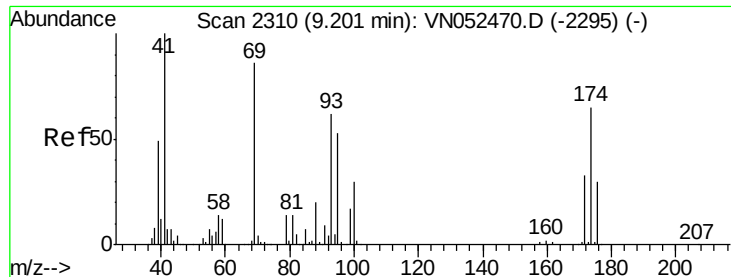
MMDadoda
12/10/2018 12:50:56 PM



#48
Methyl methacrylate
Concen: 20.707 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.4	70.0	105.0
39	53.3	42.6	64.0





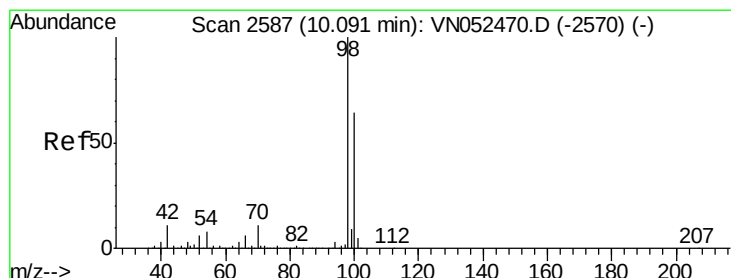
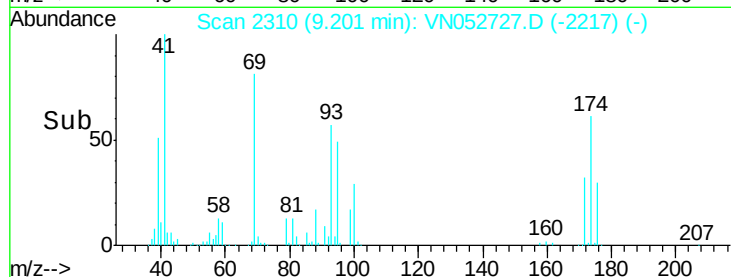
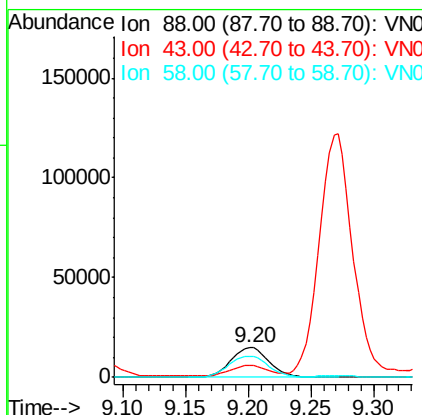
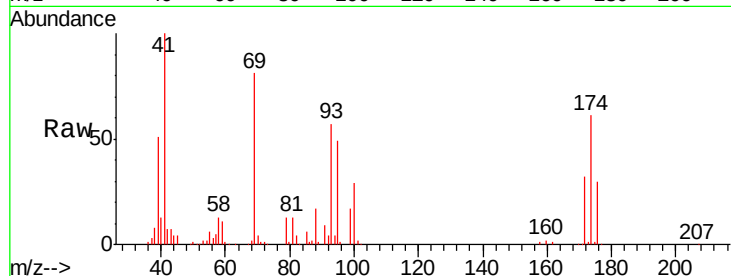
#49
1,4-Dioxane
Concen: 422.016 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.6	26.4	39.6
58	73.6	55.4	83.0

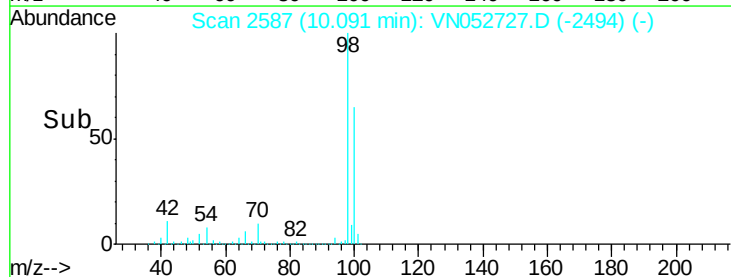
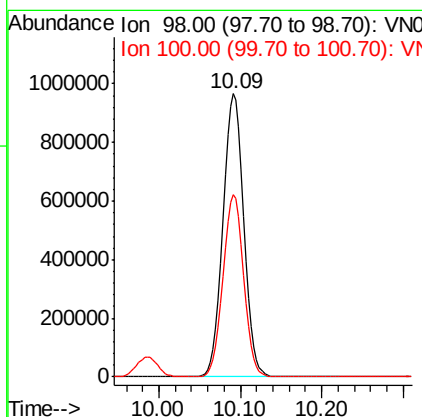
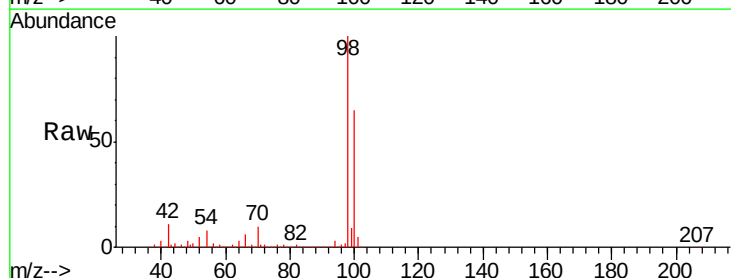
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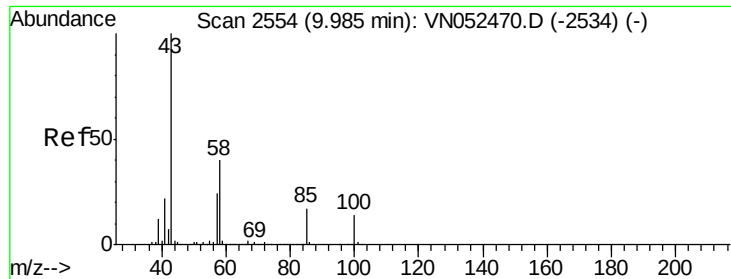
MMDadoda
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#50
Toluene-d8
Concen: 422.016 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9





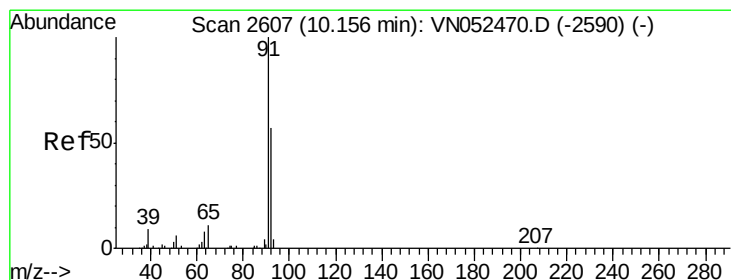
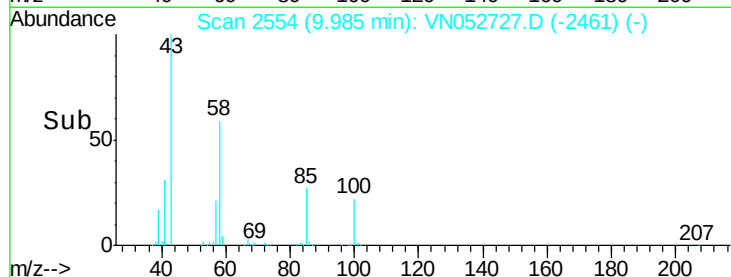
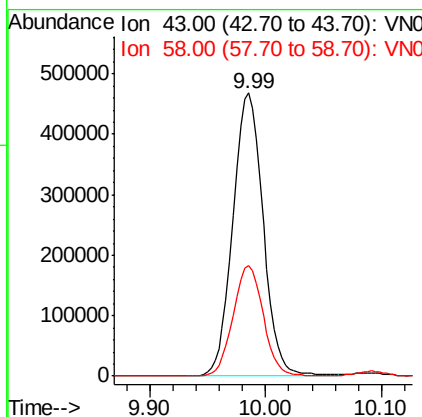
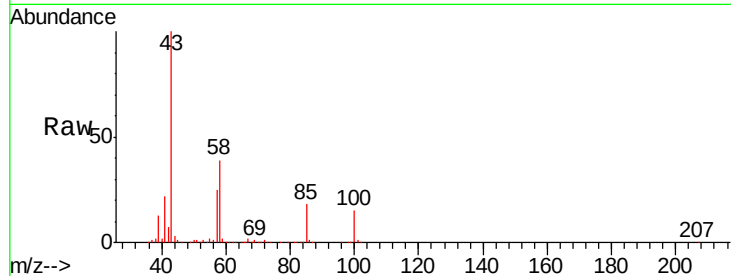
#51
4-Methyl-2-Pentanone
Concen: 106.759 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion: 43 Resp: 842323
Ion Ratio Lower Upper
43 100
58 39.1 31.5 47.3

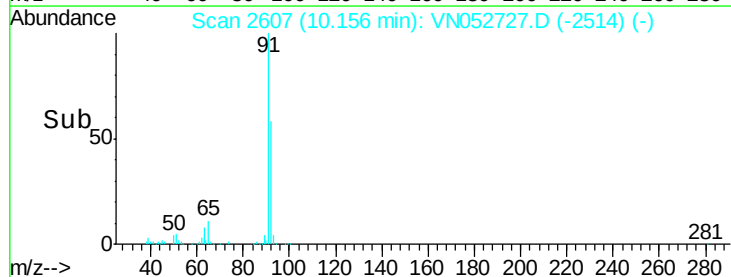
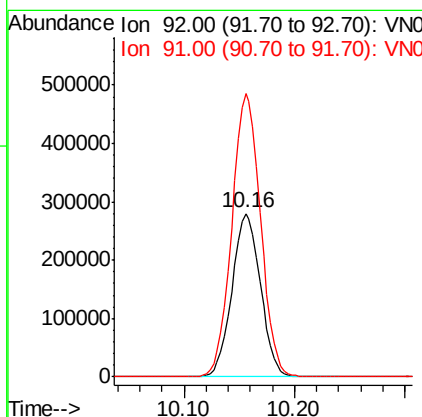
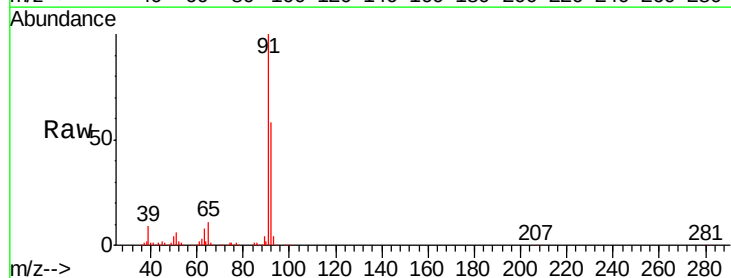
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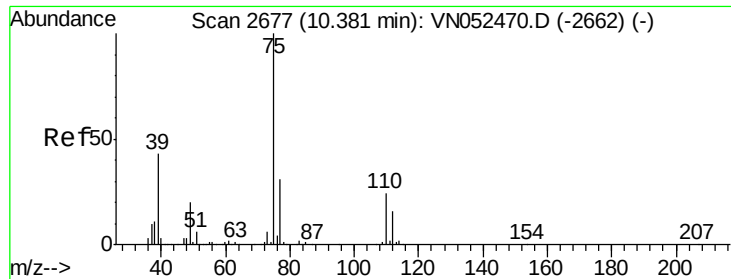
MMDadoda
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#52
Toluene
Concen: 20.791 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion: 92 Resp: 501254
Ion Ratio Lower Upper
92 100
91 174.4 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 20.814 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 75 Resp: 259995

Ion Ratio Lower Upper

75 100

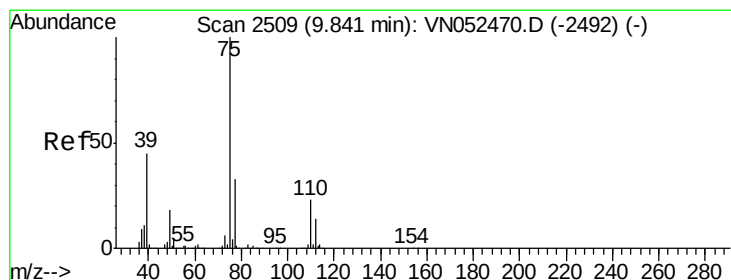
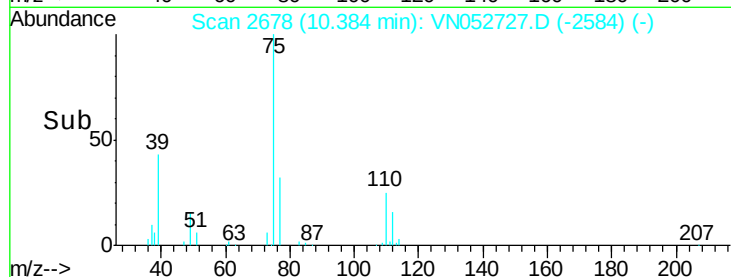
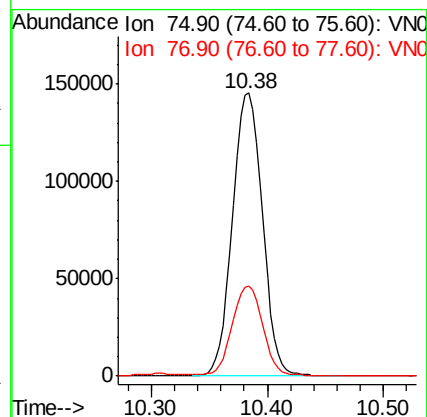
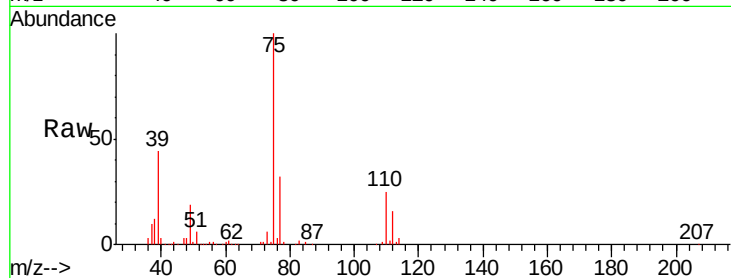
77 31.8 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.876 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

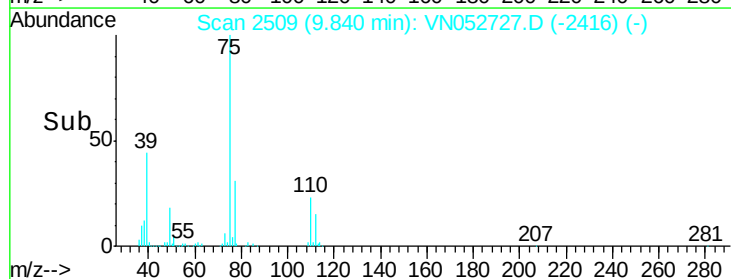
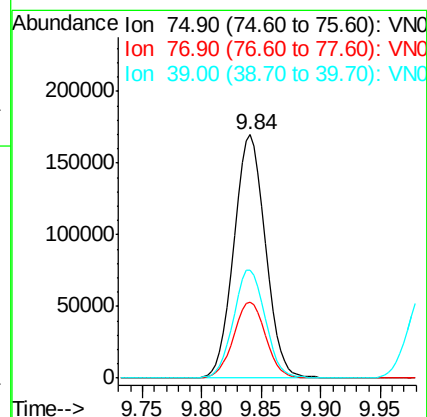
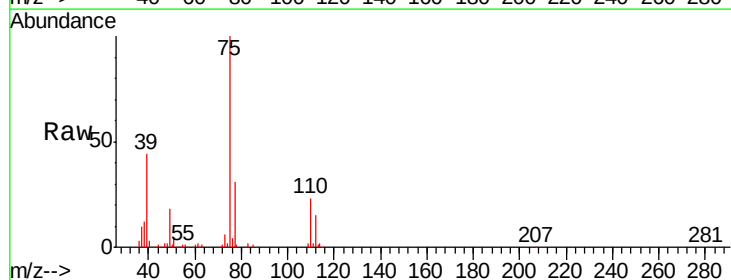
Tgt Ion: 75 Resp: 312497

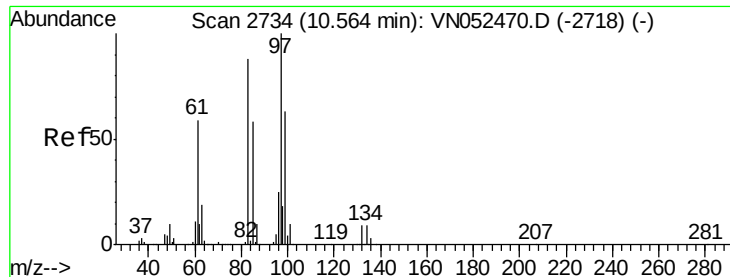
Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

39 44.3 36.0 54.0





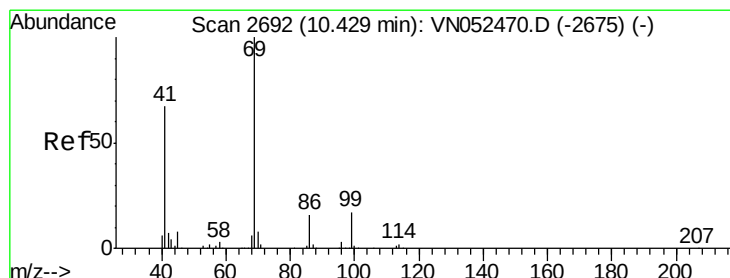
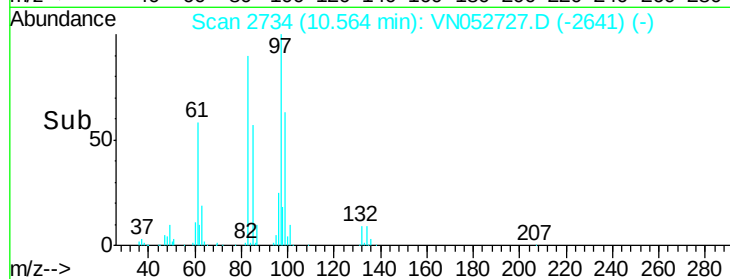
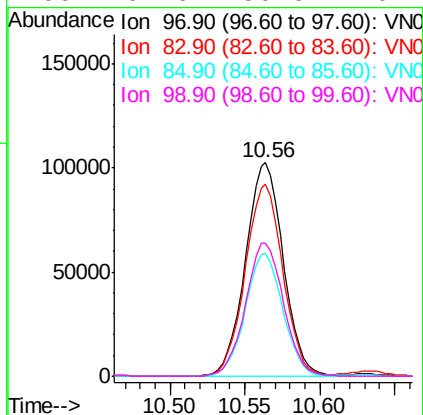
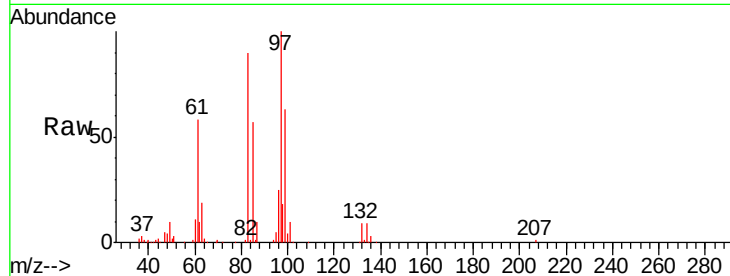
#55
 1,1,2-Trichloroethane
 Concen: 21.301 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.7	106.1
85	57.3	46.1	69.1
99	62.6	50.8	76.2

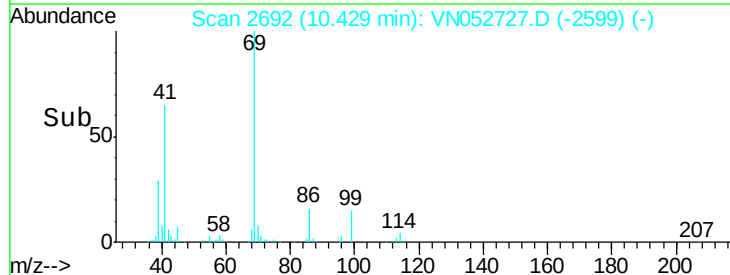
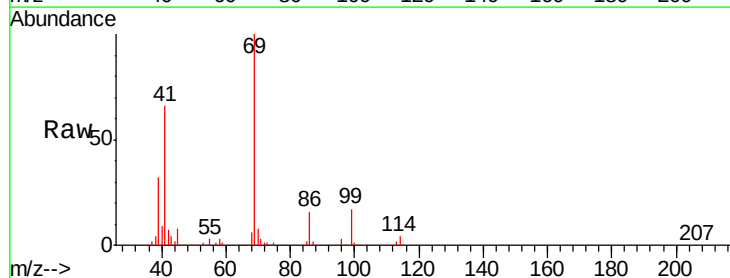
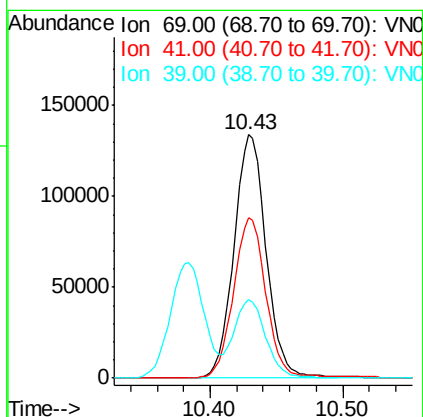
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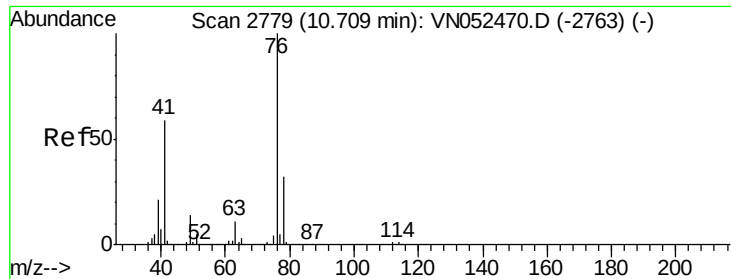
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#56
 Ethyl methacrylate
 Concen: 20.803 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.6	79.0
39	32.7	25.9	38.9





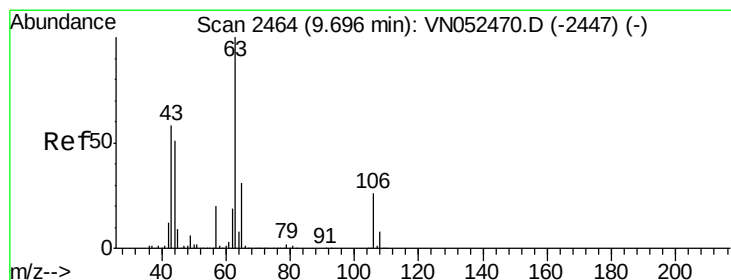
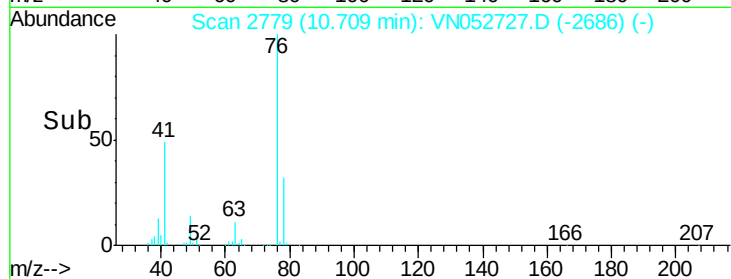
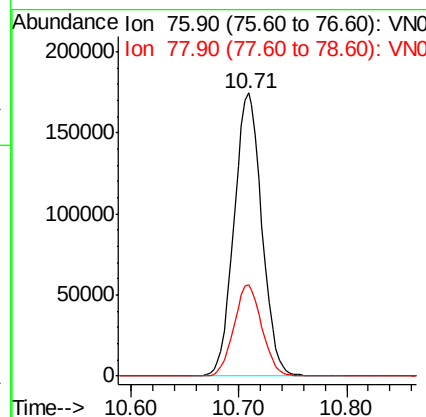
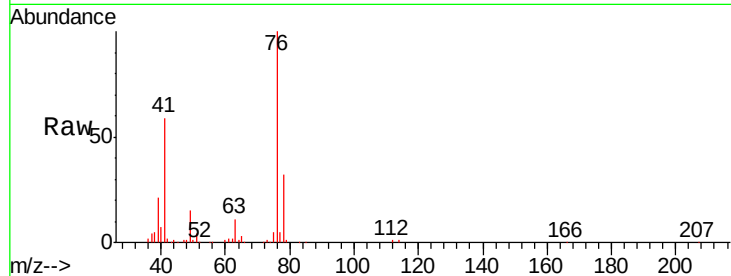
#57
 1,3-Dichloropropane
 Concen: 20.865 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Tgt Ion: 76 Resp: 312426
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

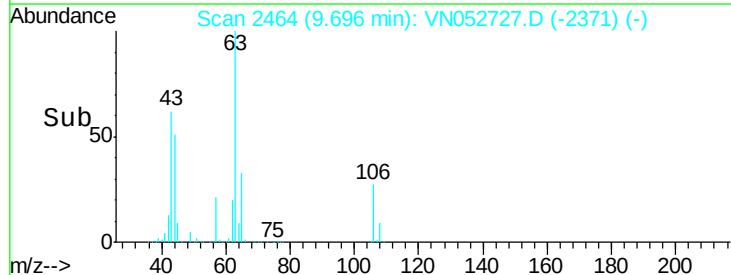
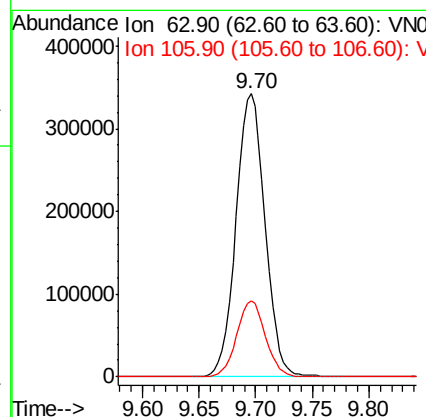
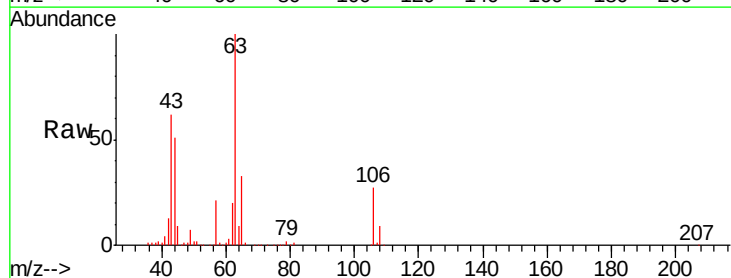
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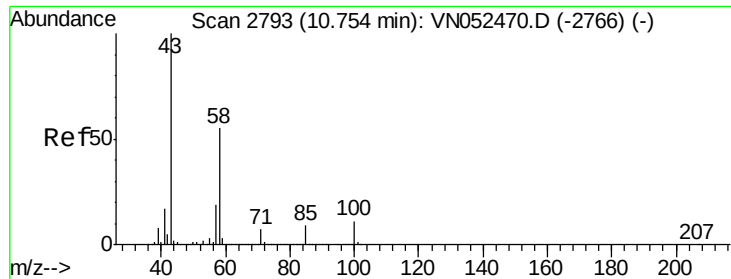
MMDadoda
 12/10/2018 12:50:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.308 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion: 63 Resp: 611101
 Ion Ratio Lower Upper
 63 100
 106 26.6 20.6 30.8





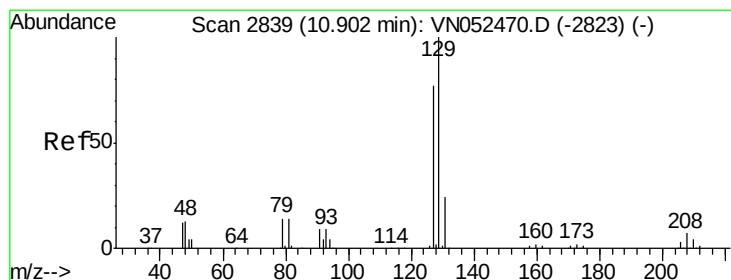
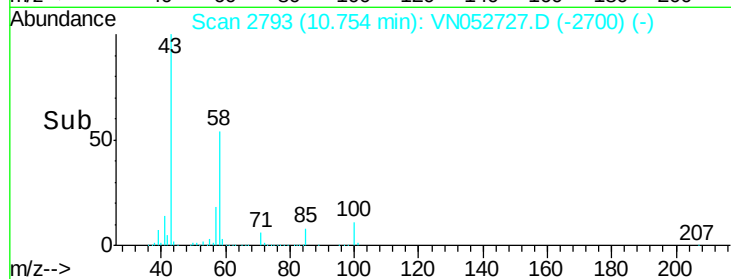
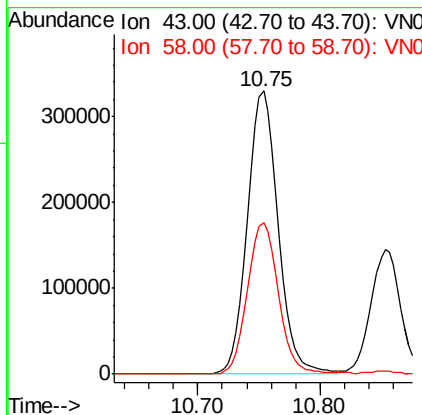
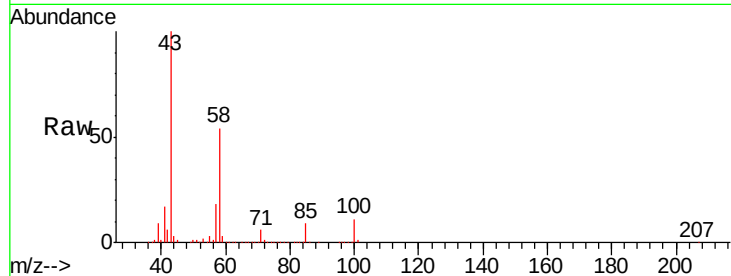
#59
2-Hexanone
Concen: 107.441 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion: 43 Resp: 568941
Ion Ratio Lower Upper
43 100
58 54.4 27.4 82.0

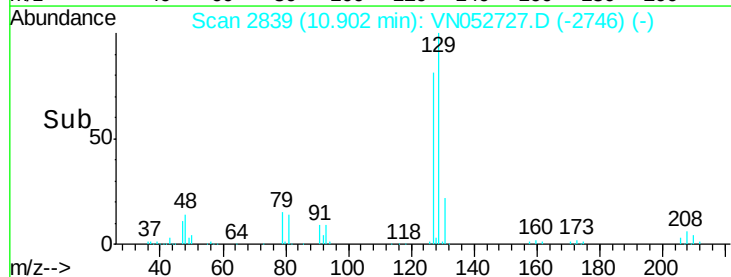
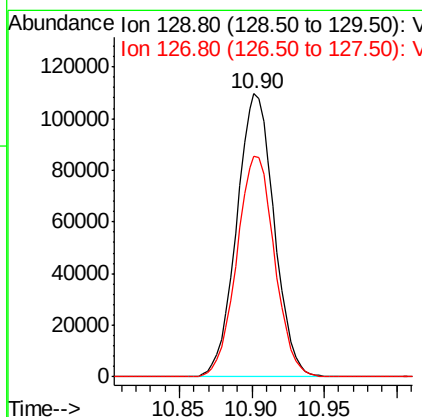
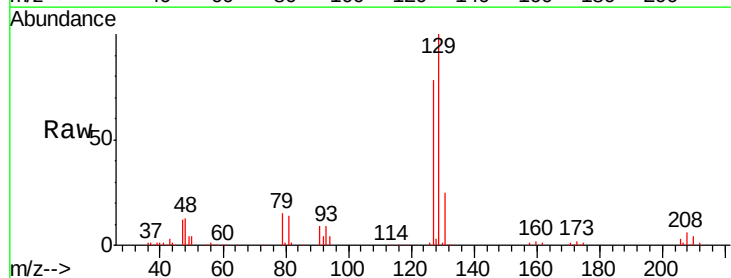
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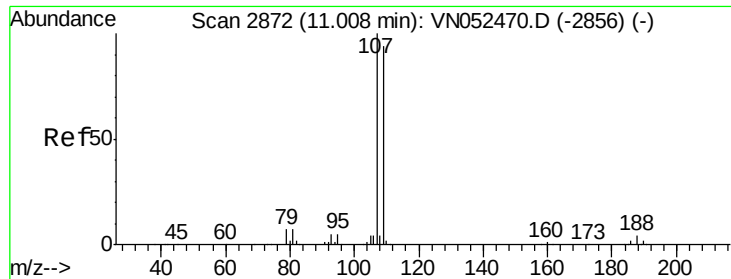
MMDadoda
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#60
Dibromochloromethane
Concen: 21.350 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion: 129 Resp: 196646
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.6





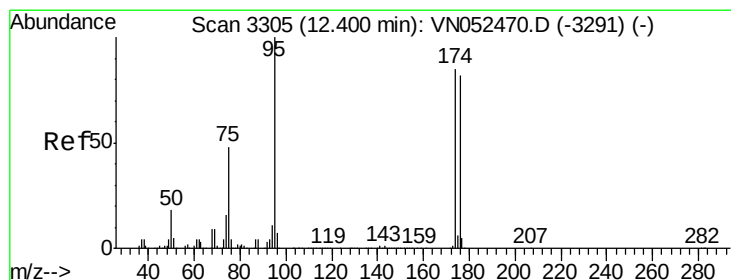
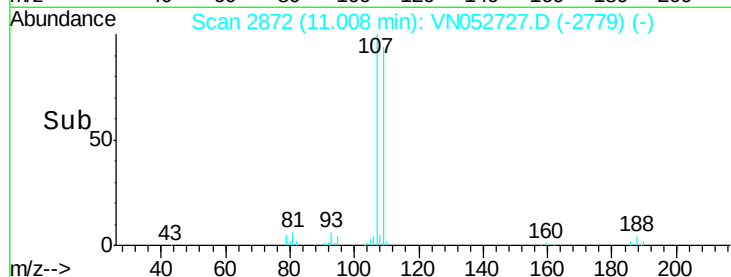
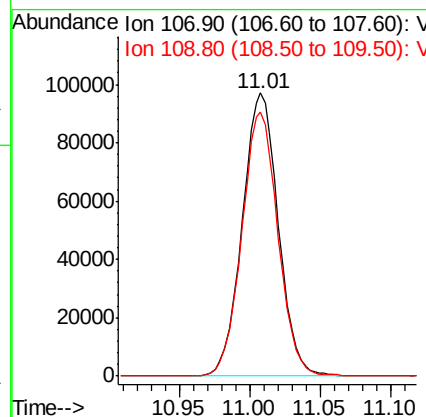
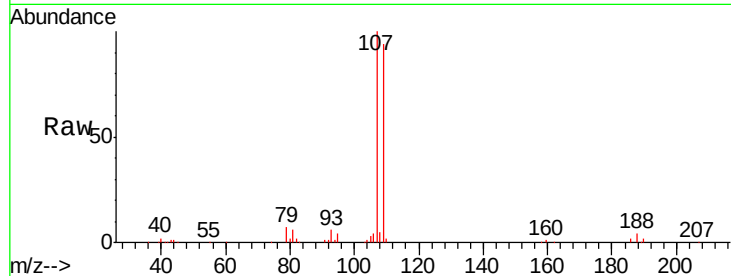
#61
 1,2-Dibromoethane
 Concen: 20.586 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Tgt Ion: 107 Resp: 173395
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.6 113.4

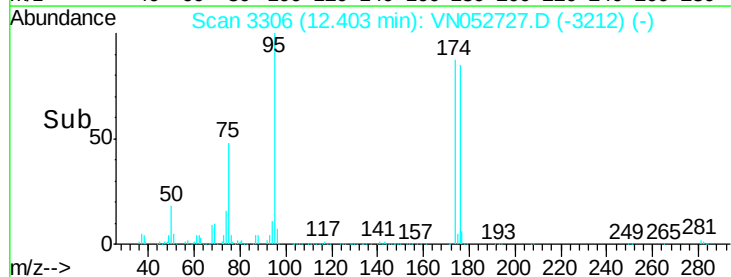
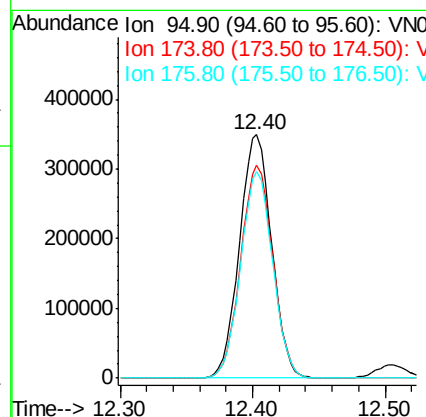
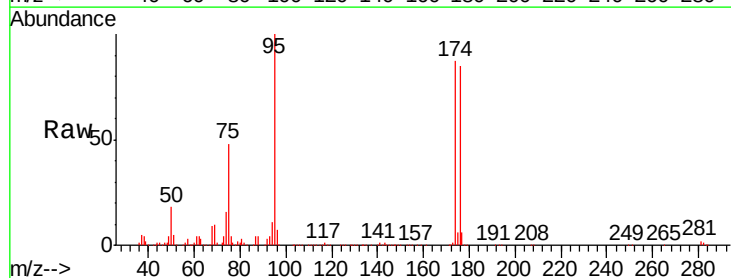
Manual Integrations
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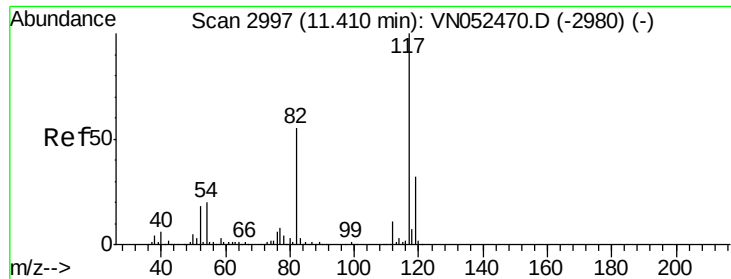
MMDadoda
 12/10/2018 12:50:56 PM



#62
 4-Bromofluorobenzene
 Concen: 20.586 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion: 95 Resp: 588531
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 173.0
 176 84.5 0.0 166.2





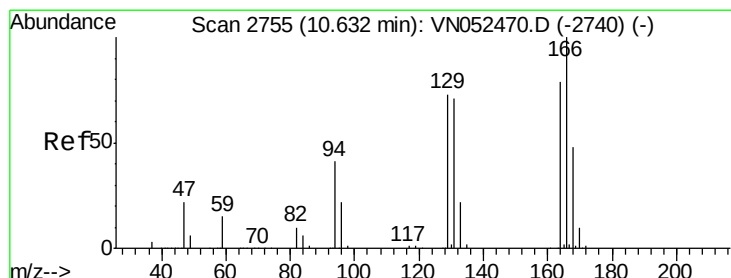
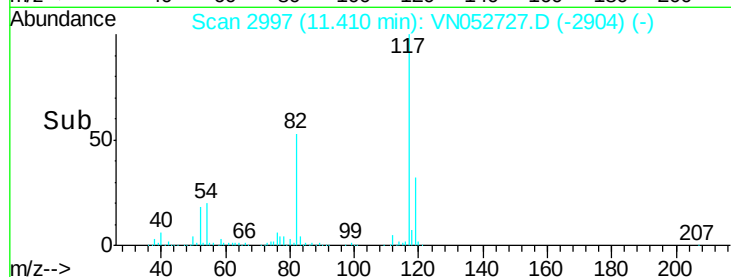
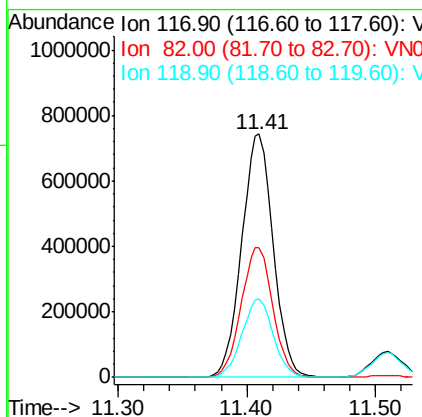
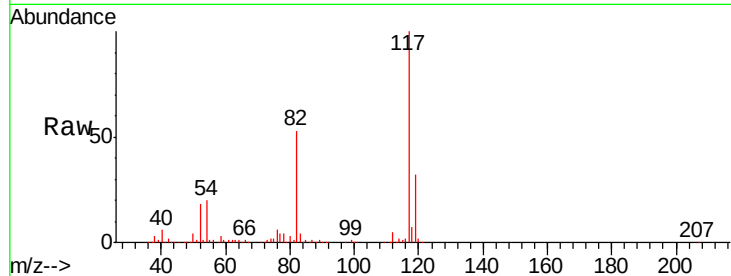
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion:117 Resp: 1262176
Ion Ratio Lower Upper
117 100
82 53.5 43.6 65.4
119 32.0 25.4 38.2

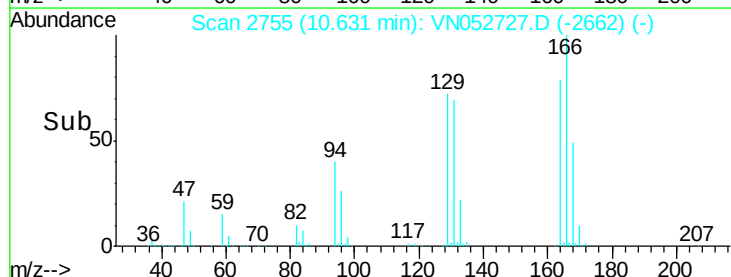
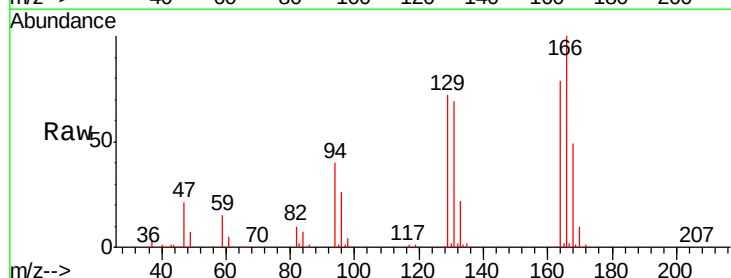
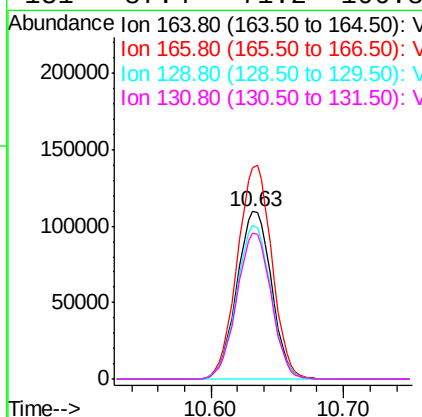
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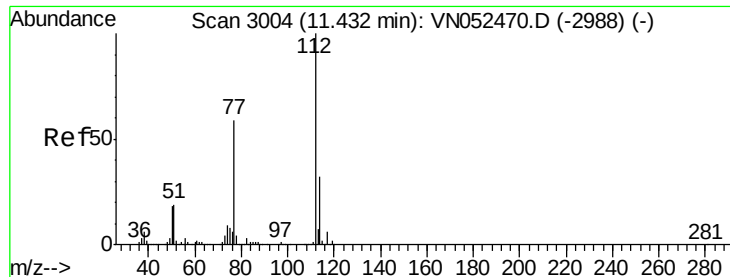
MMDadoda
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#64
Tetrachloroethene
Concen: 20.310 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion:164 Resp: 198752
Ion Ratio Lower Upper
164 100
166 126.4 101.0 151.4
129 91.3 73.8 110.6
131 87.4 71.2 106.8





#65

Chlorobenzene

Concen: 20.983 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion:112 Resp: 546113

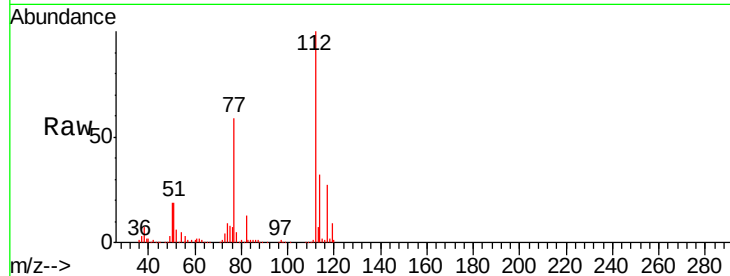
Ion Ratio Lower Upper

112 100

114 31.8 25.8 38.6

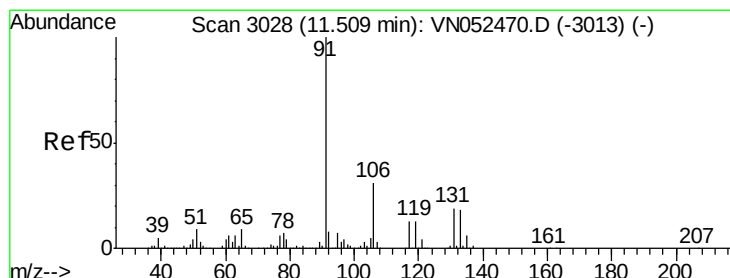
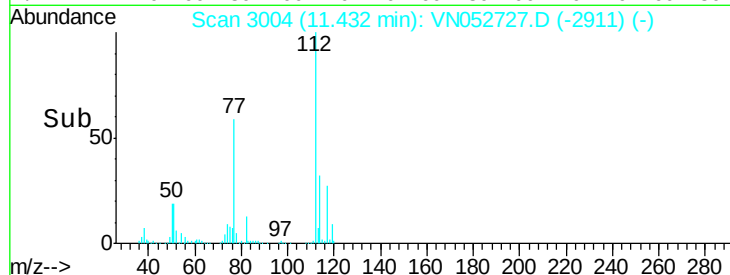
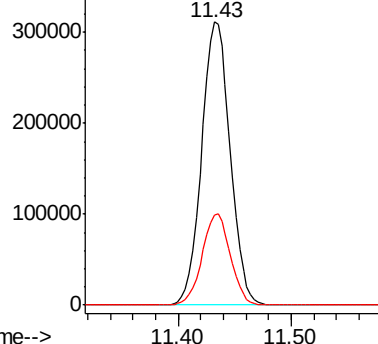
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.407 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

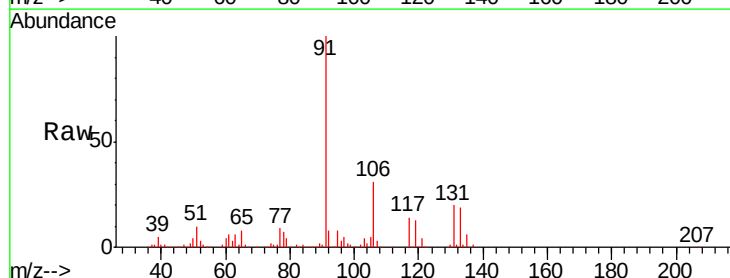
Tgt Ion:131 Resp: 193716

Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.8

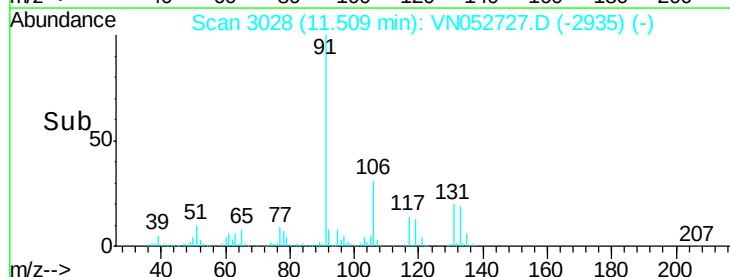
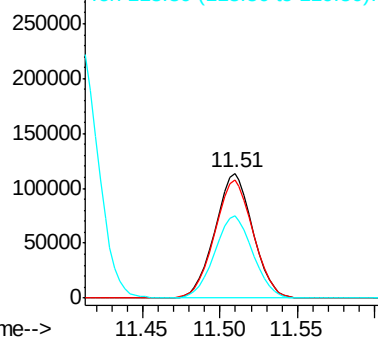
119 66.6 33.2 99.6

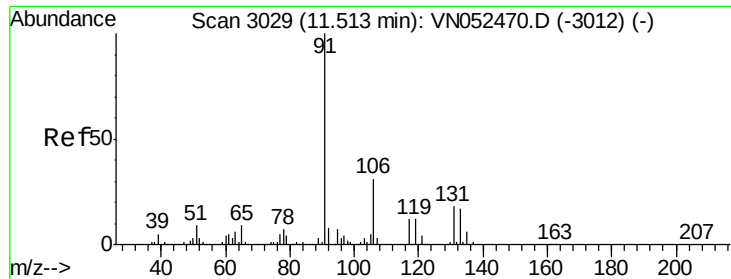


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





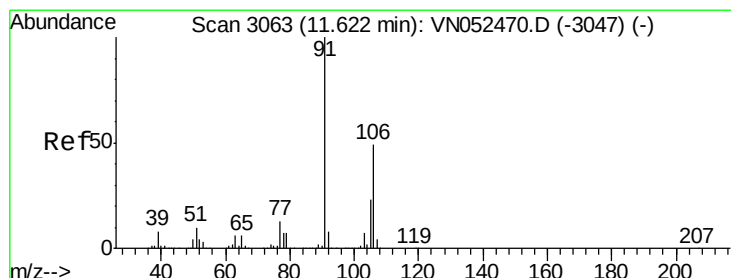
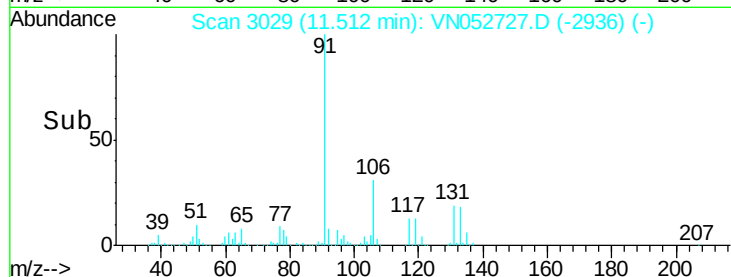
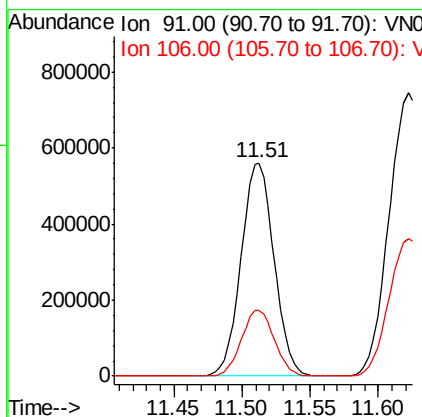
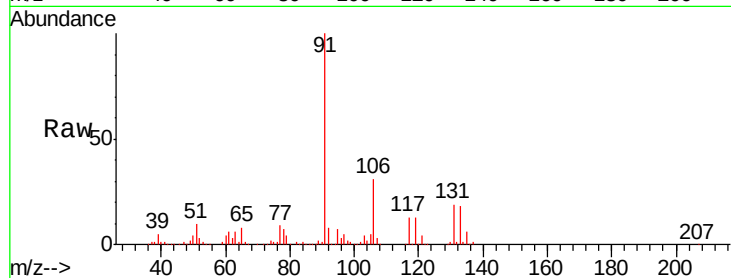
#67
Ethyl Benzene
Concen: 20.638 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion: 91 Resp: 940614
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3

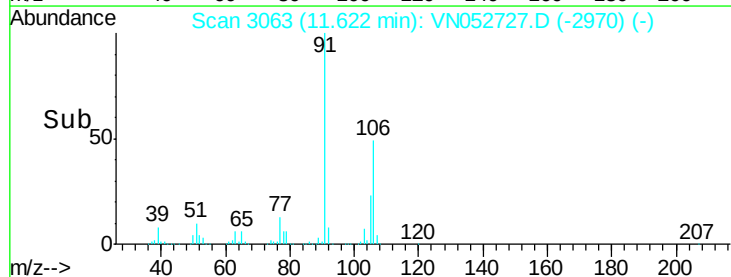
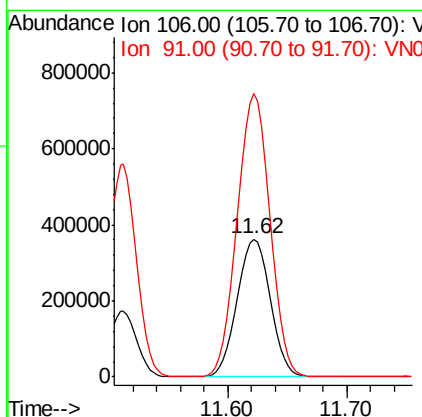
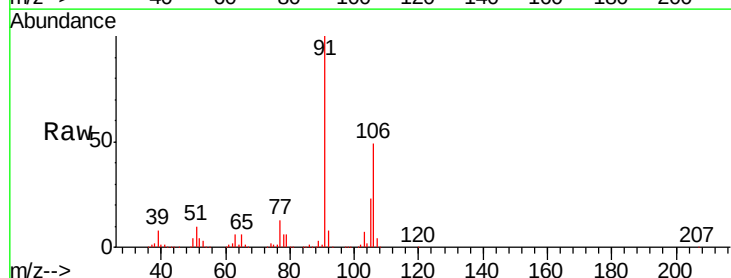
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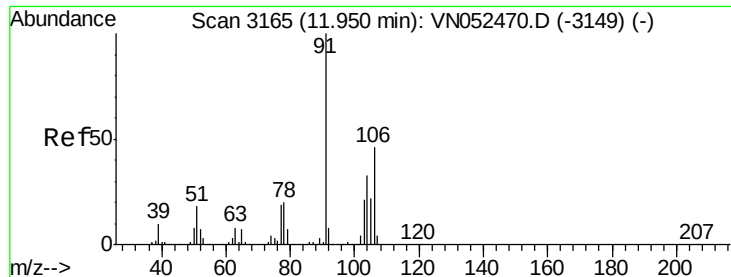
MMDadoda
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#68
m/p-Xylenes
Concen: 41.415 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion: 106 Resp: 702685
Ion Ratio Lower Upper
106 100
91 202.9 163.2 244.8





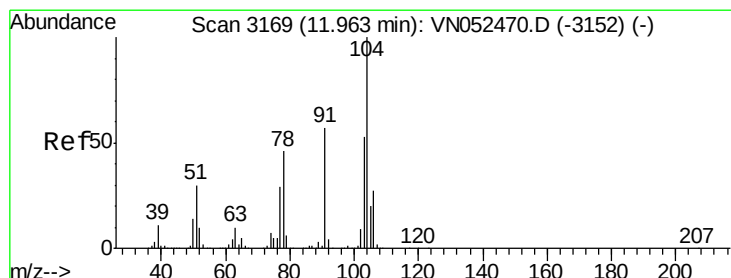
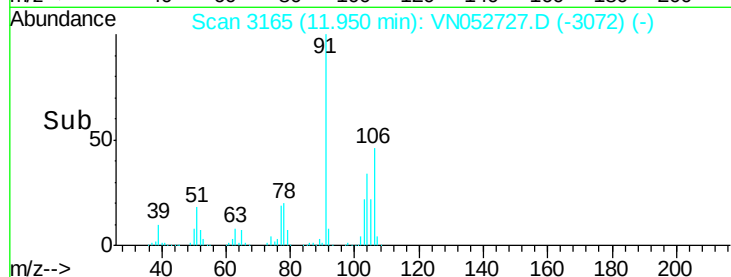
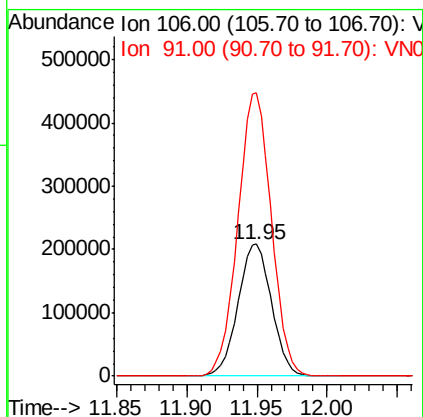
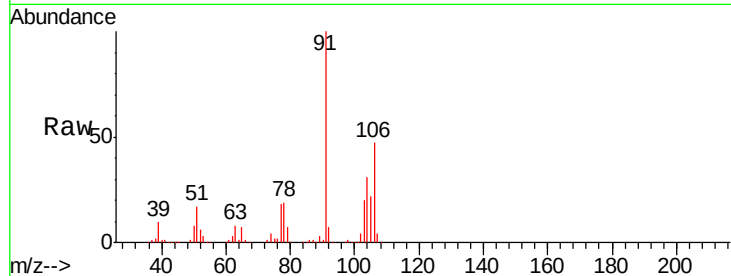
#69
o-Xylene
Concen: 21.122 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion:106 Resp: 348006
Ion Ratio Lower Upper
106 100
91 213.9 107.7 323.1

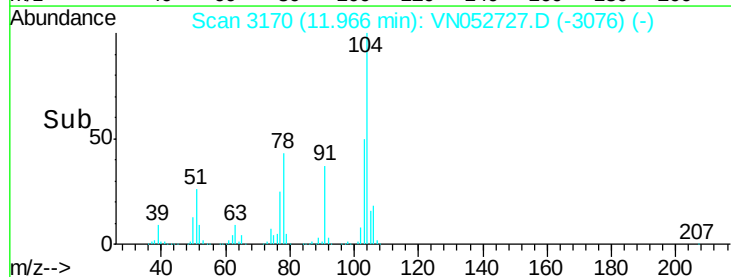
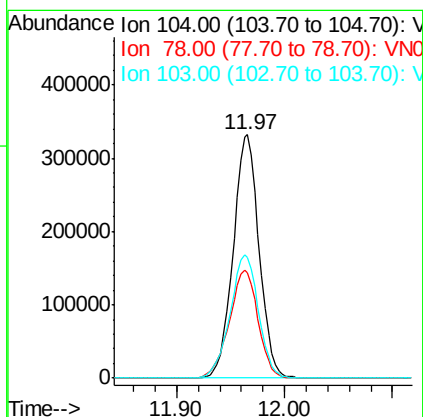
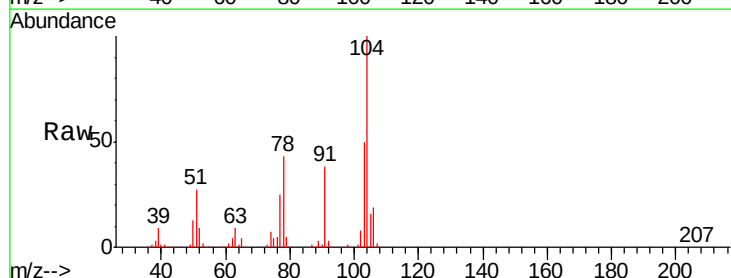
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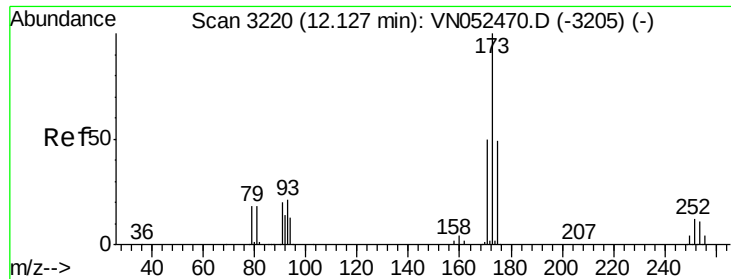
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#70
Styrene
Concen: 21.160 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion:104 Resp: 555286
Ion Ratio Lower Upper
104 100
78 49.3 39.4 59.2
103 55.8 44.9 67.3





#71

Bromoform

Concen: 21.565 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

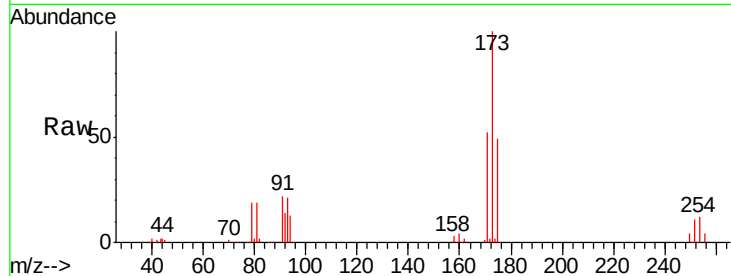
ClientSampleId :

VN1207WBSD02

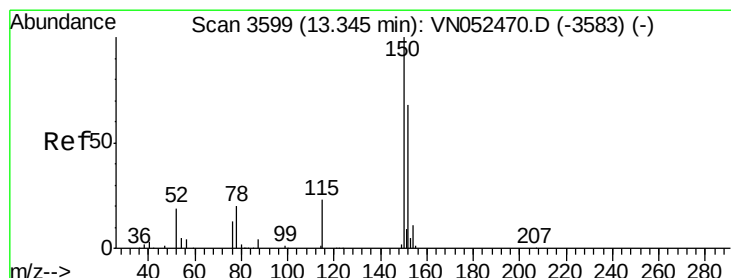
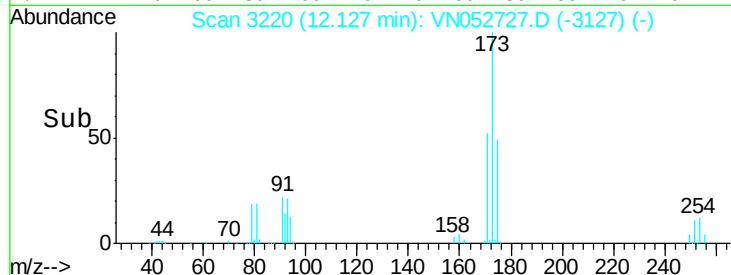
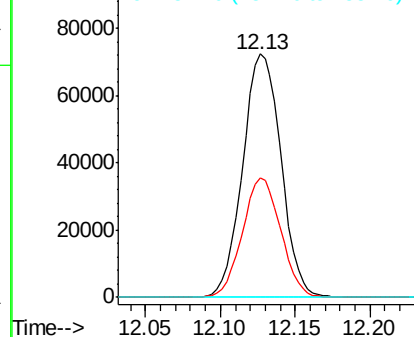
Tgt Ion:	173	Resp:	129210
Ion Ratio		Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

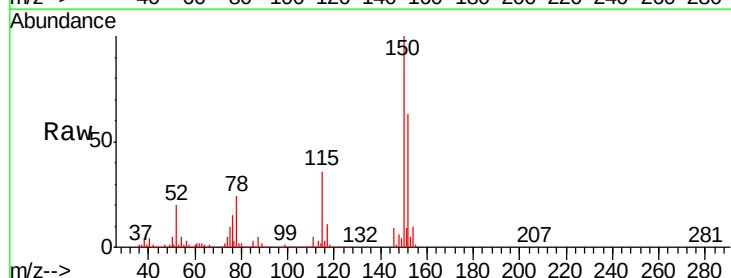
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

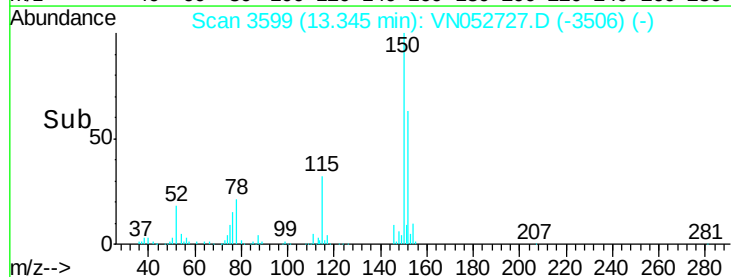
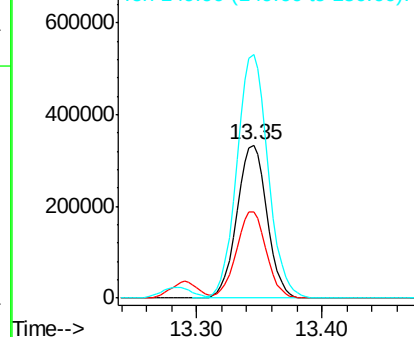
Lab File: VN052727.D

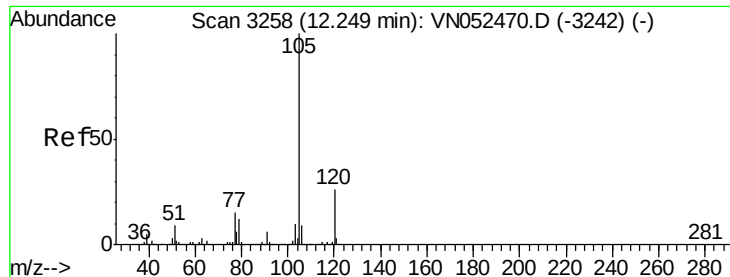
Acq: 7 Dec 2018 15:25

Tgt Ion:	152	Resp:	553678
Ion Ratio		Lower	Upper
152	100		
115	56.0	28.4	85.2
150	165.6	0.0	346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.350 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 105 Resp: 927419

Ion Ratio Lower Upper

105 100

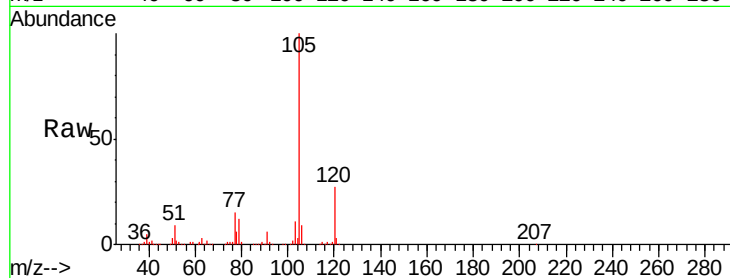
120 26.7 13.1 39.3

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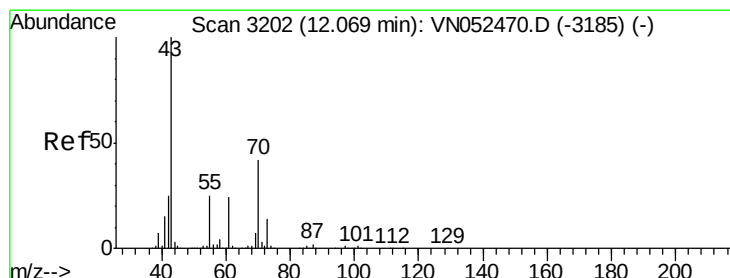
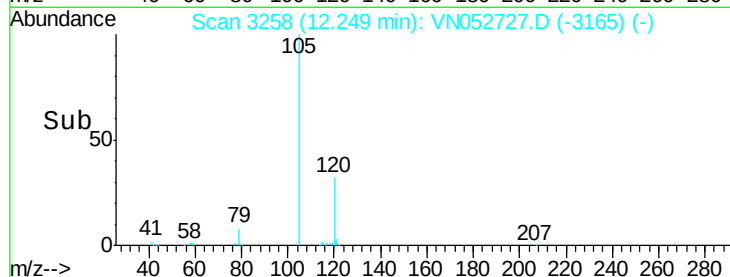
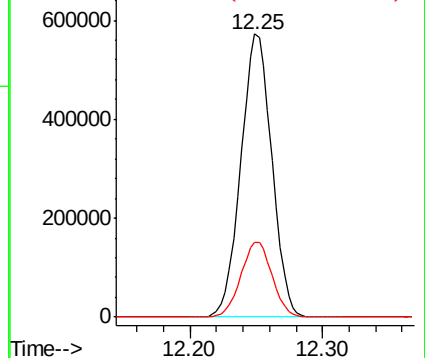
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.924 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Tgt Ion: 43 Resp: 229634

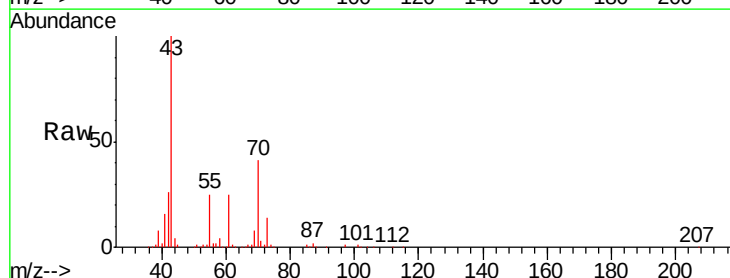
Ion Ratio Lower Upper

43 100

70 42.0 33.8 50.8

55 26.2 20.0 30.0

61 24.7 19.7 29.5

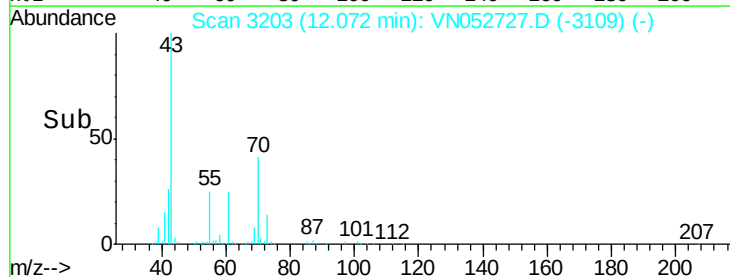
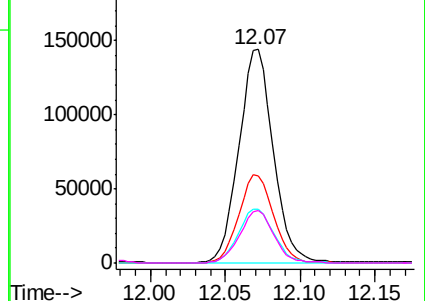


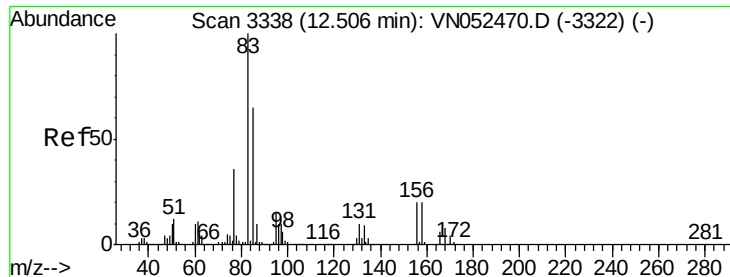
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.186 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 83 Resp: 219237
Ion Ratio Lower Upper

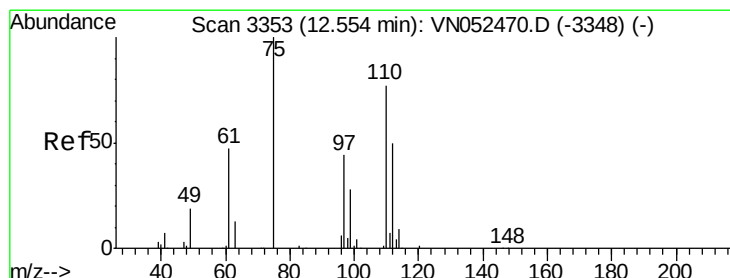
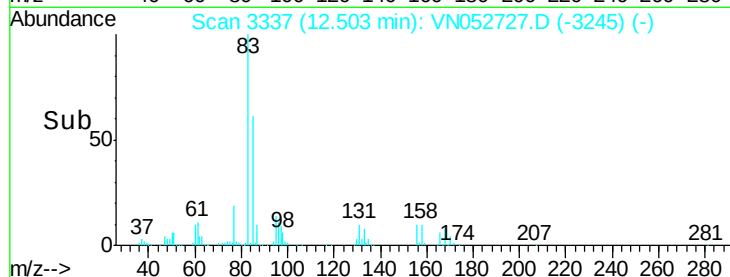
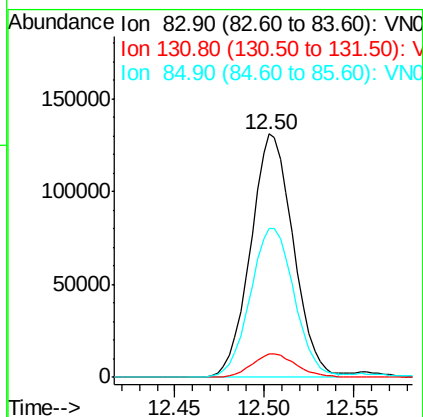
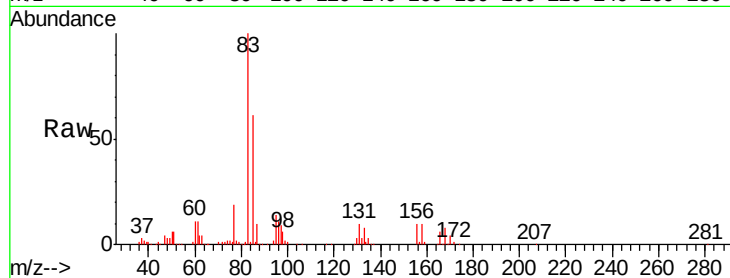
83 100

131 9.9 5.0 15.0

85 63.4 31.9 95.9

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#76

1,2,3-Trichloropropane

Concen: 20.054 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

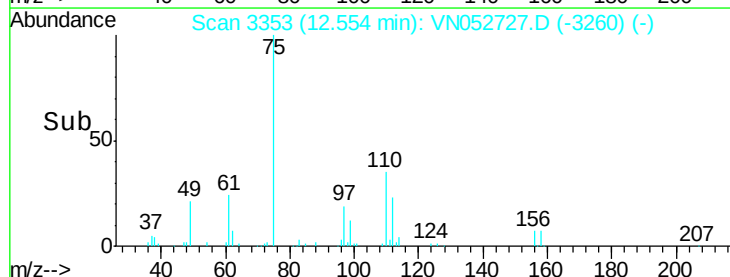
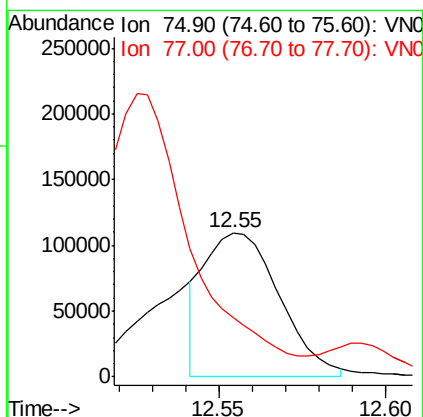
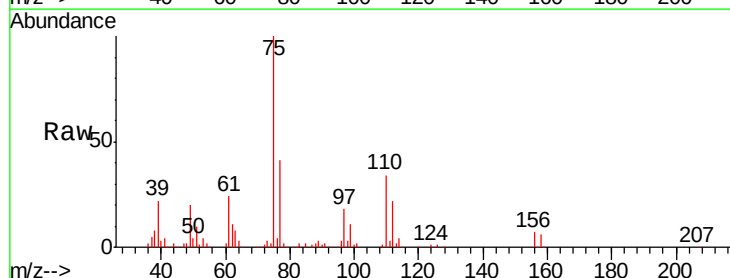
Lab File: VN052727.D

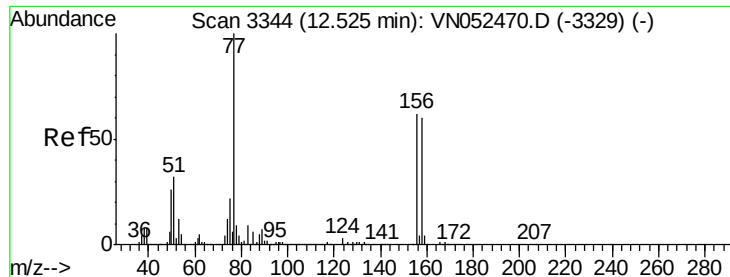
Acq: 7 Dec 2018 15:25

Tgt Ion: 75 Resp: 171222
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.416 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

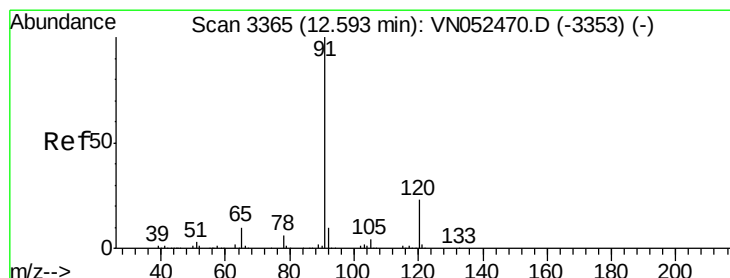
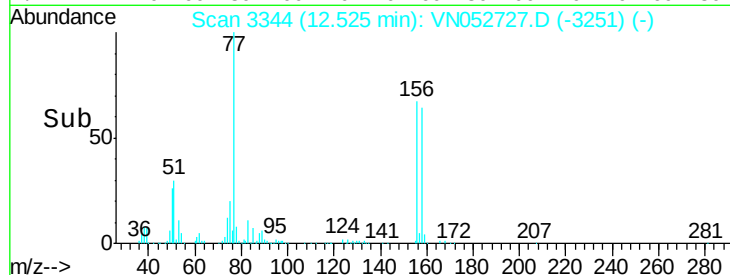
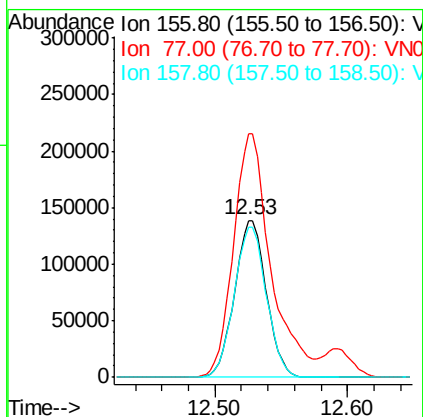
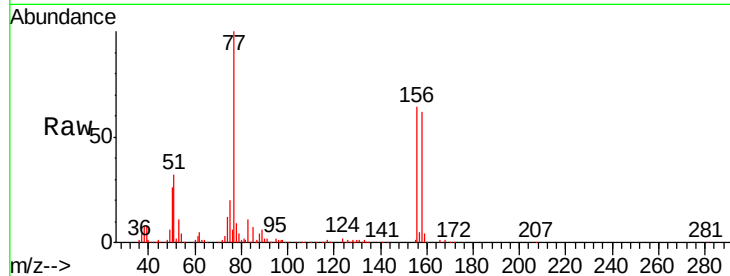
ClientSampleId :

VN1207WBSD02

Tgt Ion:	156	Resp:	229940
Ion Ratio	Lower	Upper	
156	100		
77	184.2	93.5	280.4
158	97.5	48.3	144.9

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#78

n-propylbenzene

Concen: 21.069 ug/l

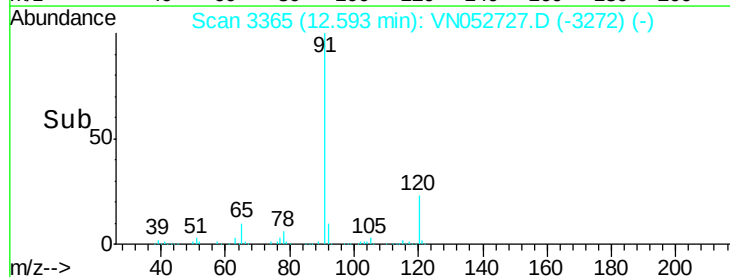
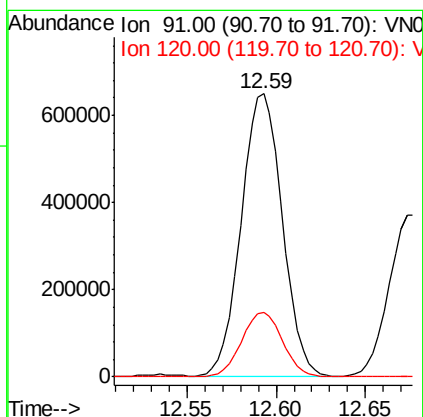
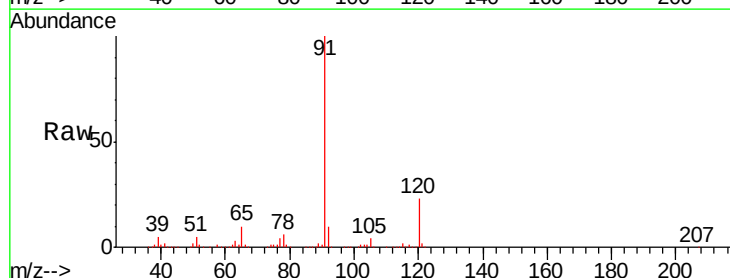
RT: 12.59 min Scan# 3365

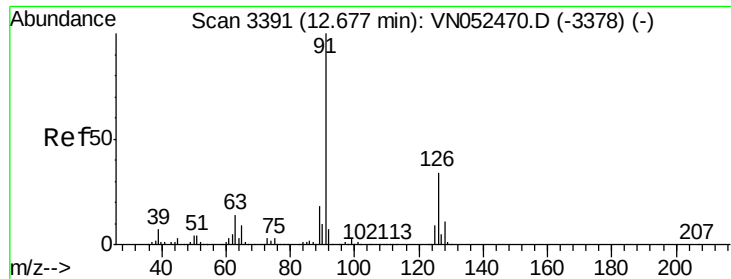
Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Tgt Ion:	91	Resp:	1039738
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 21.051 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 91 Resp: 618634

Ion Ratio Lower Upper

91 100

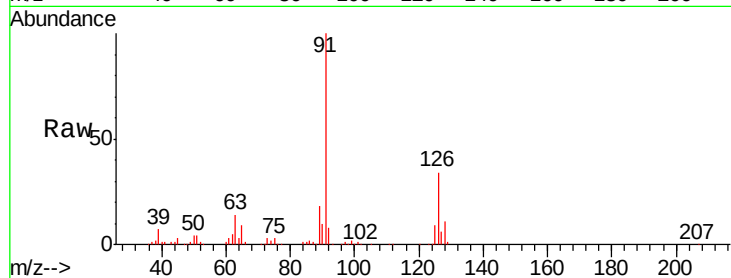
126 34.9 17.2 51.6

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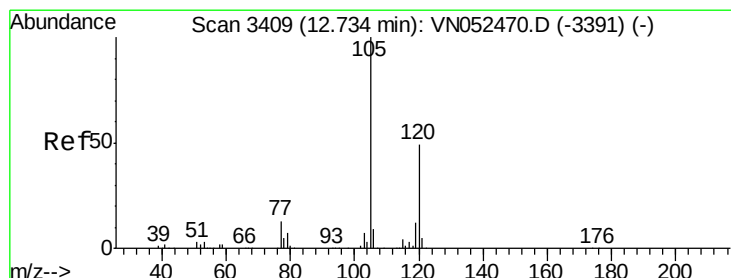
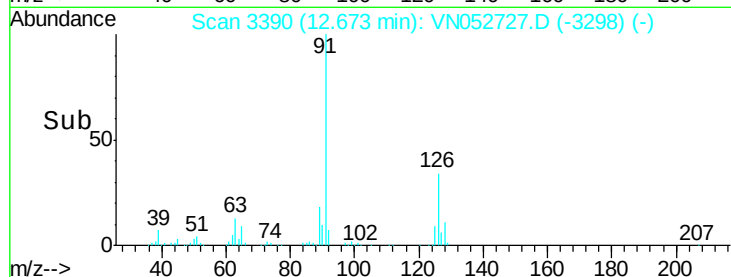
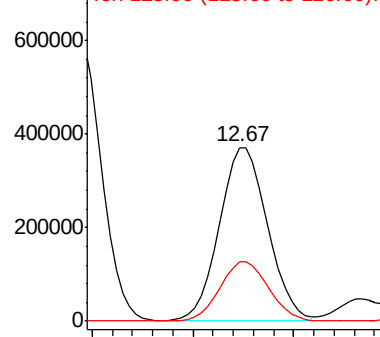
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.215 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052727.D

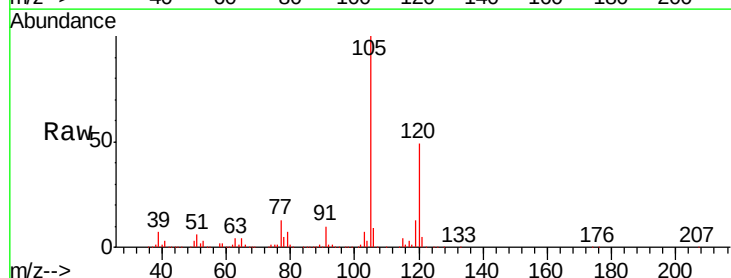
Acq: 7 Dec 2018 15:25

Tgt Ion: 105 Resp: 735000

Ion Ratio Lower Upper

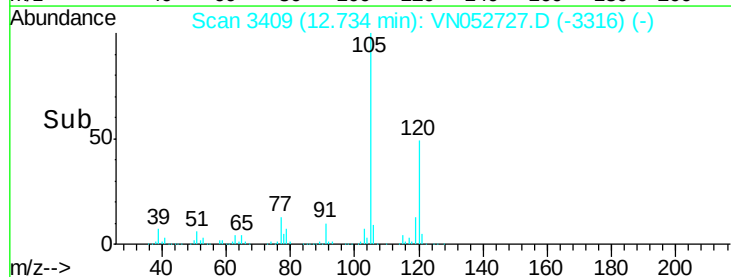
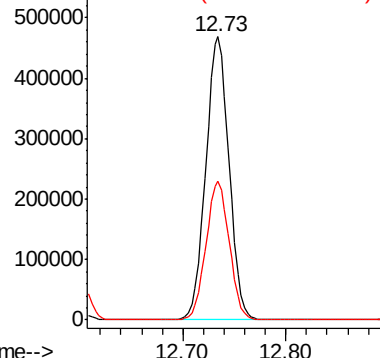
105 100

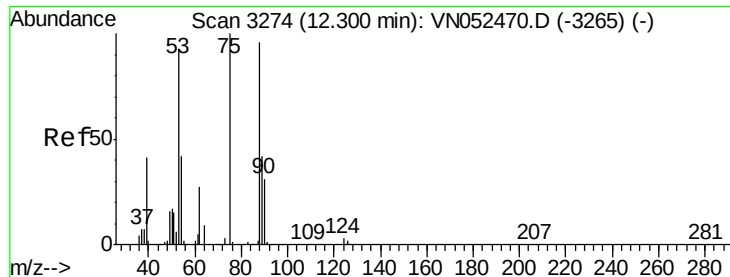
120 49.1 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.087 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

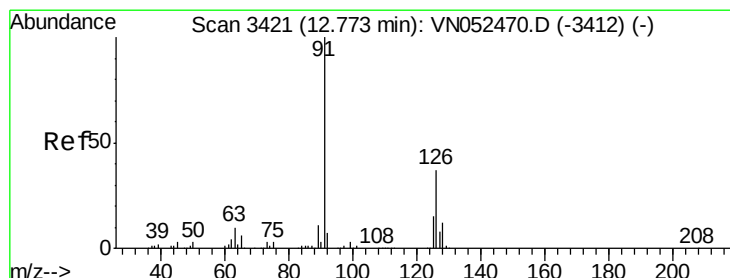
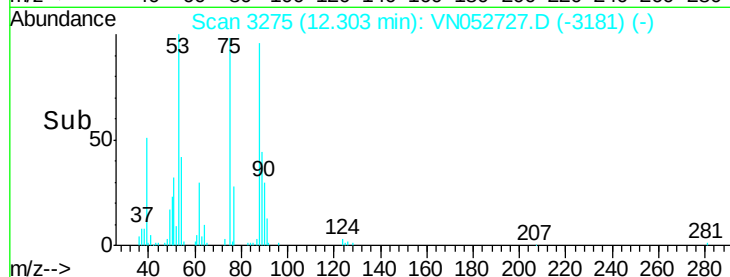
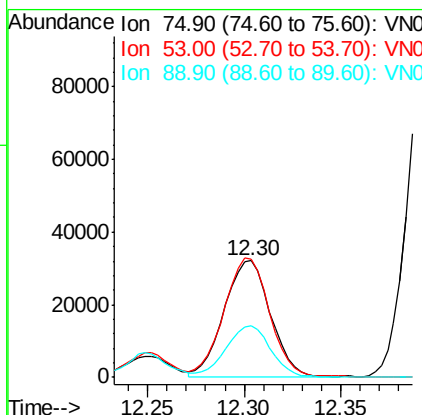
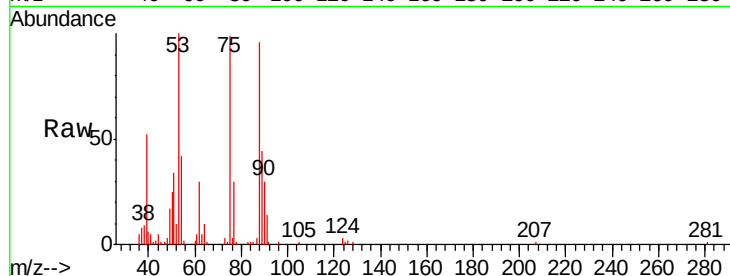
ClientSampleId :

VN1207WBSD02

Tgt Ion:	75	Resp:	53913
Ion Ratio	Lower	Upper	
75	100		
53	98.4	77.4	116.0
89	42.4	35.4	53.2

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#82

4-Chlorotoluene

Concen: 20.781 ug/l

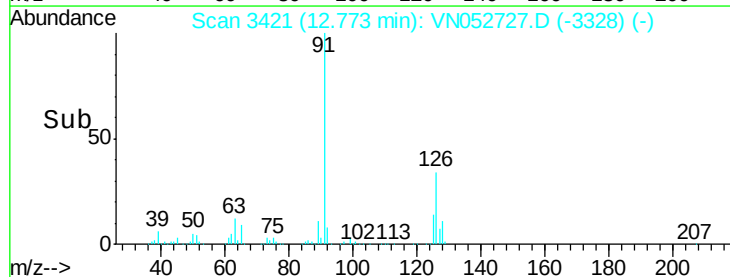
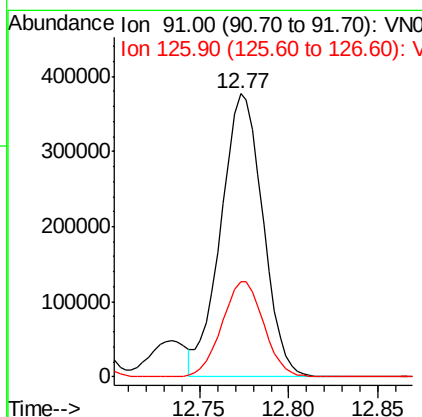
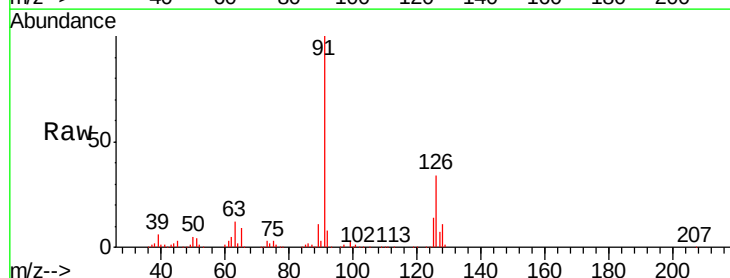
RT: 12.77 min Scan# 3421

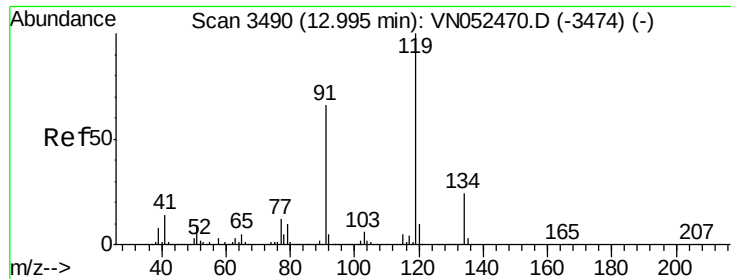
Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Tgt Ion:	91	Resp:	615476
Ion Ratio	Lower	Upper	
91	100		
126	33.8	16.9	50.6





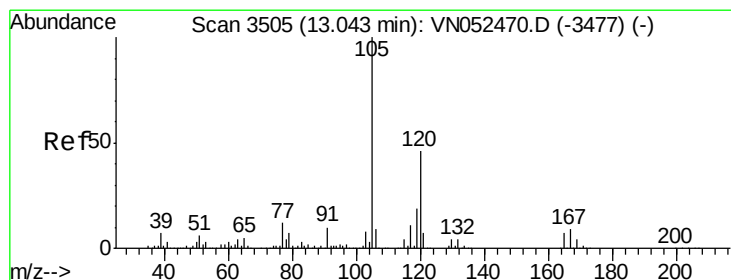
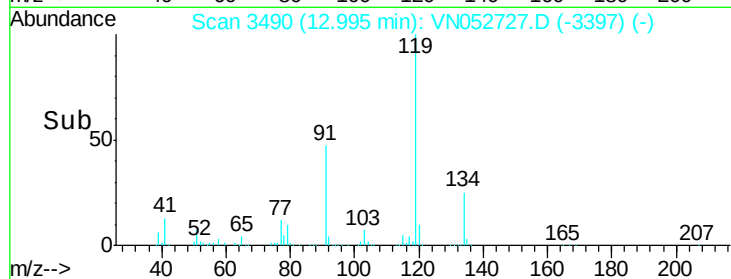
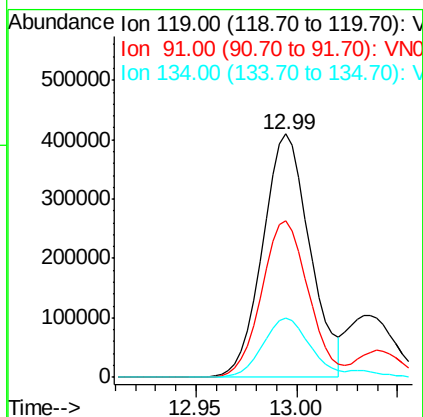
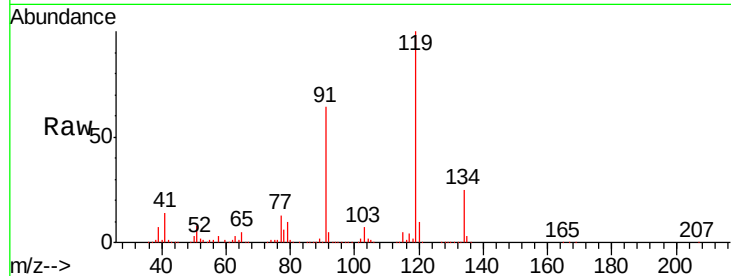
#83
 tert-Butylbenzene
 Concen: 21.587 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	666736		
91	63.9	32.3	96.9	
134	24.4	13.0	38.9	

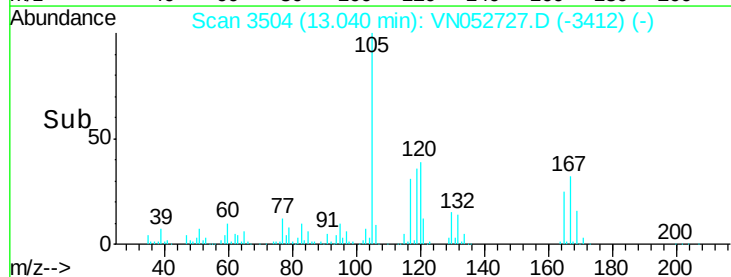
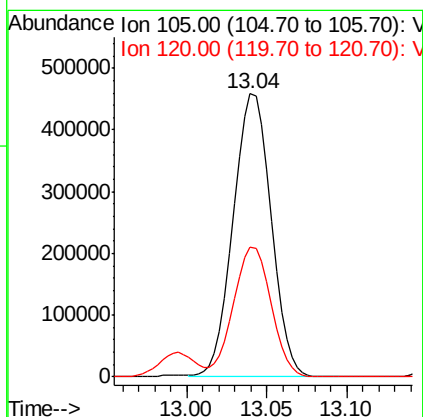
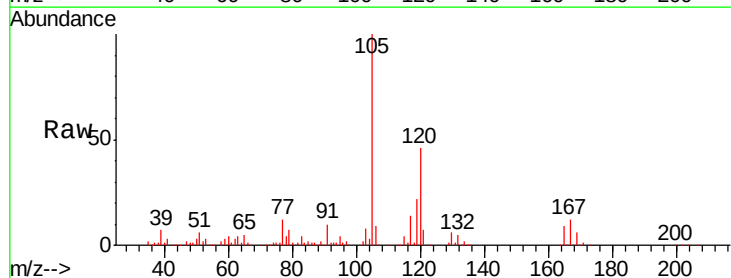
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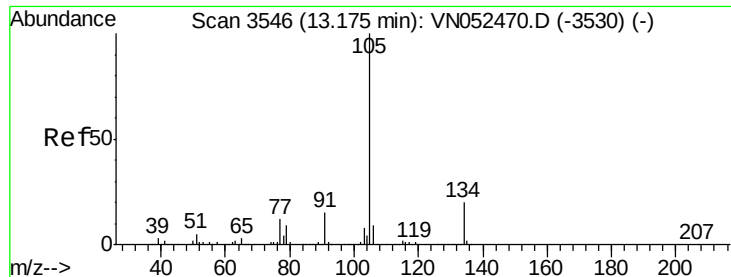
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.273 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	738593		
120	45.5	22.8	68.4	





#85

sec-Butylbenzene

Concen: 21.109 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion:105 Resp: 887987

Ion Ratio Lower Upper

105 100

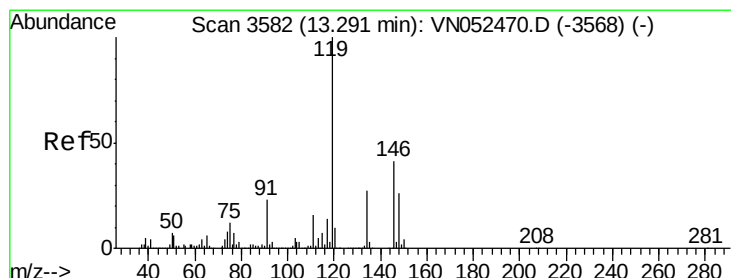
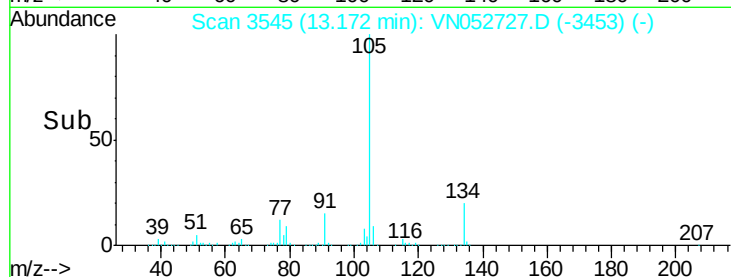
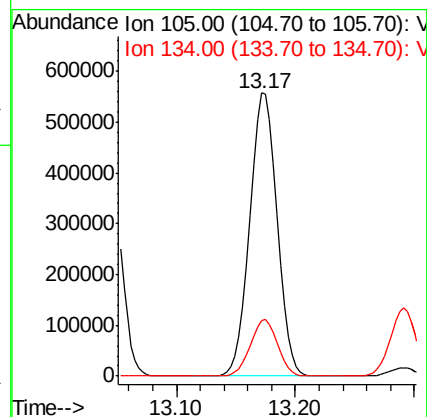
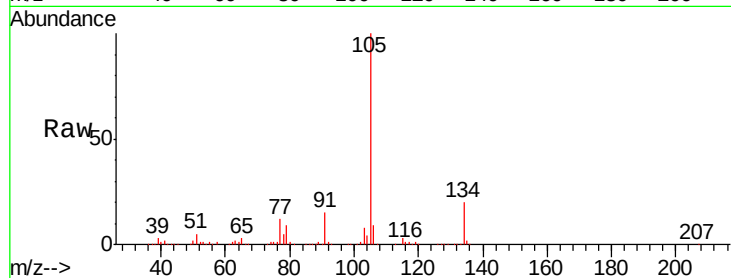
134 19.9 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 20.989 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

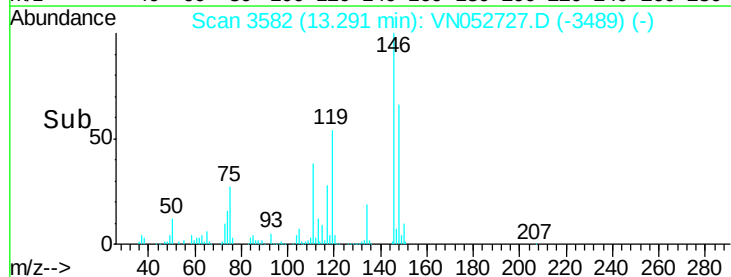
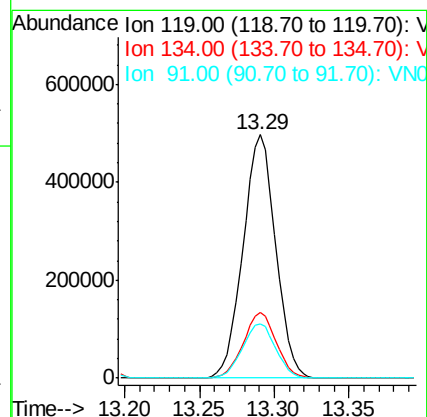
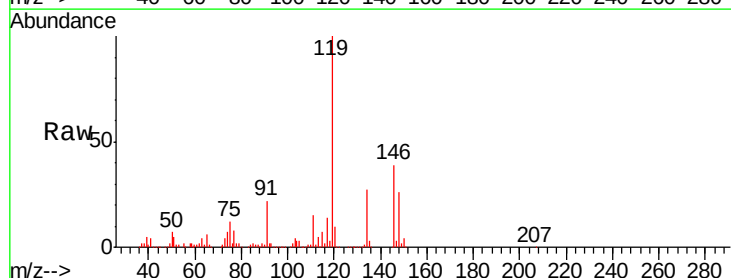
Tgt Ion:119 Resp: 752048

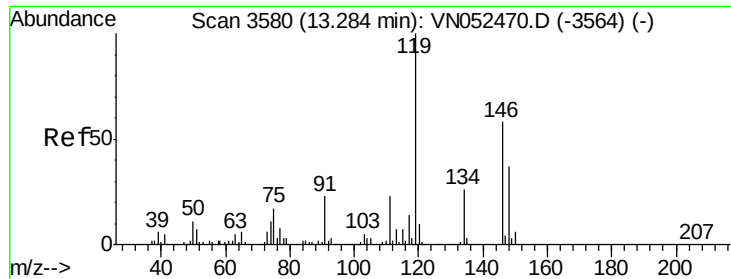
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.8 11.4 34.2





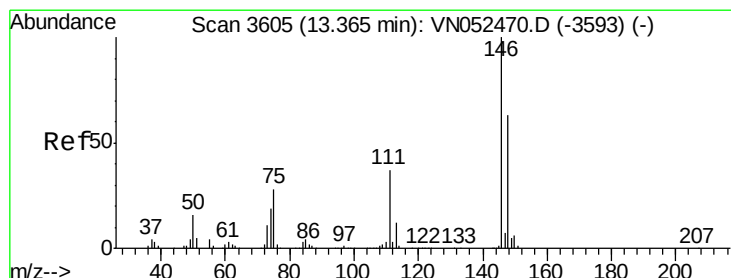
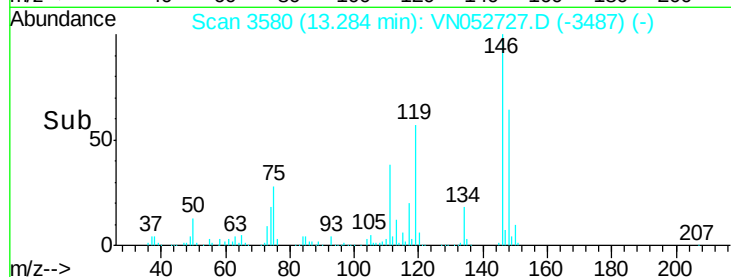
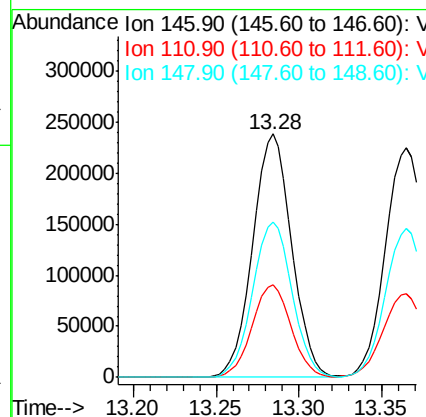
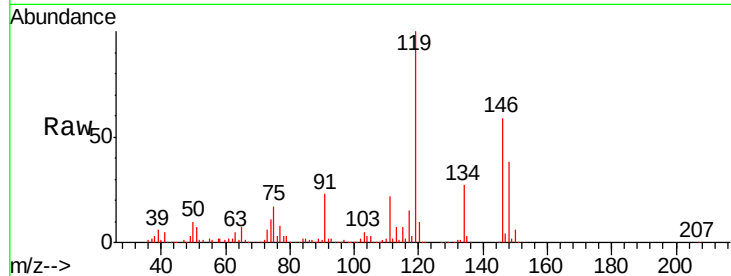
#87
 1,3-Dichlorobenzene
 Concen: 20.762 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.4
148	64.8	31.8	95.4

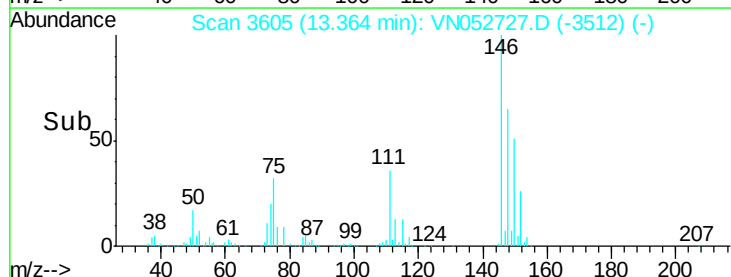
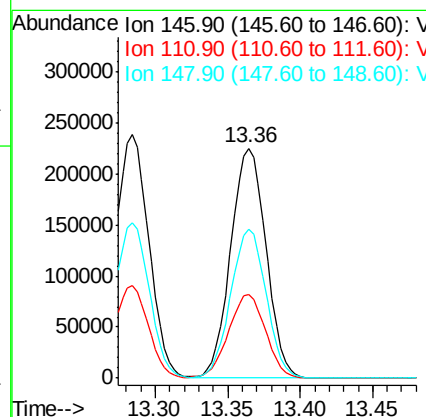
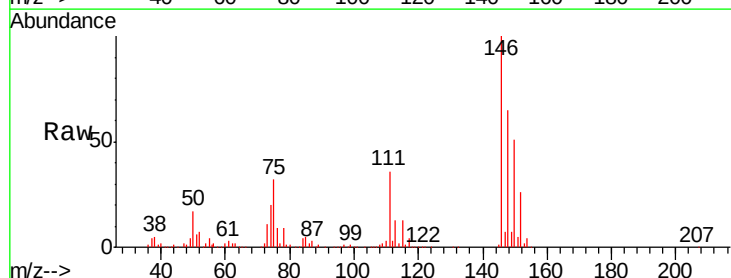
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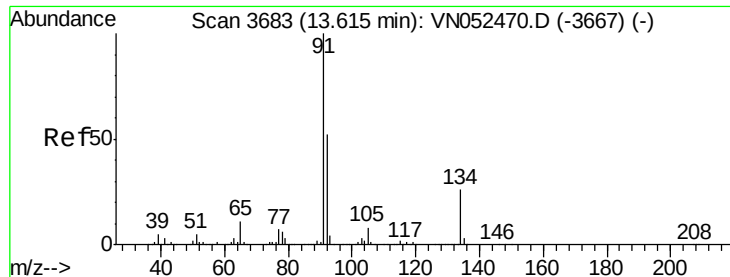
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#88
 1,4-Dichlorobenzene
 Concen: 20.560 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	56.0
148	65.1	31.9	95.9





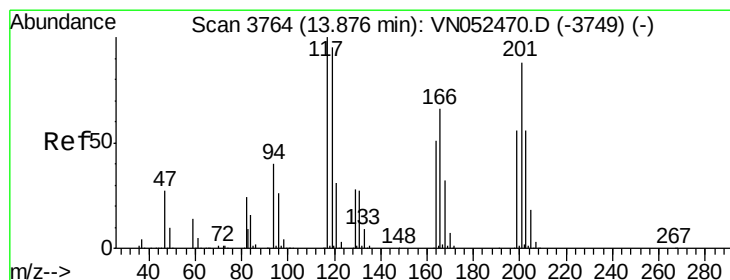
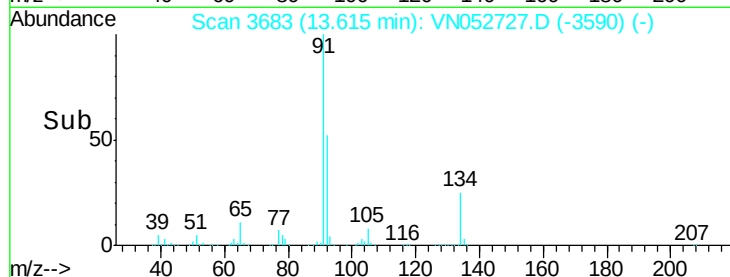
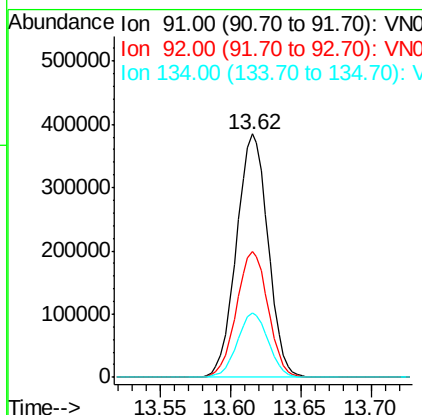
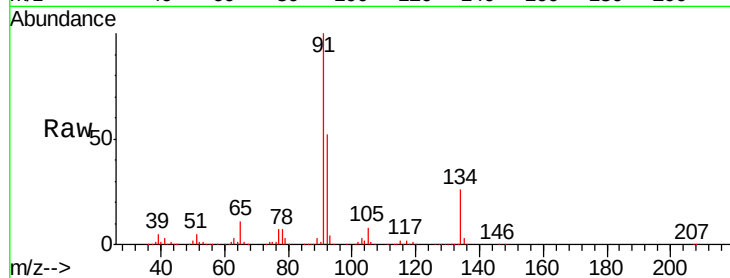
#89
n-Butylbenzene
Concen: 20.261 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.3
134	26.1	13.0	38.9

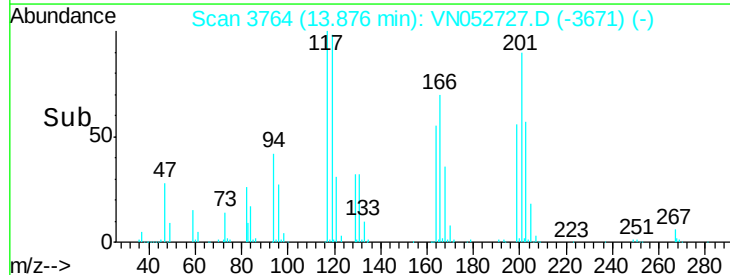
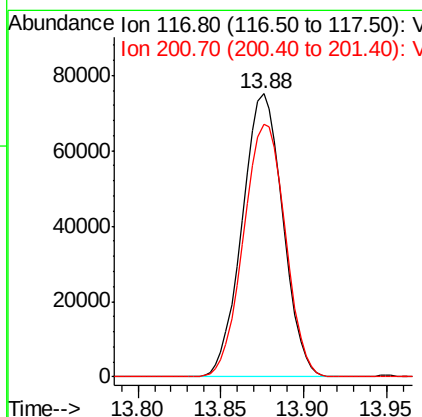
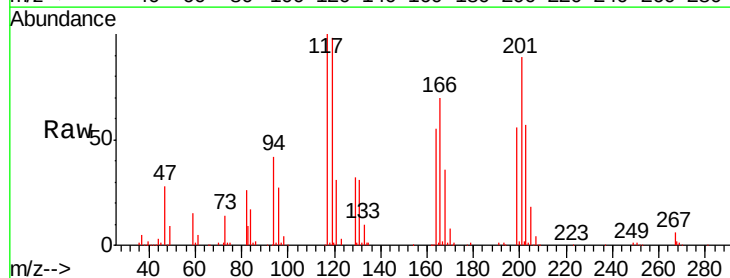
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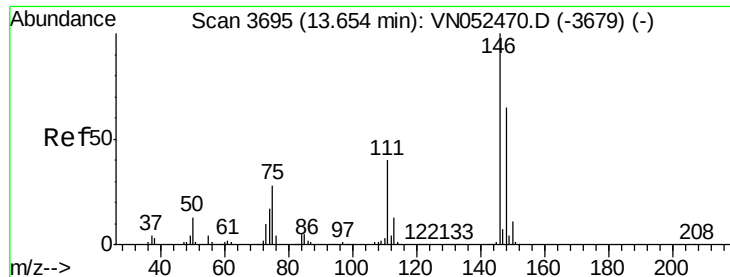
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#90
Hexachloroethane
Concen: 21.218 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	43.6	130.9





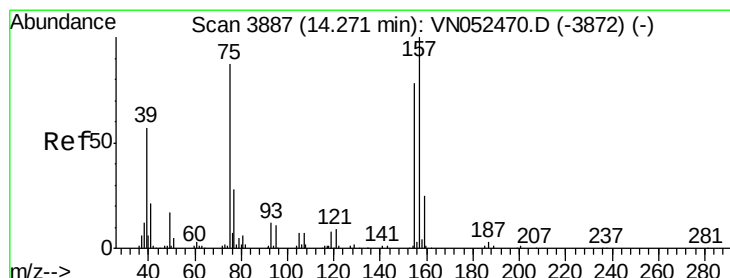
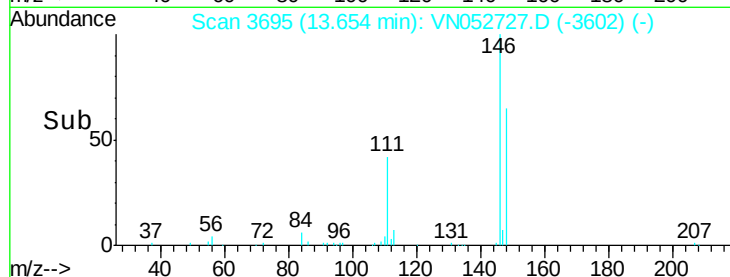
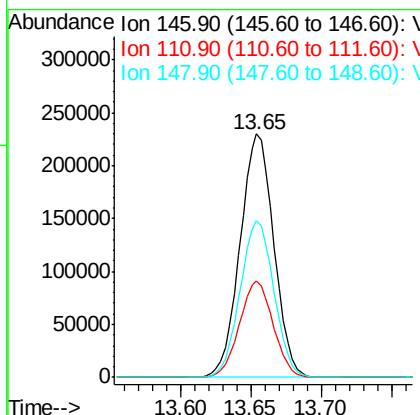
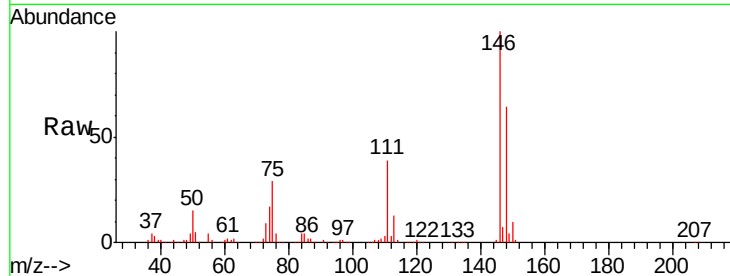
#91
 1,2-Dichlorobenzene
 Concen: 21.466 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	385179		
111	39.5	20.0	60.0	
148	64.6	32.0	96.2	

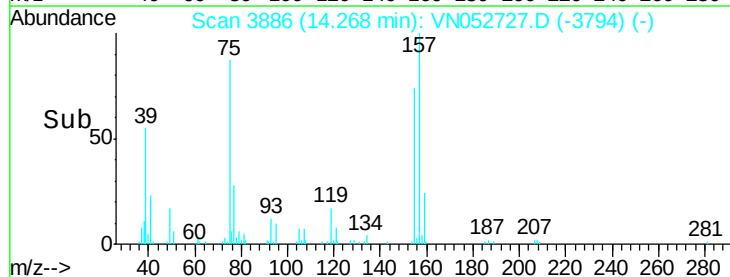
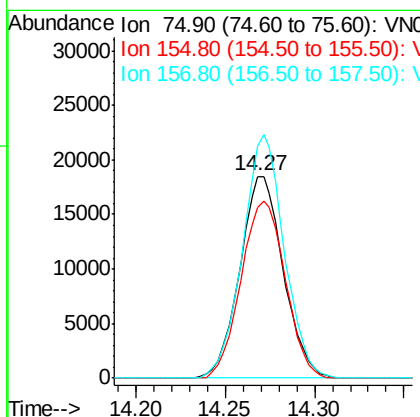
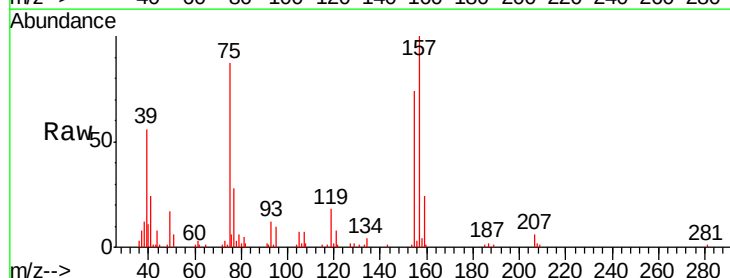
Manual Integrations
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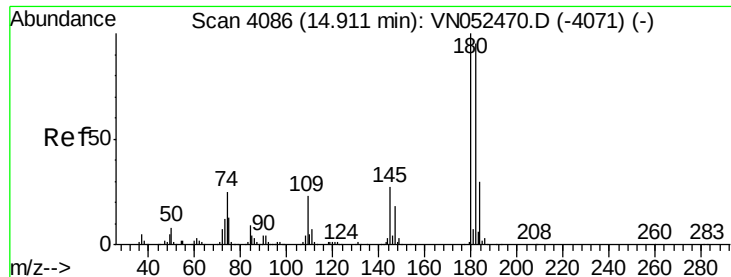
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 12/10/2018 12:50:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.169 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31331		
155	89.1	45.3	135.9	
157	115.5	58.1	174.2	





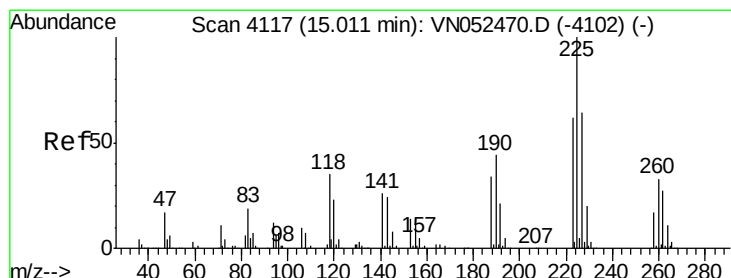
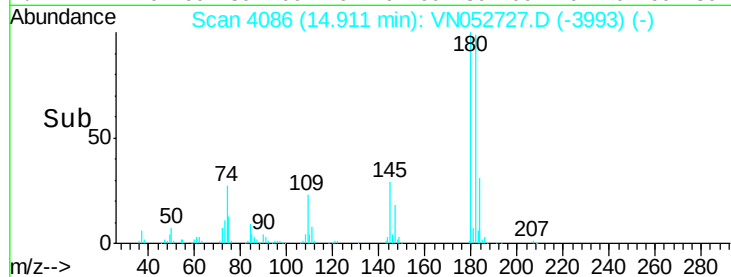
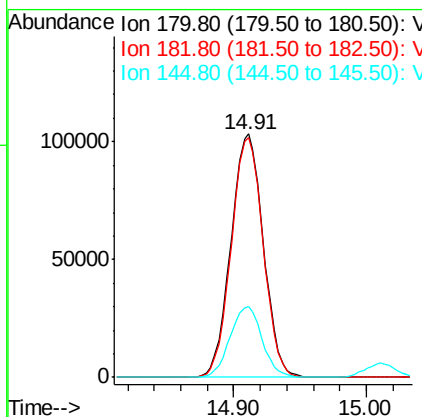
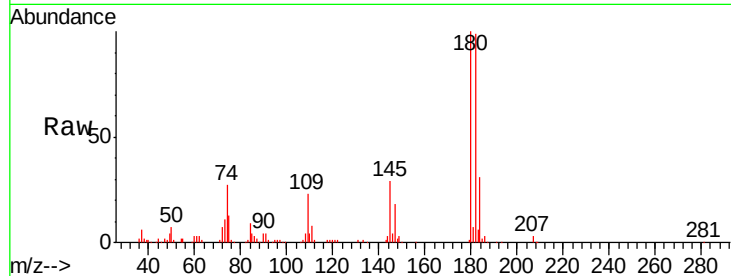
#93
1,2,4-Trichlorobenzene
Concen: 19.618 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	174925		
182	96.9	47.8	143.4	
145	28.7	14.1	42.3	

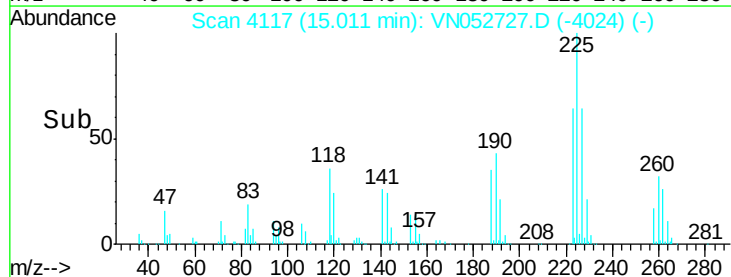
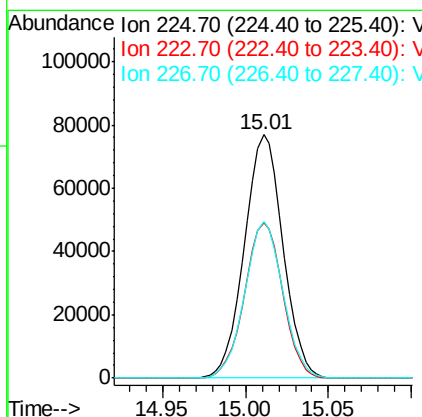
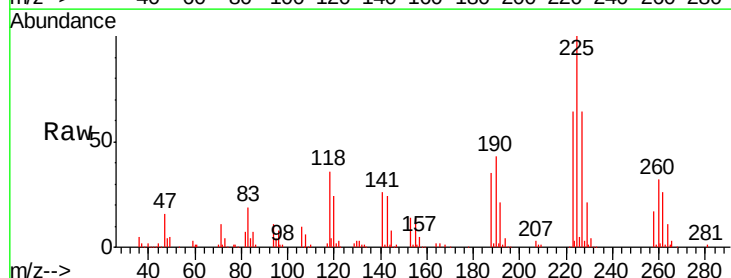
Manual Integrations
APPROVED

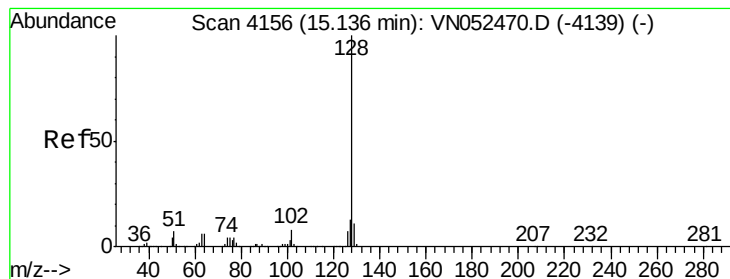
MMDadoda
12/10/2018 12:50:56 PM



#94
Hexachlorobutadiene
Concen: 21.588 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	124621		
223	63.0	31.4	94.2	
227	63.6	32.5	97.4	





#95

Naphthalene

Concen: 19.224 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

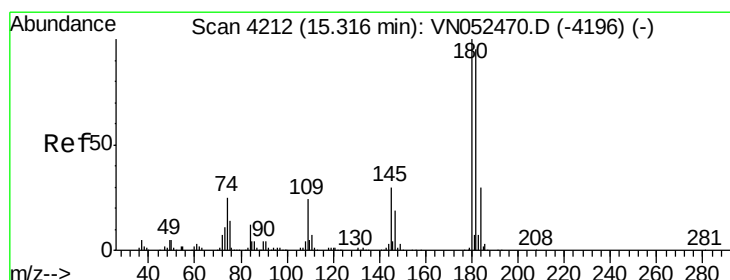
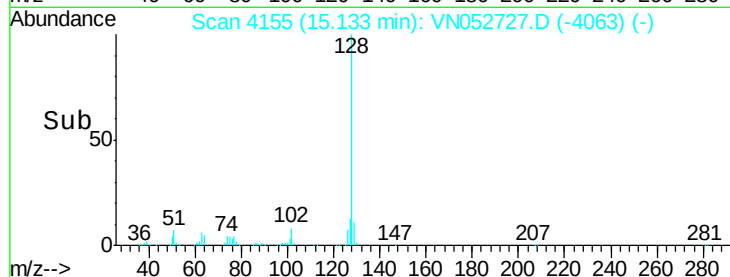
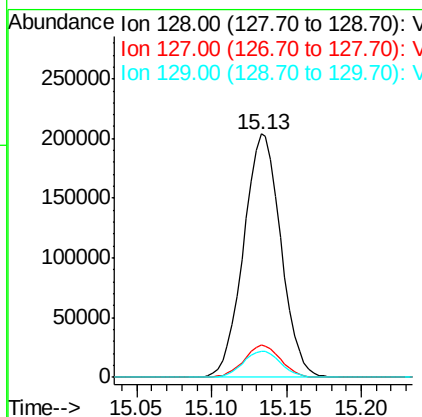
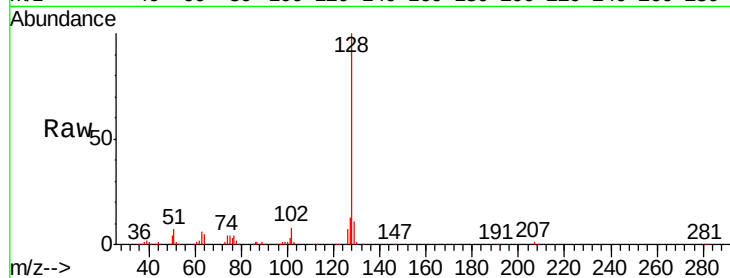
ClientSampleId :

VN1207WBSD02

Tgt Ion:	128	Resp:	353515
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/10/2018 12:50:56 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.537 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Tgt Ion:	180	Resp:	170250
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.8	143.3
145	30.0	15.2	45.5

