

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052149.D
 Acq On : 5 Nov 2018 15:22
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110518

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 10:00:07 AM

Quant Time: Nov 05 22:46:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	453153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	737883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	673102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	308701	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	259533	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	7.59	113	238951	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	10.09	98	910738	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.40	95	307337	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	213368	53.996	ug/l	97
3) Chloromethane	2.06	50	275587	51.671	ug/l	98
4) Vinyl Chloride	2.19	62	257698	50.447	ug/l	99
5) Bromomethane	2.57	94	183380	48.019	ug/l	96
6) Chloroethane	2.71	64	160973	49.284	ug/l	97
7) Trichlorofluoromethane	3.02	101	376228	50.703	ug/l	99
8) Diethyl Ether	3.41	74	132985	51.298	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	234248	52.828	ug/l	98
10) Methyl Iodide	3.96	142	322093	51.449	ug/l	99
11) Tert butyl alcohol	4.79	59	61543	263.463	ug/l	99
12) 1,1-Dichloroethene	3.74	96	210843	50.506	ug/l	98
13) Acrolein	3.61	56	63471	267.570	ug/l	100
14) Allyl chloride	4.33	41	348486	50.017	ug/l	94
15) Acrylonitrile	4.99	53	389678	254.817	ug/l	99
16) Acetone	3.82	43	297424	244.308	ug/l	99
17) Carbon Disulfide	4.06	76	621514	52.172	ug/l	98
18) Methyl Acetate	4.33	43	179766	46.467	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	589279	51.292	ug/l	99
20) Methylene Chloride	4.55	84	239958	47.437	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	233621	50.477	ug/l	99
22) Diisopropyl ether	5.95	45	765175	50.062	ug/l	98
23) Vinyl Acetate	5.90	43	2691529	266.411	ug/l	98
24) 1,1-Dichloroethane	5.85	63	429183	49.424	ug/l	98
25) 2-Butanone	6.84	43	464497	246.056	ug/l	98
26) 2,2-Dichloropropane	6.83	77	354222	52.121	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	267496	50.792	ug/l	99
28) Bromochloromethane	7.19	49	210919	51.337	ug/l	94
29) Tetrahydrofuran	7.21	42	300035	256.877	ug/l	99
30) Chloroform	7.37	83	432280	49.957	ug/l	98
31) Cyclohexane	7.66	56	401276	50.085	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	381065	49.990	ug/l	100
36) 1,1-Dichloropropene	7.80	75	336143	51.496	ug/l	97
37) Ethyl Acetate	6.93	43	212211	52.780	ug/l #	90
38) Carbon Tetrachloride	7.78	117	346547	53.102	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	413468	53.484	ug/l	98
40) Benzene	8.04	78	991498	51.670	ug/l	100
41) Methacrylonitrile	7.18	41	126057	55.742	ug/l	93
42) 1,2-Dichloroethane	8.13	62	309678	50.202	ug/l	99
43) Isopropyl Acetate	8.16	43	390011	52.365	ug/l #	89
44) Trichloroethene	8.84	130	271964	53.532	ug/l	97
45) 1,2-Dichloropropane	9.12	63	265131	52.172	ug/l	99
46) Dibromomethane	9.21	93	160830	49.763	ug/l	96
47) Bromodichloromethane	9.40	83	329885	52.338	ug/l	100
48) Methyl methacrylate	9.20	41	191147	53.324	ug/l	99
49) 1,4-Dioxane	9.20	88	35115	1156.516	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1054047	267.879	ug/l	99
52) Toluene	10.16	92	621277	53.691	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	346251	55.998	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	391570	54.118	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	216141	52.979	ug/l	98
56) Ethyl methacrylate	10.43	69	287445	54.054	ug/l	100
57) 1,3-Dichloropropane	10.71	76	377438	52.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	797637	278.712	ug/l	98
59) 2-Hexanone	10.75	43	745437	272.148	ug/l	99
60) Dibromochloromethane	10.90	129	252627	54.451	ug/l	99
61) 1,2-Dibromoethane	11.01	107	222737	53.784	ug/l	100
64) Tetrachloroethene	10.63	164	239684	54.964	ug/l	99
65) Chlorobenzene	11.43	112	699373	50.976	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	247582	53.736	ug/l	98
67) Ethyl Benzene	11.51	91	1199330	52.632	ug/l	99
68) m/p-Xylenes	11.62	106	924970	105.199	ug/l	100
69) o-Xylene	11.95	106	454255	53.273	ug/l	99
70) Styrene	11.96	104	732278	54.248	ug/l	99
71) Bromoform	12.13	173	155052	50.444	ug/l #	99
73) Isopropylbenzene	12.25	105	1199069	51.372	ug/l	98
74) N-amyl acetate	12.07	43	364643	52.647	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	261950	51.272	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	229255m	47.190	ug/l	
77) Bromobenzene	12.53	156	294520	52.915	ug/l	98
78) n-propylbenzene	12.59	91	1371438	51.413	ug/l	100
79) 2-Chlorotoluene	12.67	91	779984	49.863	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	962743	50.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	75474	55.628	ug/l	97
82) 4-Chlorotoluene	12.77	91	797038	50.695	ug/l	99
83) tert-Butylbenzene	12.99	119	858306	51.449	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	979783	52.097	ug/l	100
85) sec-Butylbenzene	13.17	105	1169379	51.838	ug/l	100
86) p-Isopropyltoluene	13.29	119	1012120	53.306	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	521872	53.058	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	520696	52.963	ug/l	99
89) n-Butylbenzene	13.61	91	882702	53.690	ug/l	99
90) Hexachloroethane	13.88	117	174221	54.446	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	507508	54.980	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39898	59.159	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	268888	61.239	ug/l	96
94) Hexachlorobutadiene	15.01	225	133826	61.774	ug/l	96
95) Naphthalene	15.13	128	605913	64.097	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	235398	62.346	ug/l	97

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

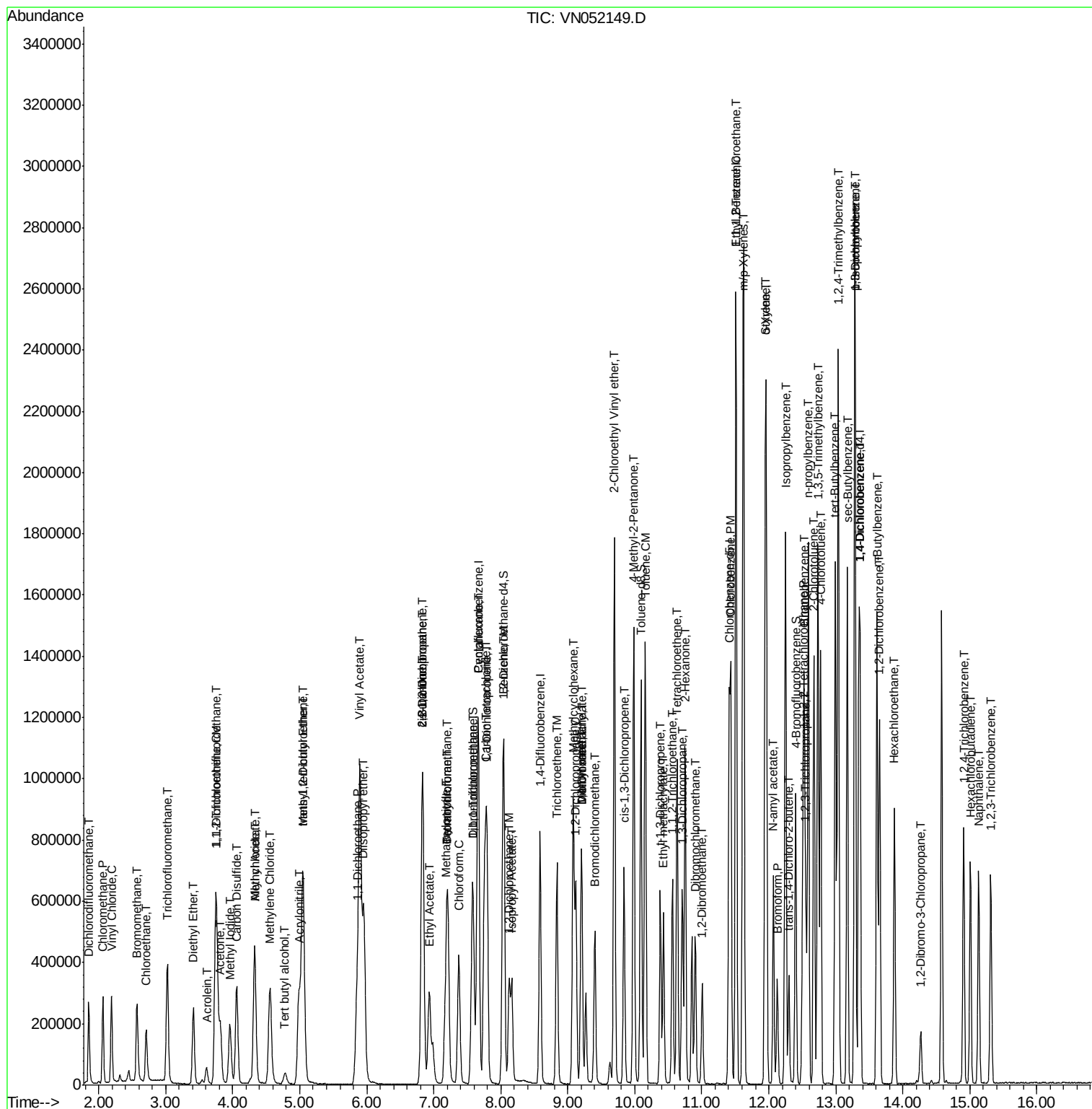
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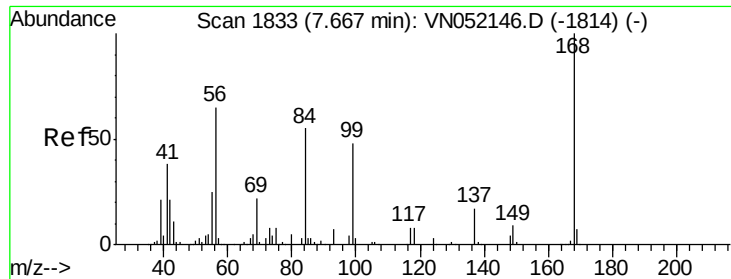
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052149.D

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Instrument :

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ClientSampleId :

ICVVN110518

Tot Ion:168 Resp: 453153

Ion Ratio Lower Upper

168 100

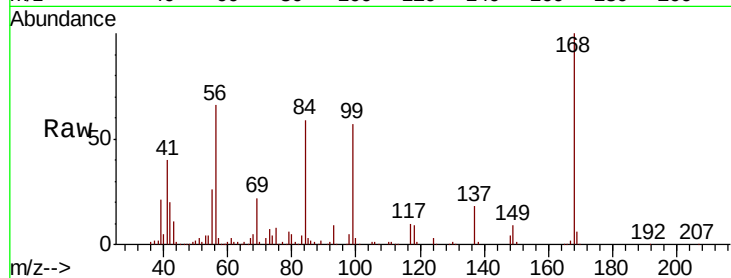
99 56.3 45.4 68.2

Manual Integrations

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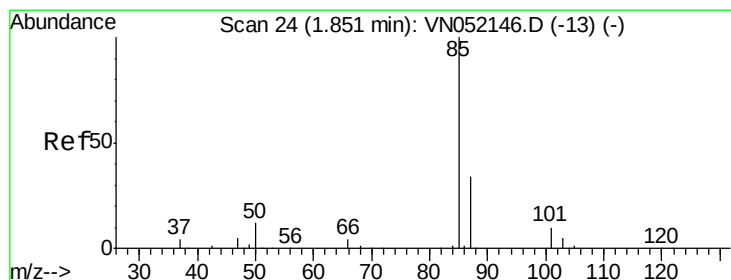
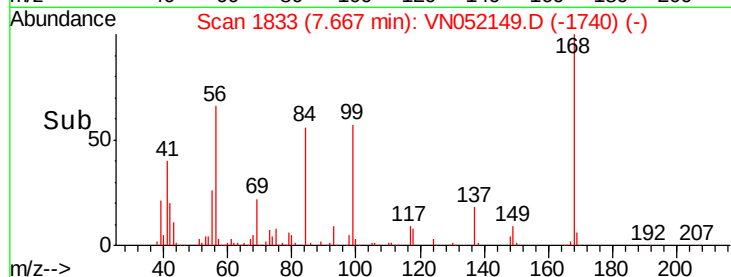
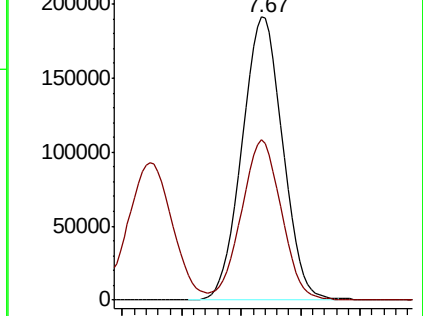
MMDadoda

11/6/2018 10:00:07 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 53.996 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052149.D

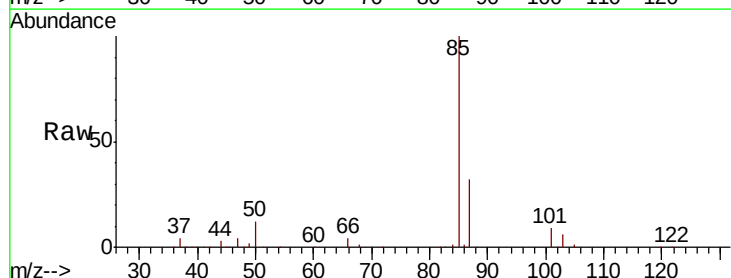
Acq: 5 Nov 2018 15:22

Tgt Ion: 85 Resp: 213368

Ion Ratio Lower Upper

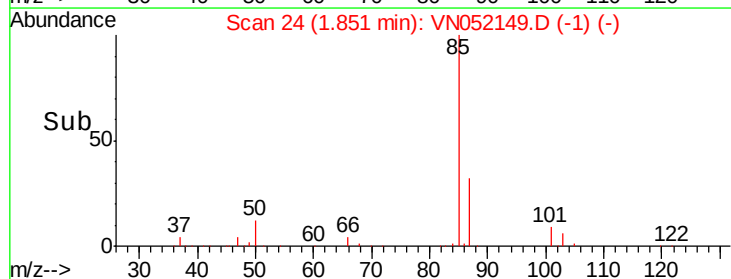
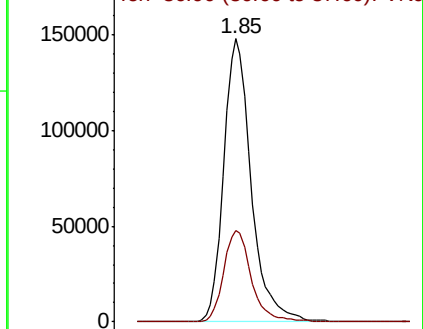
85 100

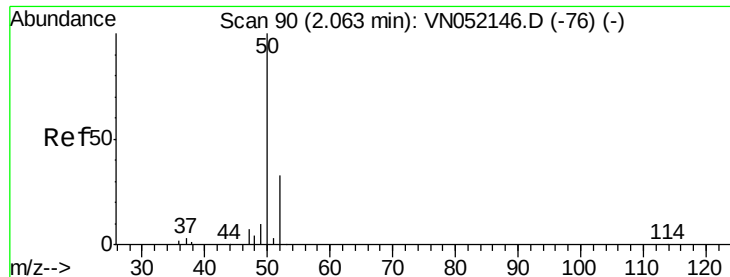
87 32.4 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 51.671 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110518

Tot Ion: 50 Resp: 275587

Ion Ratio Lower Upper

50 100

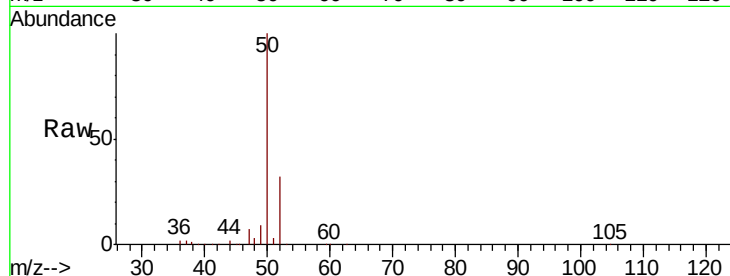
52 31.8 26.2 39.4

Manual Integrations

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11/6/2018 10:00:07 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

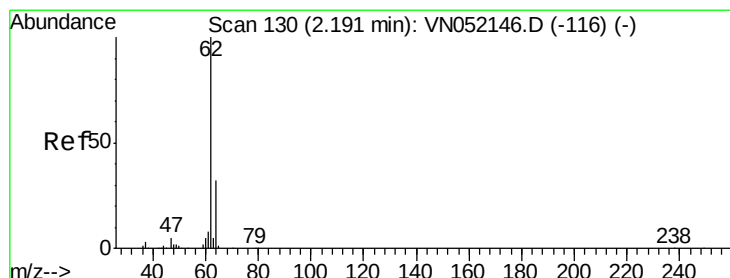
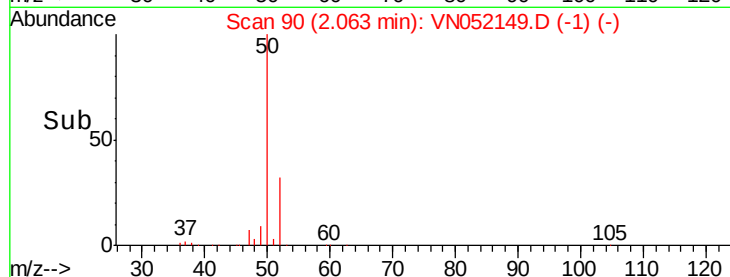
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.447 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052149.D

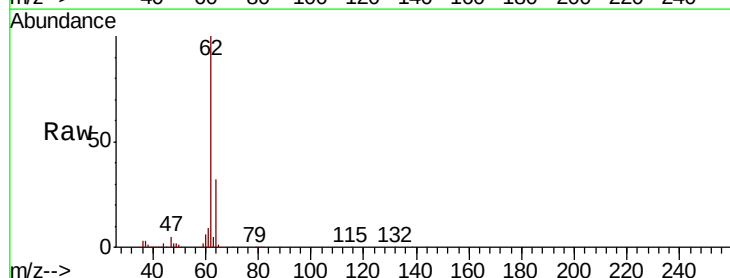
Acq: 5 Nov 2018 15:22

Tgt Ion: 62 Resp: 257698

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

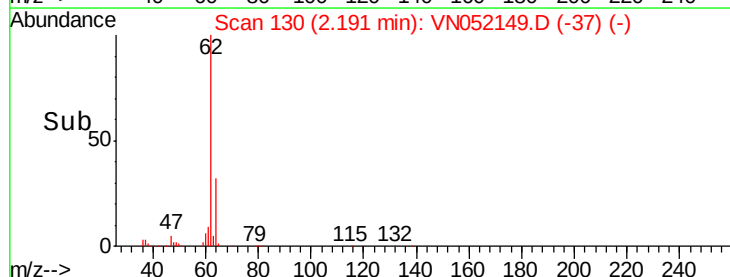
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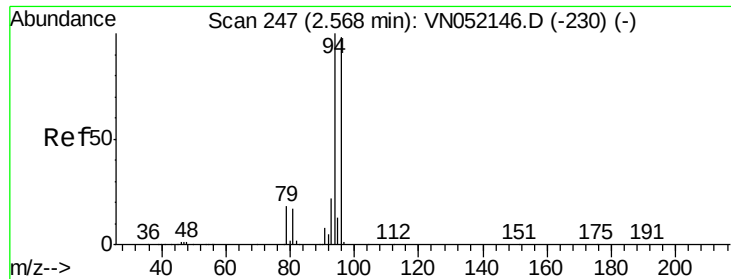
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50000

0

Time-->





#5

Bromomethane

Concen: 48.019 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110518

Tot Ion: 94 Resp: 183380

Ion Ratio Lower Upper

94 100

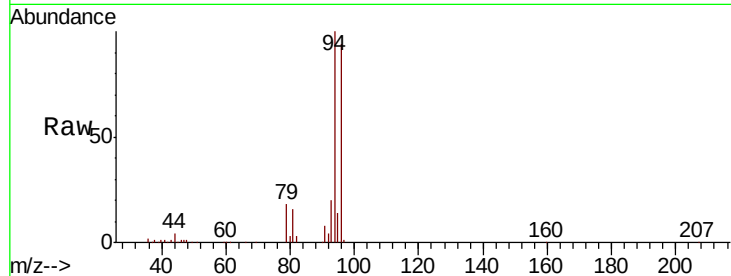
96 94.2 78.3 117.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

100000

80000

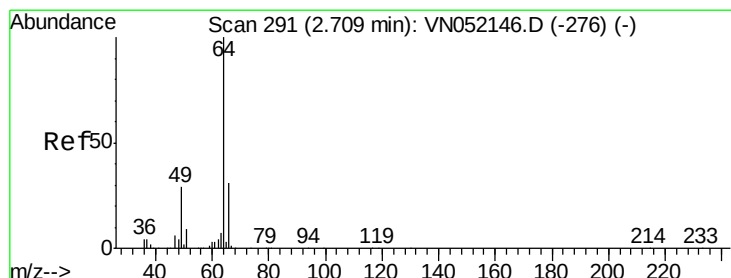
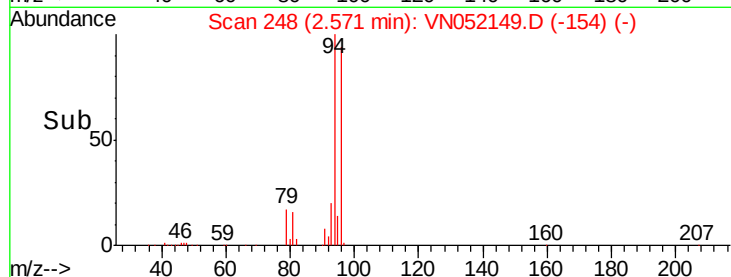
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 49.284 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052149.D

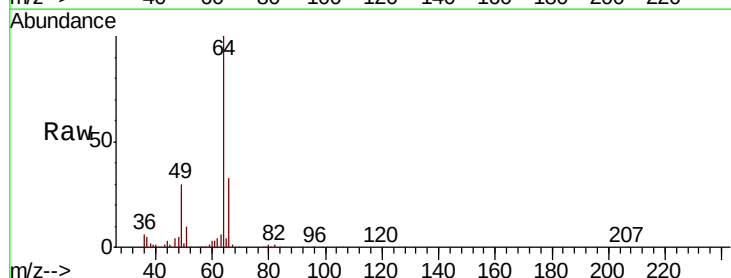
Acq: 5 Nov 2018 15:22

Tgt Ion: 64 Resp: 160973

Ion Ratio Lower Upper

64 100

66 32.6 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

80000

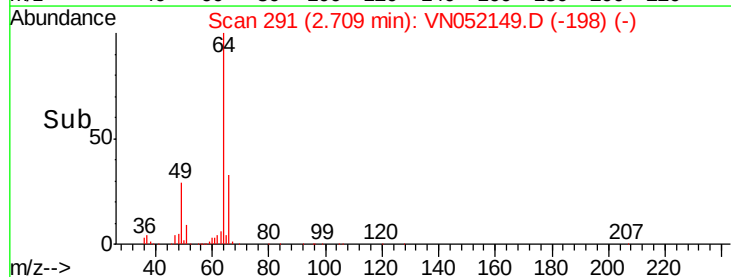
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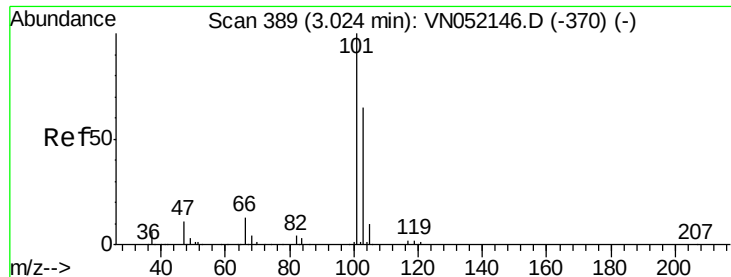
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Time-->





#7

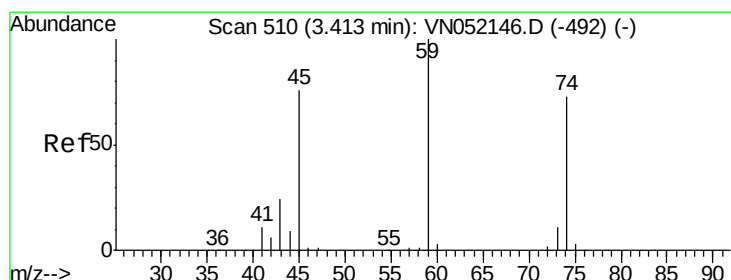
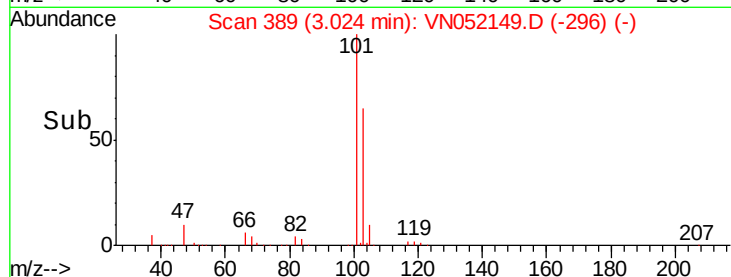
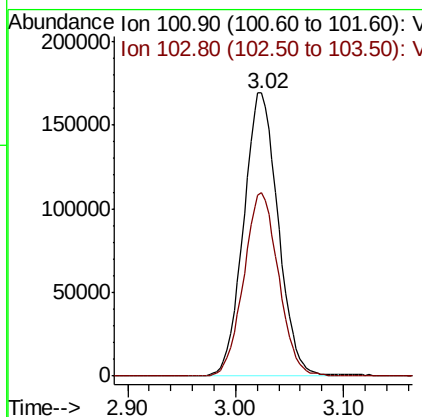
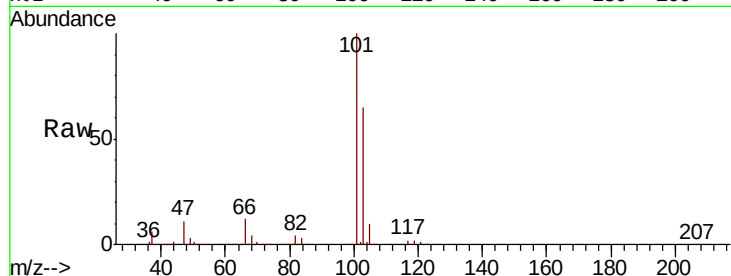
Trichlorofluoromethane
Concen: 50.703 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.4

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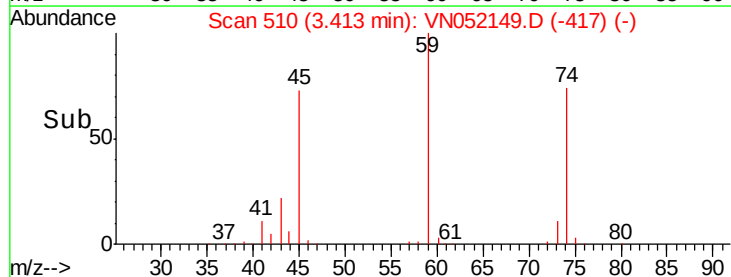
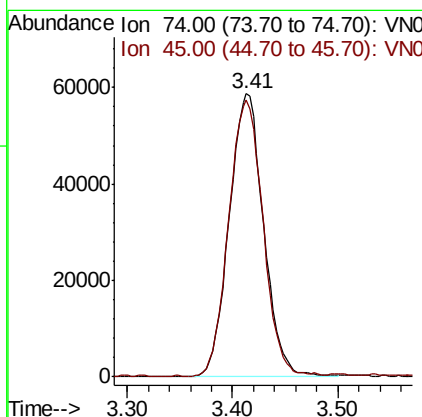
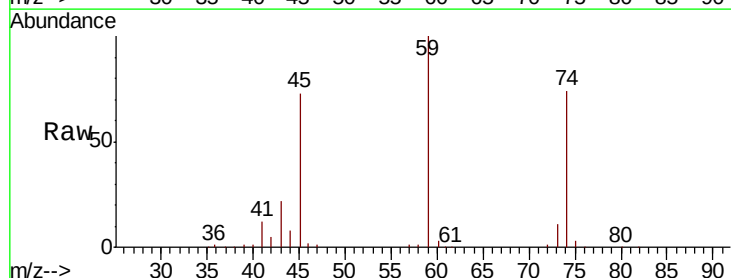
MMDadoda
11/6/2018 10:00:07 AM

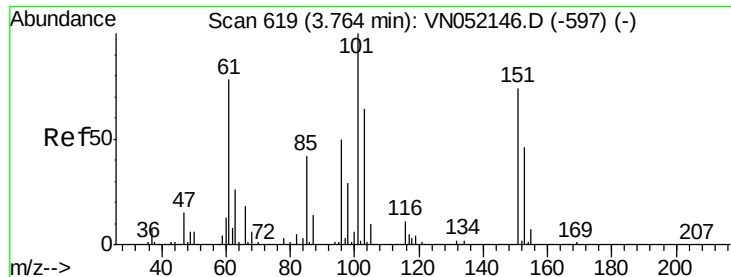


#8

Diethyl Ether
Concen: 51.298 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052149.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.828 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

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MSVOA_N

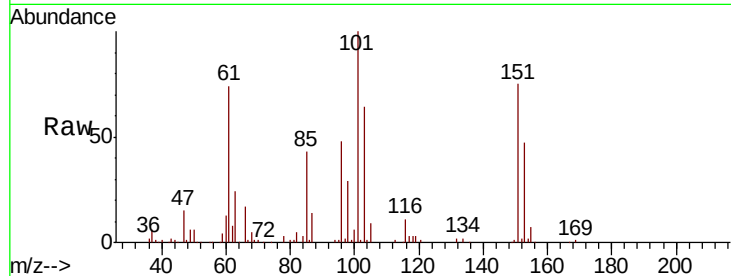
ClientSampled :

ICVVN110518

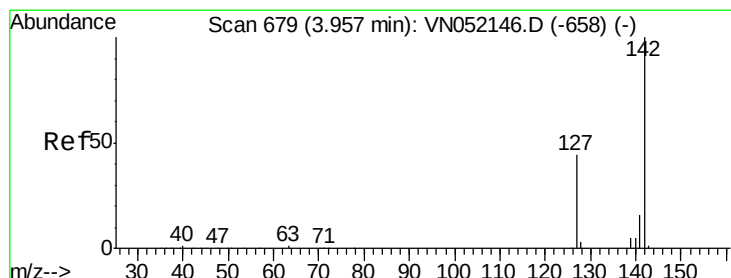
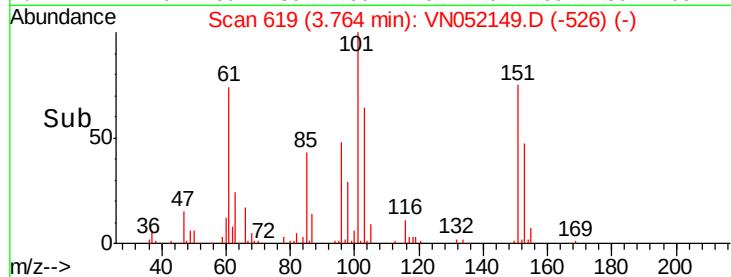
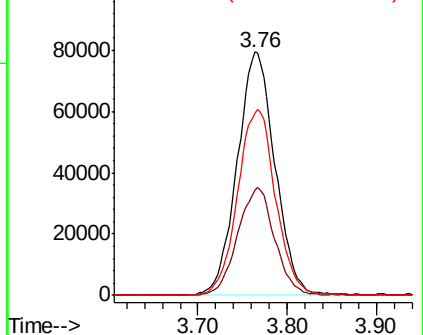
Tot Ion:	101	Resp:	234248
Ion Ratio	Lower	Upper	
101	100		
85	43.3	36.1	54.1
151	76.4	59.7	89.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.449 ug/l

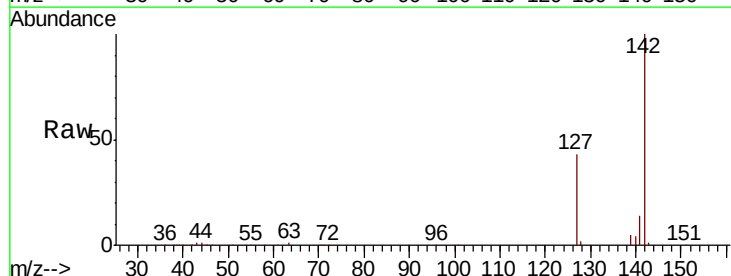
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

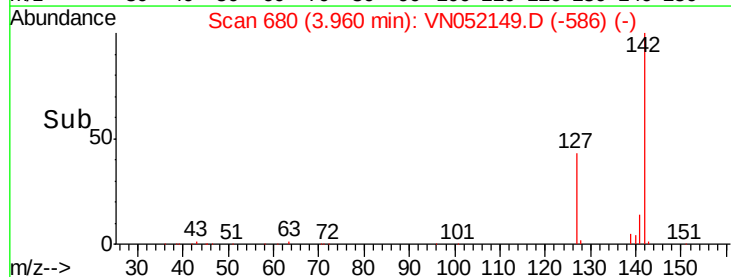
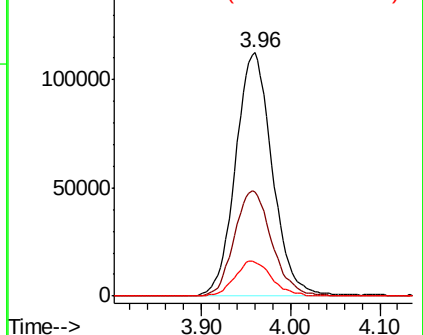
Lab File: VN052149.D

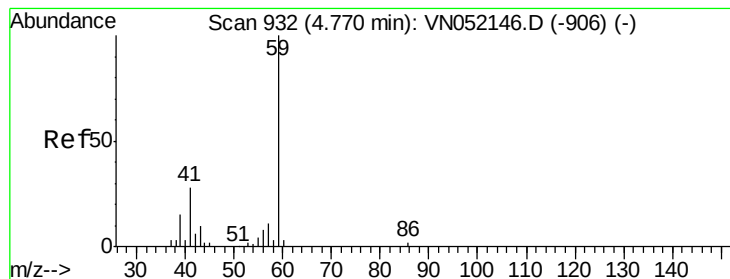
Acq: 5 Nov 2018 15:22

Tgt Ion:	142	Resp:	322093
Ion Ratio	Lower	Upper	
142	100		
127	44.3	36.0	54.0
141	14.5	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

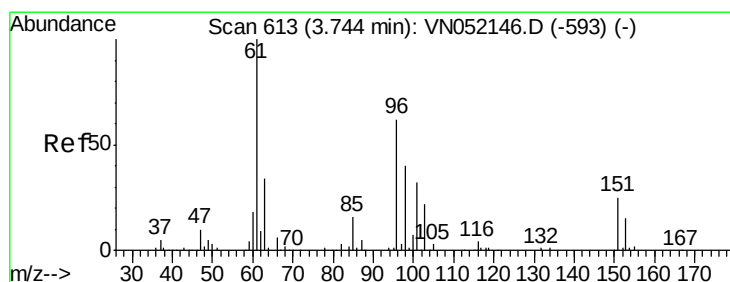
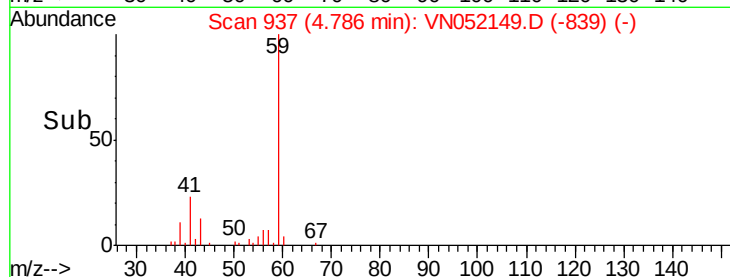
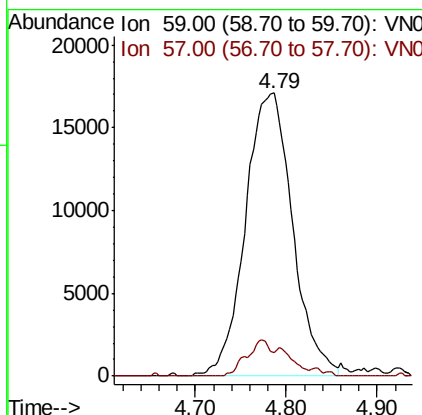
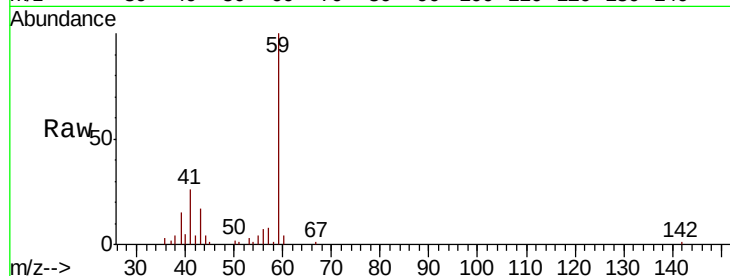
Tert butyl alcohol
Concen: 263.463 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.02 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion	59	Resp	61543
Ion Ratio	100	Lower	Upper
57	6.6	5.7	8.5

Manual Integrations
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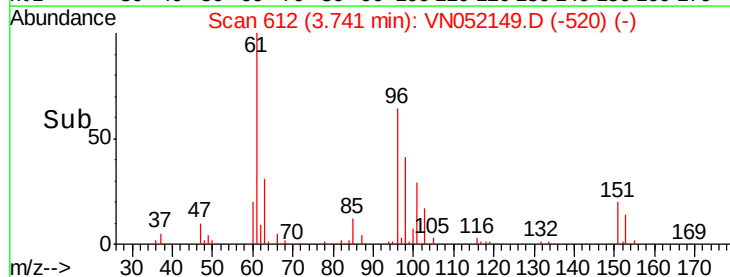
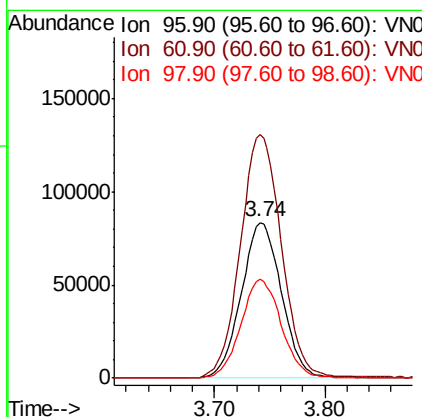
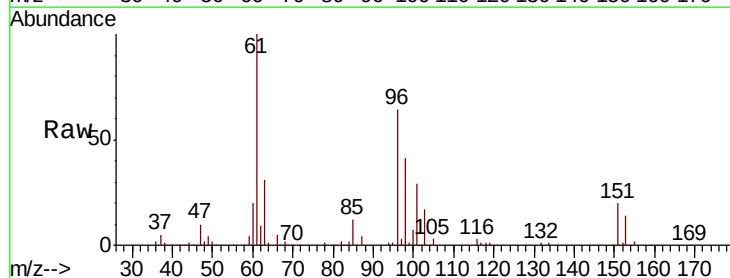
MMDadoda
11/6/2018 10:00:07 AM

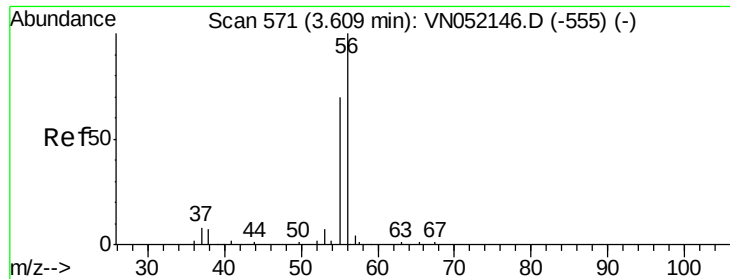


#12

1,1-Dichloroethene
Concen: 50.506 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	96	Resp	210843
Ion Ratio	100	Lower	Upper
61	156.2	128.4	192.6
98	63.4	50.9	76.3





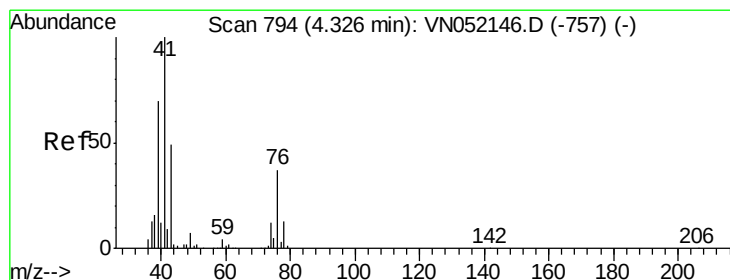
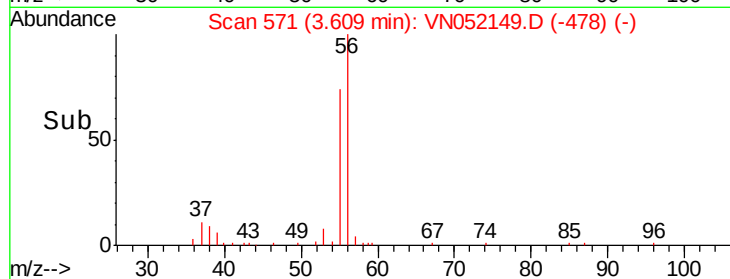
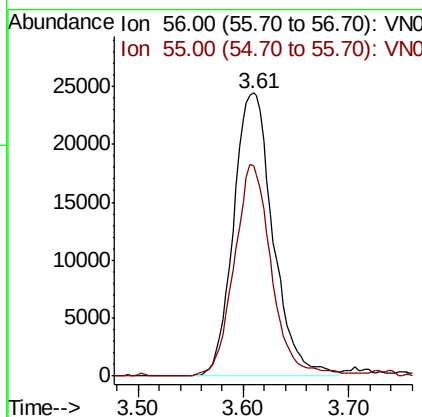
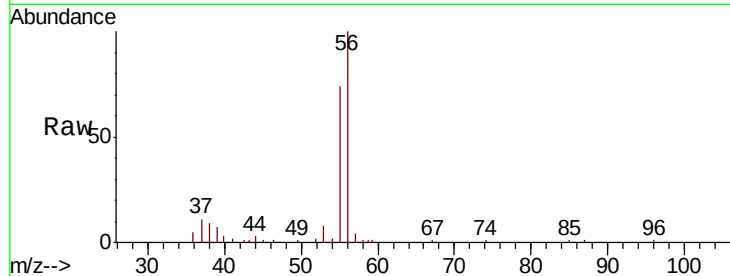
#13
Acrolein
Concen: 267.570 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
ICVVN110518

Tot Ion	56	55	Ratio	Lower	Upper
63471	100	70.7		56.6	84.8

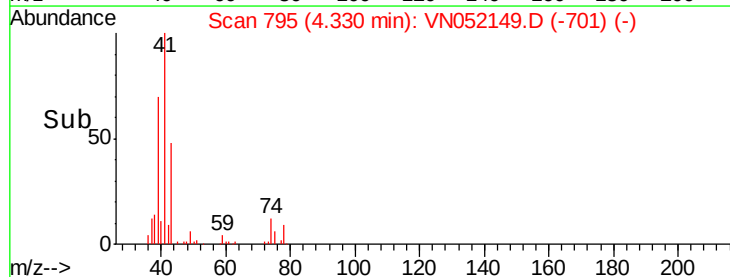
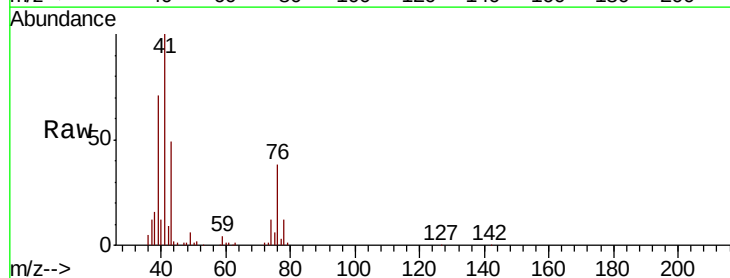
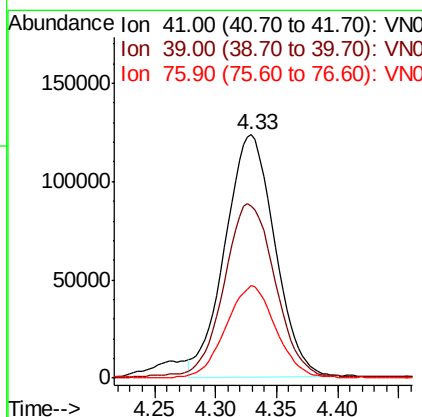
Manual Integrations
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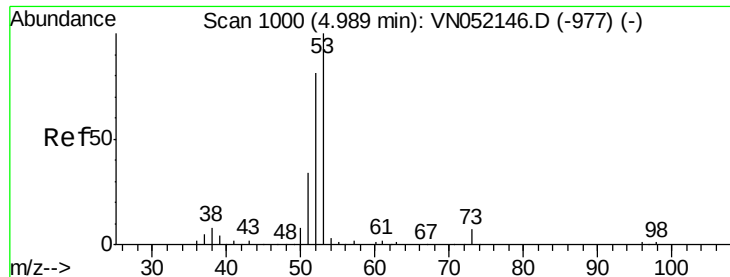
MMDadoda
11/6/2018 10:00:07 AM



#14
Allyl chloride
Concen: 50.017 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	41	39	76	Ratio	Lower	Upper
348486	100	74.6	37.9		55.3	82.9
					27.8	41.8





#15

Acrylonitrile

Concen: 254.817 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

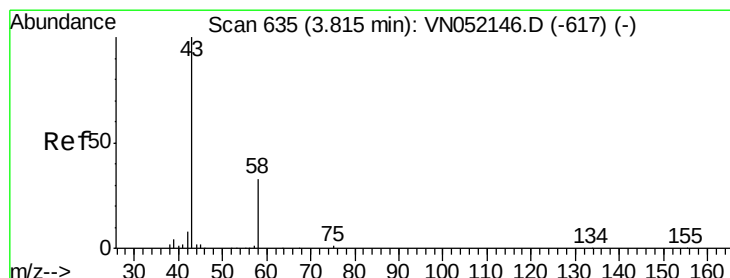
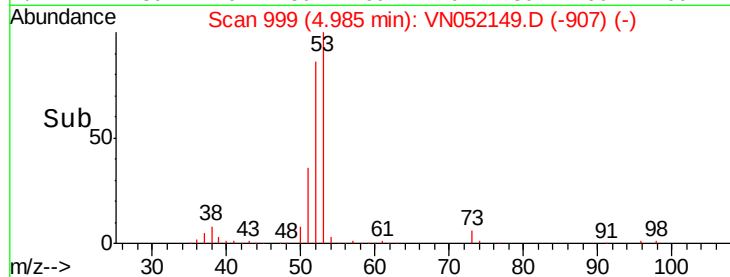
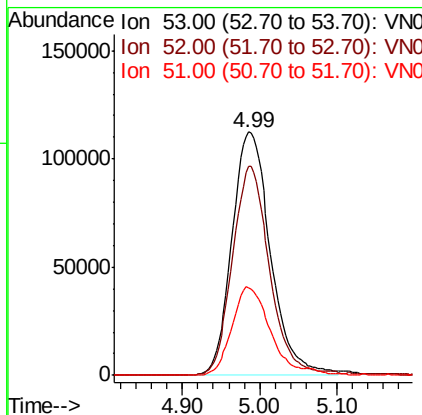
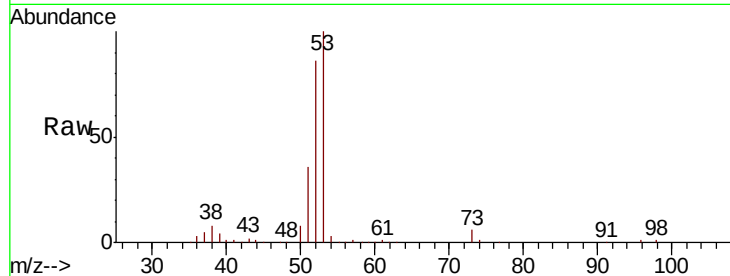
ClientSampleId :

ICVVN110518

Tot Ion:	53	Resp:	389678
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.5	99.7
51	35.3	29.2	43.8

Manual Integrations
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11/6/2018 10:00:07 AM



#16

Acetone

Concen: 244.308 ug/l

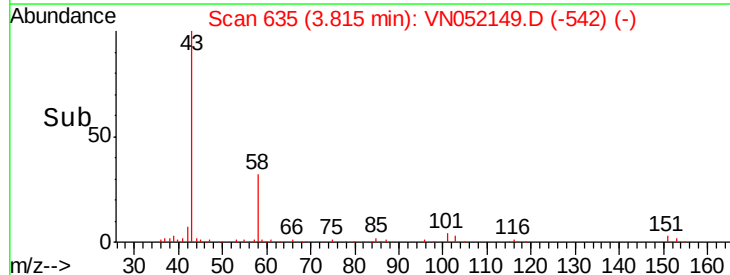
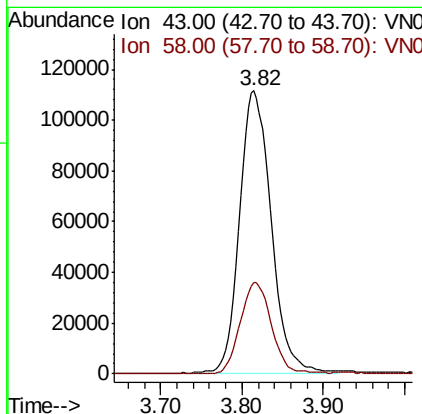
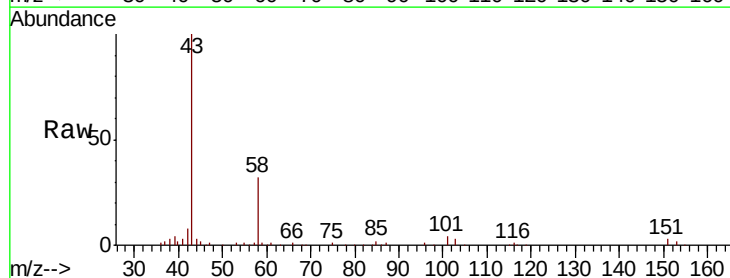
RT: 3.82 min Scan# 635

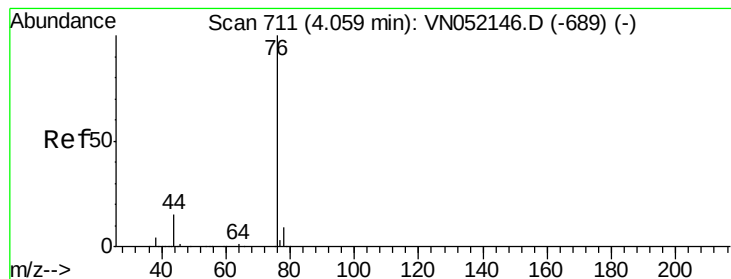
Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Tgt Ion:	43	Resp:	297424
Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.2	39.2





#17

Carbon Disulfide

Concen: 52.172 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110518

Tot Ion: 76 Resp: 621514

Ion Ratio Lower Upper

76 100

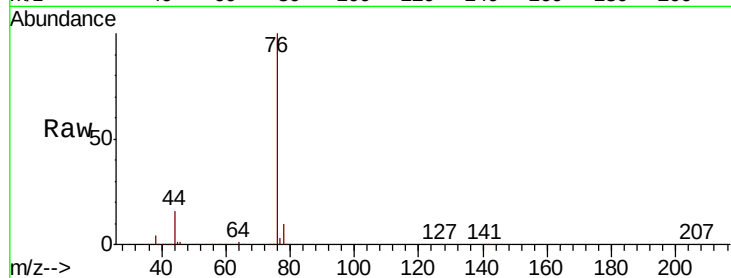
78 9.5 7.0 10.6

Manual Integrations

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11/6/2018 10:00:07 AM



Abundance Ion 75.90 (75.60 to 76.60): VN052149.D (-618) (-)

Ion 77.90 (77.60 to 78.60): VN052149.D (-618) (-)

4.06

250000

200000

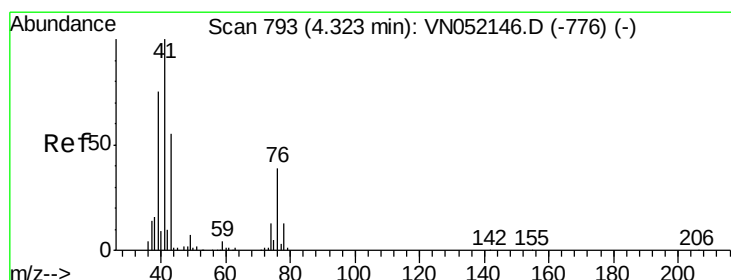
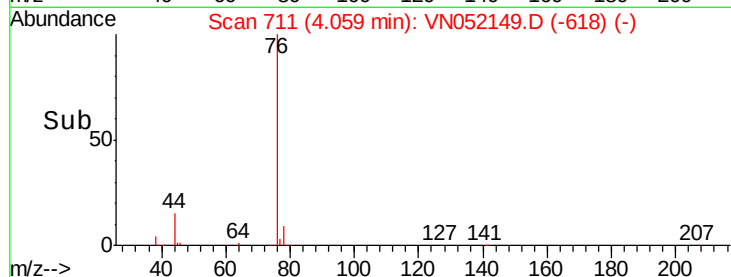
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.467 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052149.D

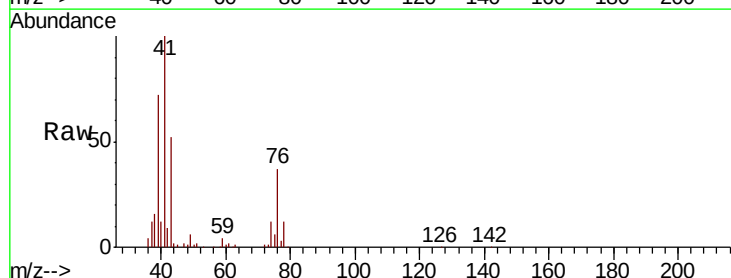
Acq: 5 Nov 2018 15:22

Tgt Ion: 43 Resp: 179766

Ion Ratio Lower Upper

43 100

74 22.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN052149.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN052149.D (-700) (-)

4.33

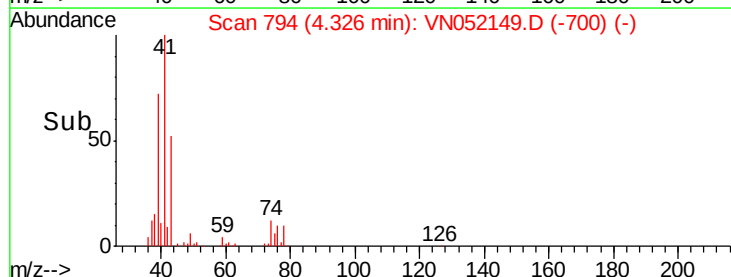
60000

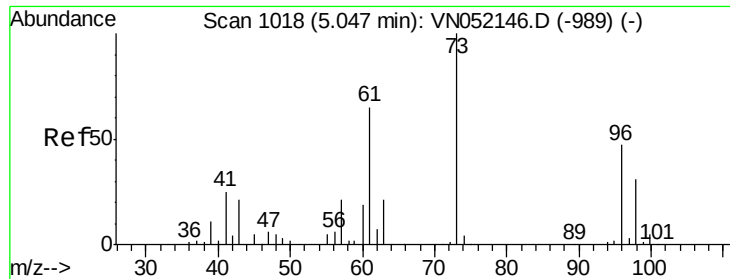
40000

20000

0

Time-->





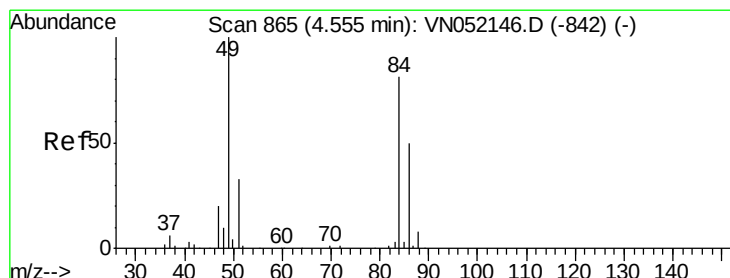
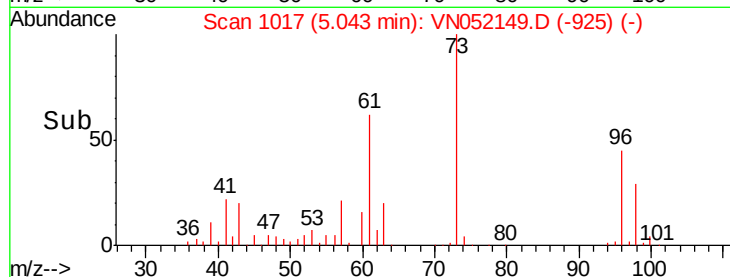
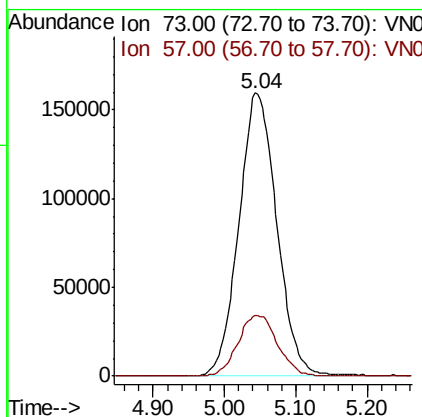
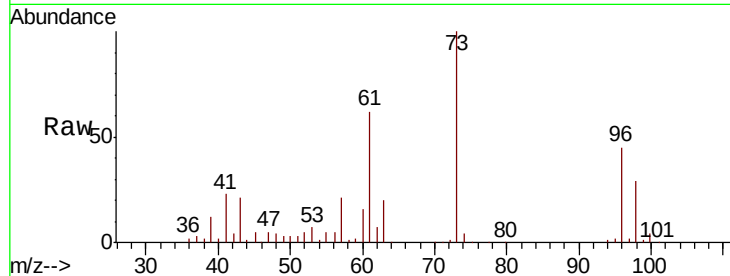
#19
Methyl tert-butyl Ether
Concen: 51.292 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion: 73 Resp: 589279
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2

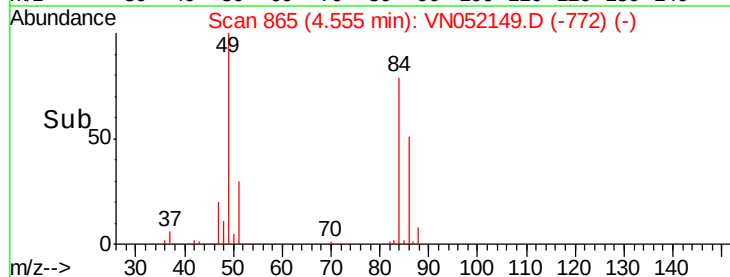
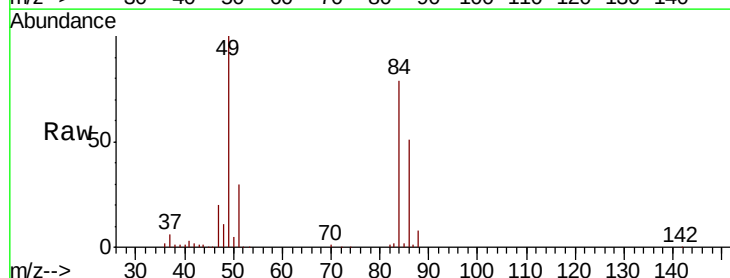
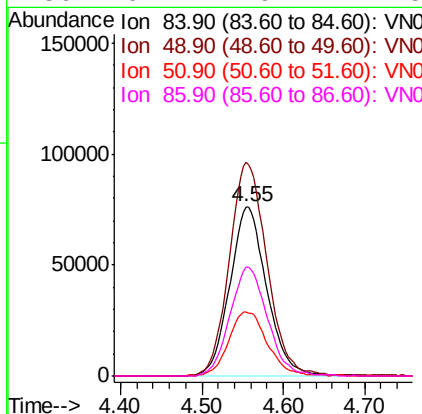
Manual Integrations
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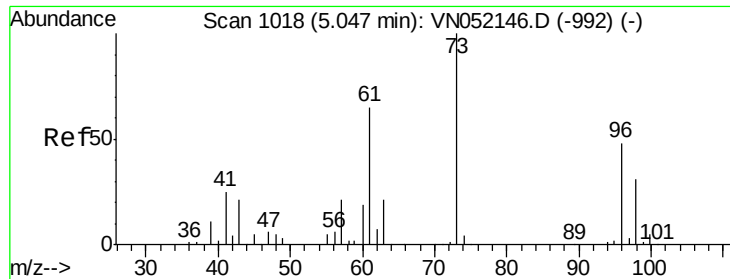
MMDadoda
11/6/2018 10:00:07 AM



#20
Methylene Chloride
Concen: 47.437 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion: 84 Resp: 239958
Ion Ratio Lower Upper
84 100
49 126.1 98.4 147.6
51 37.1 32.5 48.7
86 64.2 49.7 74.5





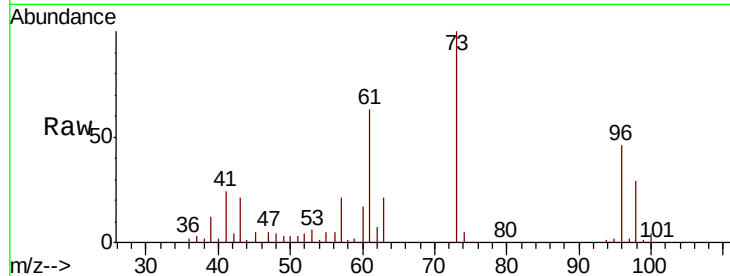
#21
trans-1,2-Dichloroethene
Concen: 50.477 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.4	109.6	164.4
98	64.3	52.0	78.0

Manual Integrations
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MMDadoda
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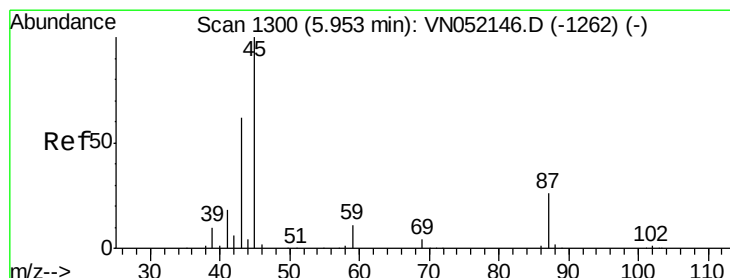
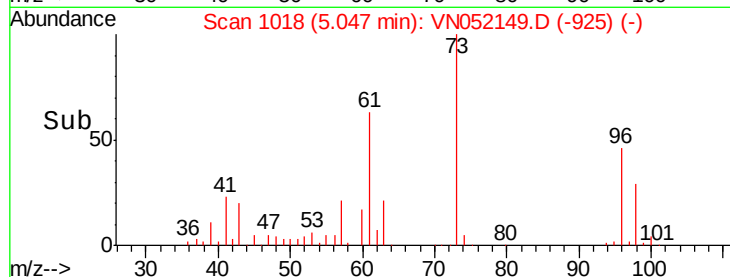
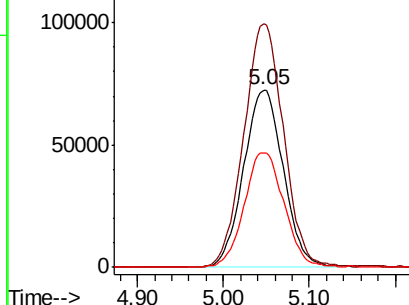


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 50.062 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.1	49.8	74.6
87	27.8	21.1	31.7
59	10.8	8.9	13.3

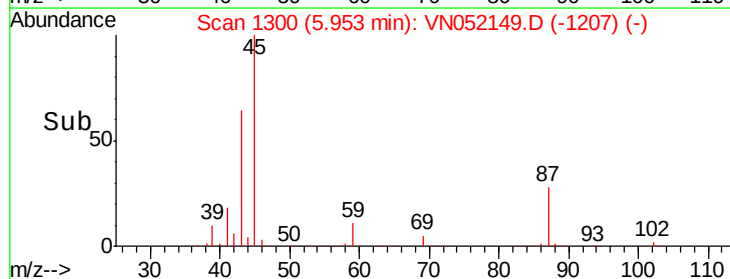
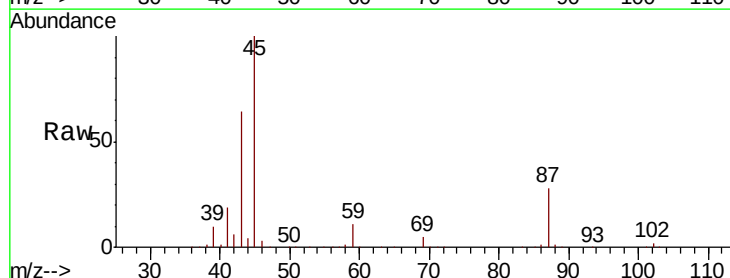
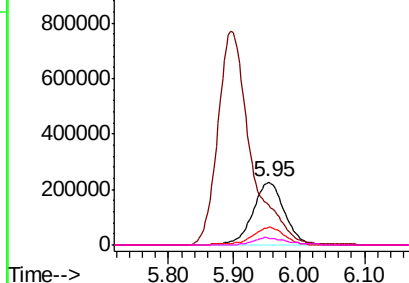
Abundance

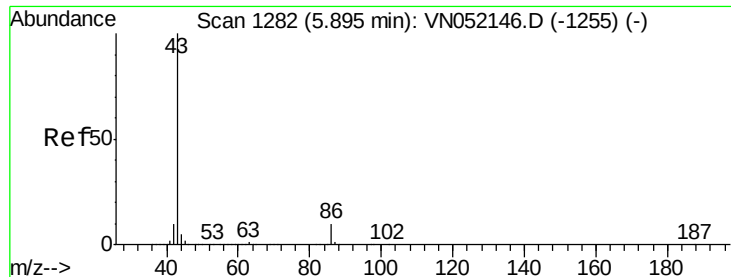
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 266.411 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110518

Tot Ion: 43 Resp: 2691529

Ion Ratio Lower Upper

43 100

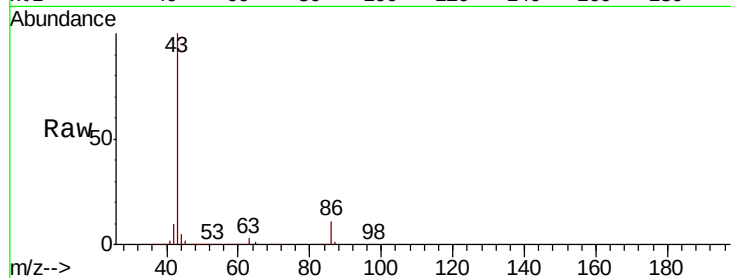
86 10.5 7.9 11.9

Manual Integrations

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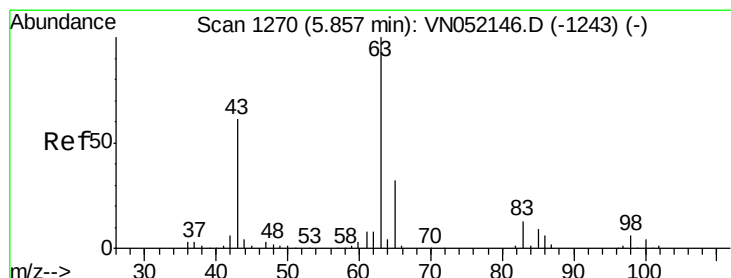
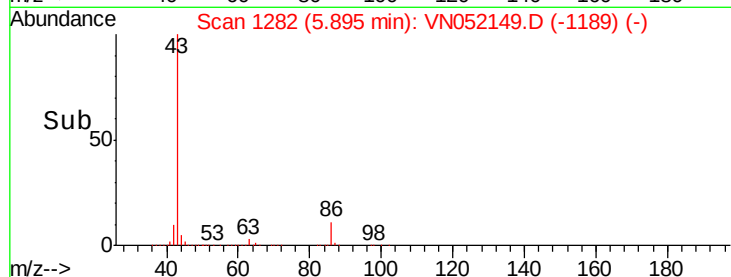
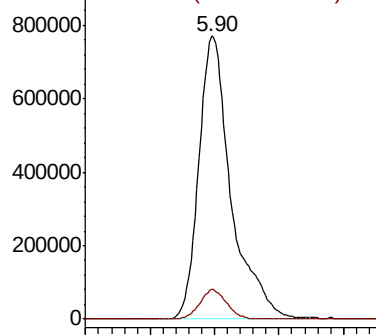
MMDadoda

11/6/2018 10:00:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.424 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

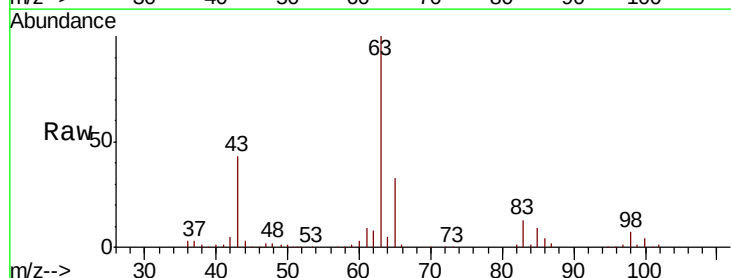
Tgt Ion: 63 Resp: 429183

Ion Ratio Lower Upper

63 100

98 7.3 3.1 9.4

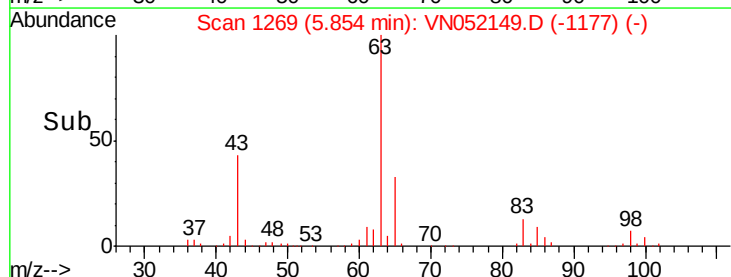
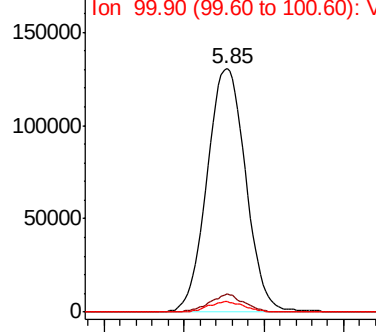
100 4.4 2.1 6.2

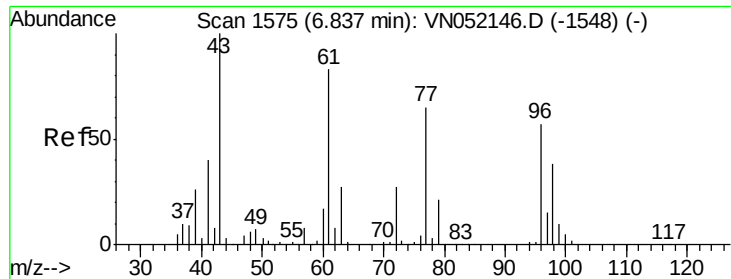


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





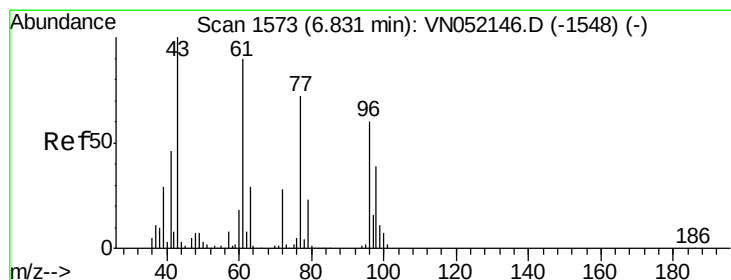
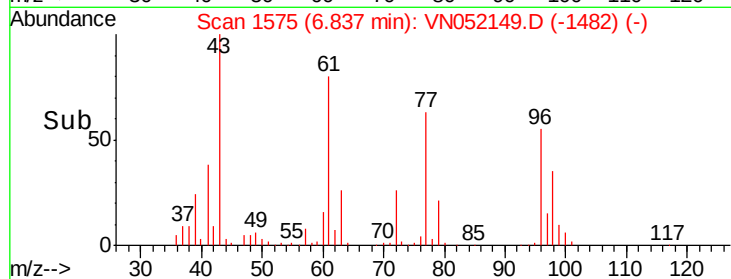
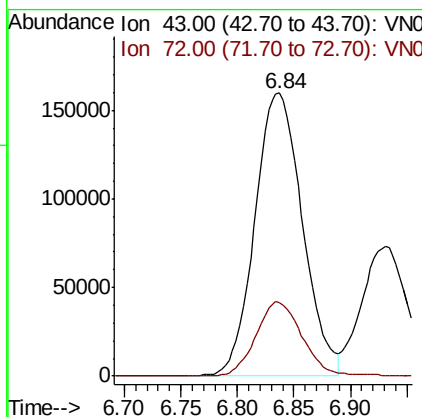
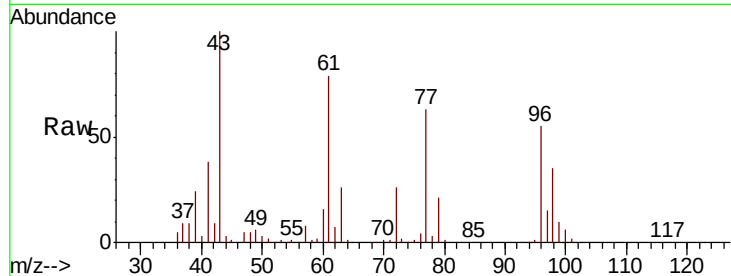
#25
2-Butanone
Concen: 246.056 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion: 43 Resp: 464497
Ion Ratio Lower Upper
43 100
72 25.9 21.4 32.2

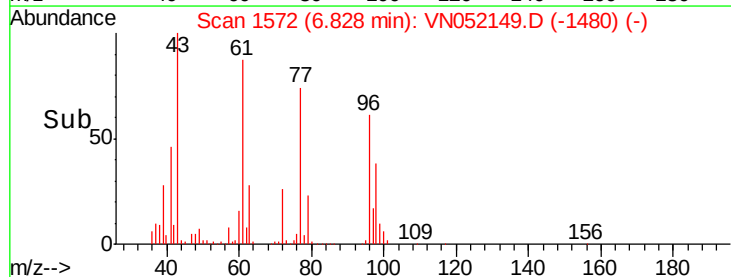
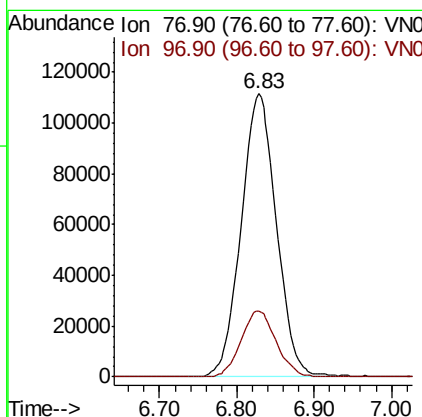
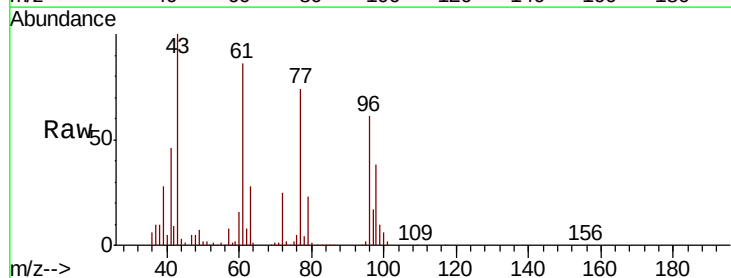
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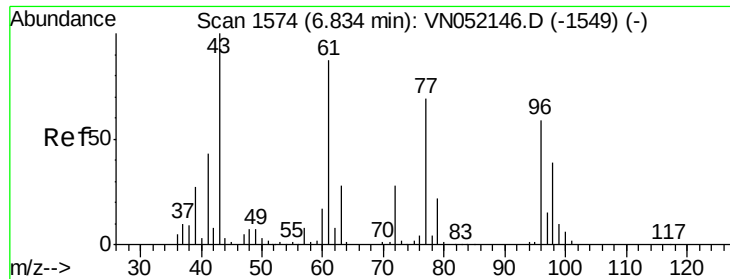
MMDadoda
11/6/2018 10:00:07 AM



#26
2,2-Dichloropropane
Concen: 52.121 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion: 77 Resp: 354222
Ion Ratio Lower Upper
77 100
97 23.2 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 50.792 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

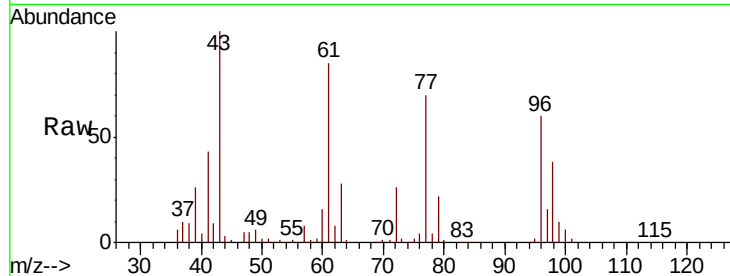
ClientSampleId :

ICVVN110518

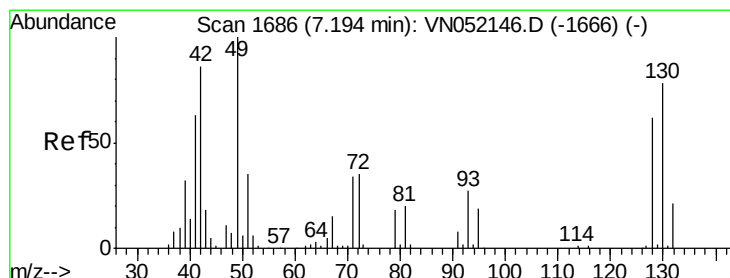
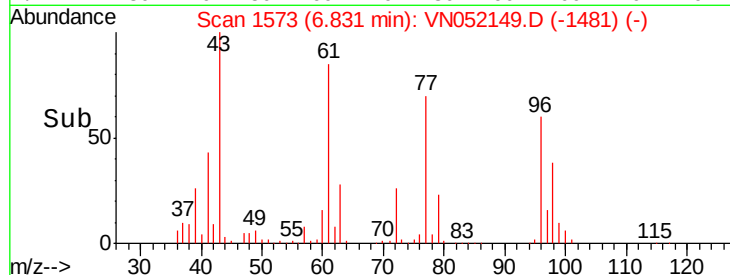
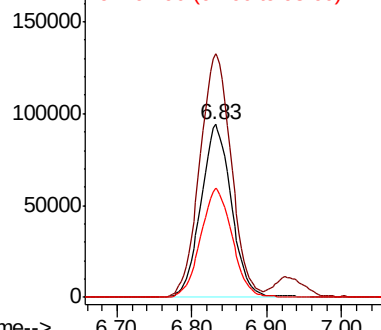
Tot Ion:	96	Resp:	267496
Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	291.8
98	64.6	0.0	130.0

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Abundance Ion 95.90 (95.60 to 96.60): VN052149.D (-1549) (-)



#28

Bromochloromethane

Concen: 51.337 ug/l

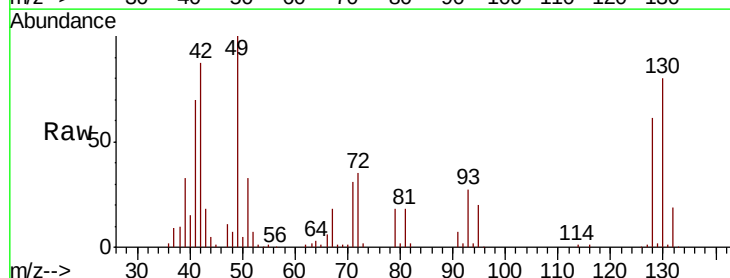
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

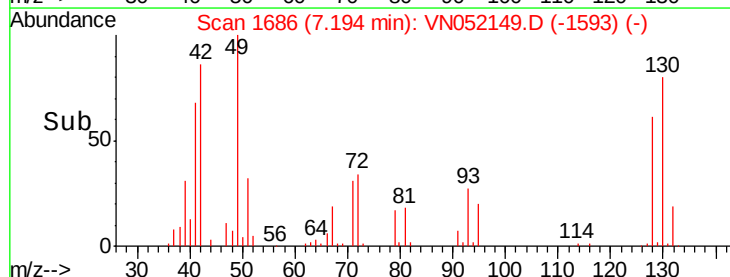
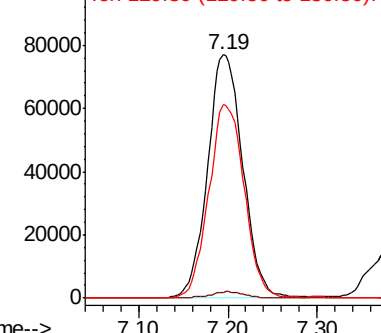
Lab File: VN052149.D

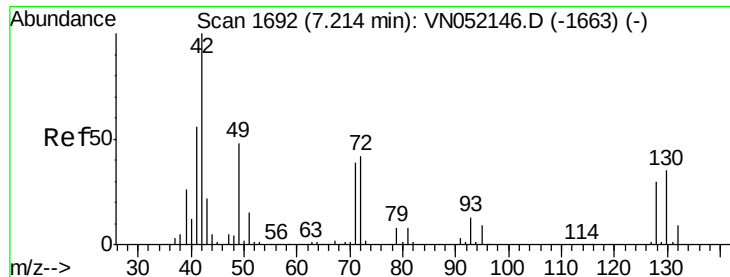
Acq: 5 Nov 2018 15:22

Tgt Ion:	49	Resp:	210919
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	79.9	59.8	89.6



Abundance Ion 48.90 (48.60 to 49.60): VN052149.D (-1593) (-)





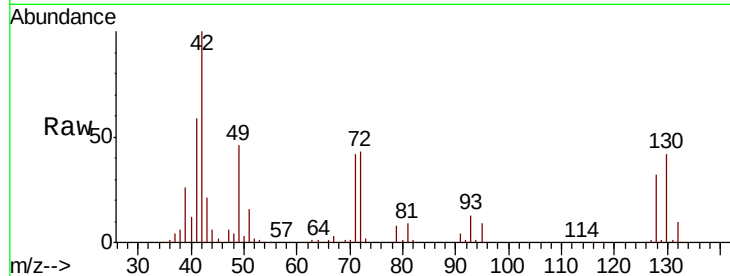
#29
Tetrahydrofuran
Concen: 256.877 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

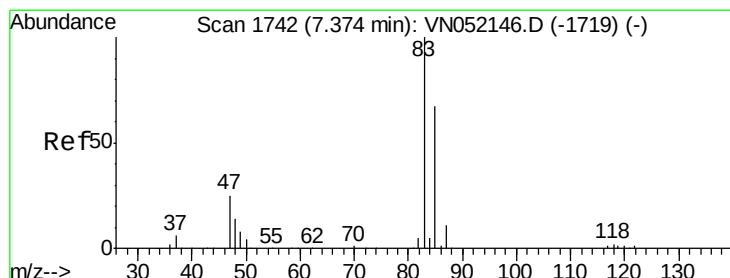
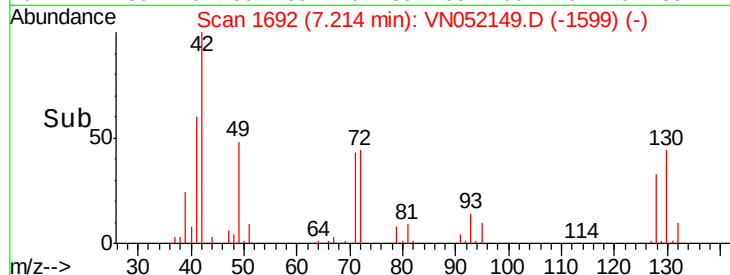
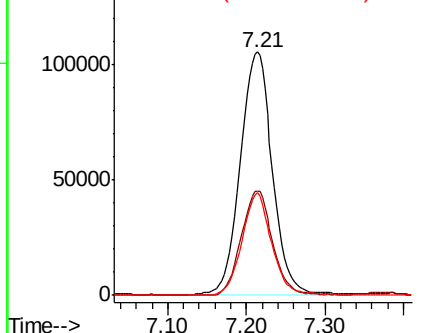
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.3	48.5
71	38.8	31.0	46.6

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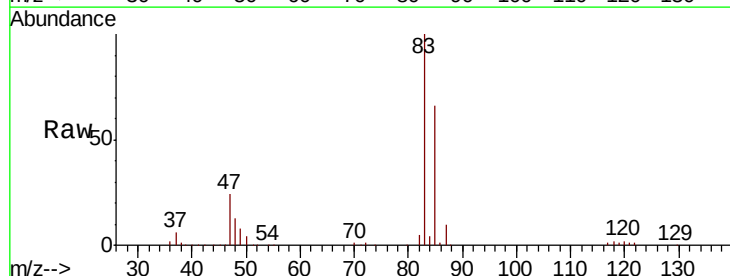


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

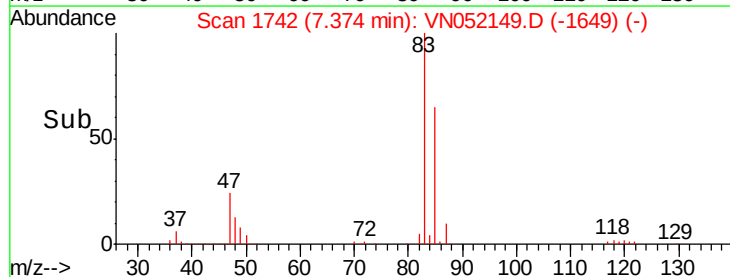
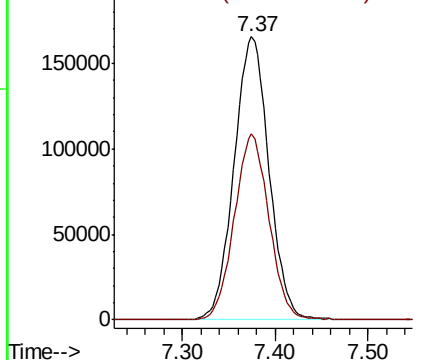


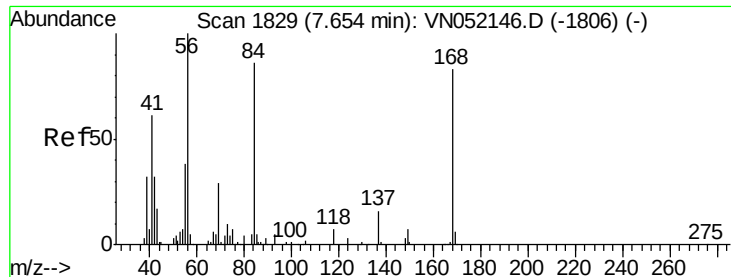
#30
Chloroform
Concen: 49.957 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.7	80.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 50.085 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

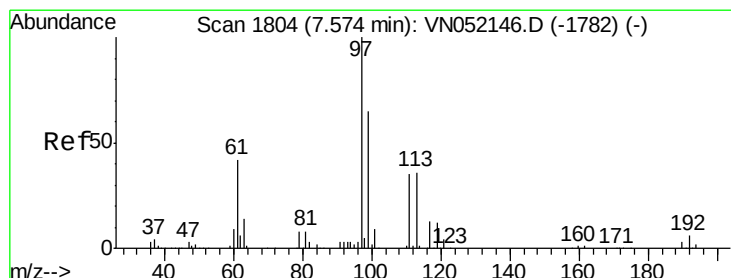
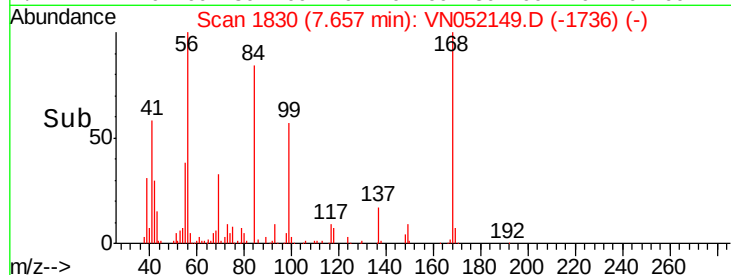
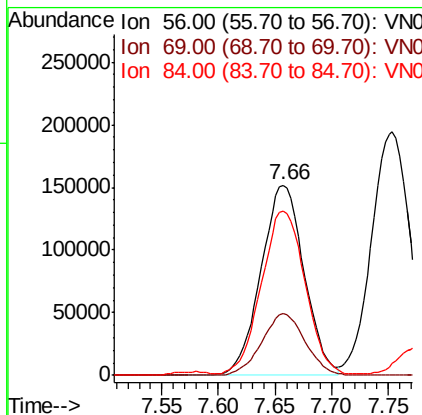
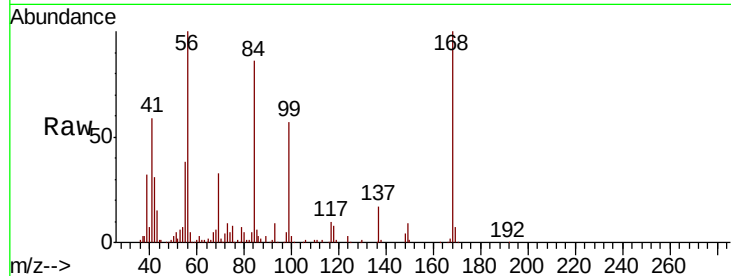
ClientSampled :

ICVVN110518

Tot Ion	56	Resp	401276
Ion	Ratio	Lower	Upper
56	100		
69	32.8	23.5	35.3
84	85.0	68.7	103.1

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#32

1,1,1-Trichloroethane

Concen: 49.990 ug/l

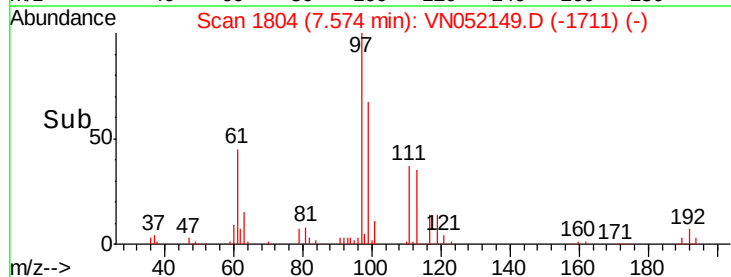
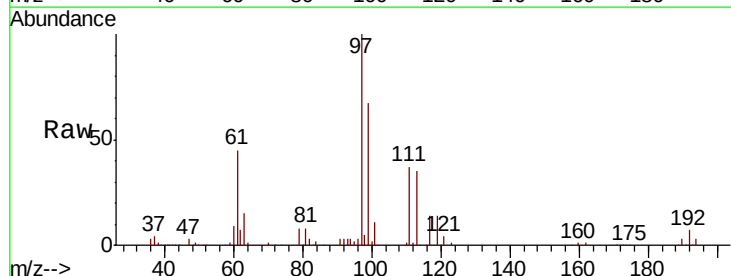
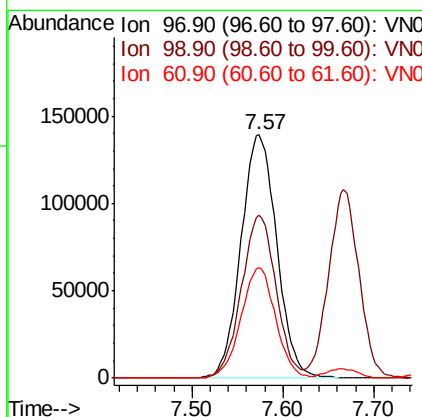
RT: 7.57 min Scan# 1804

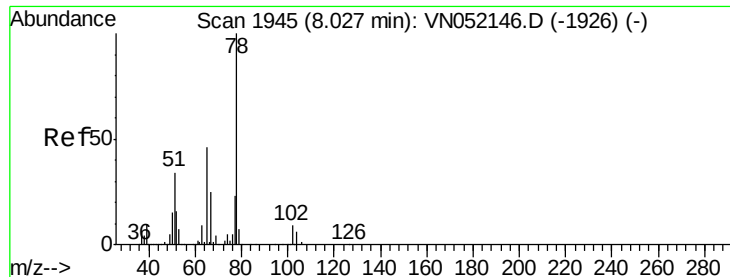
Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Tgt Ion	97	Resp	381065
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	43.8	35.1	52.7





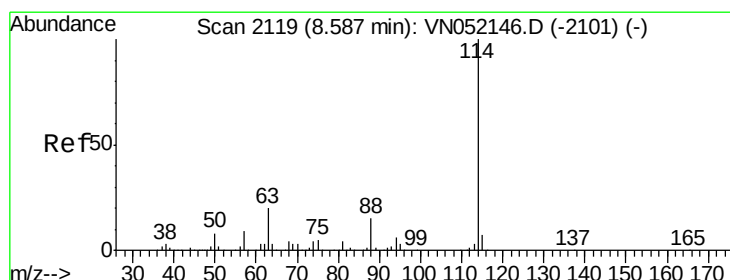
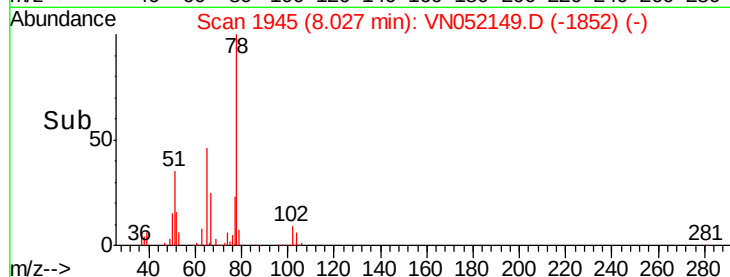
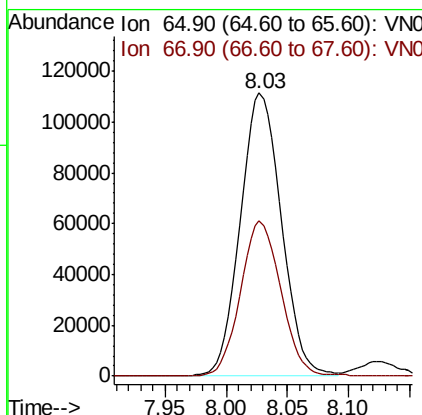
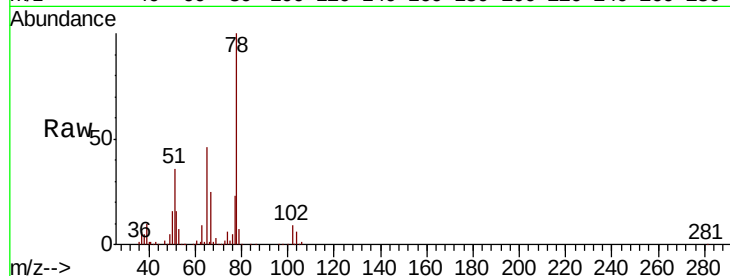
#33
 1,2-Dichloroethane-d4
 Concen: 49.990 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110518

Tot Ion	Ratio	Resp	Lower	Upper
65	100	259533		
67	53.8	0.0	107.6	

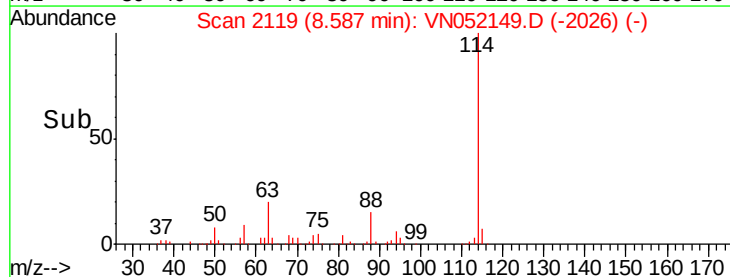
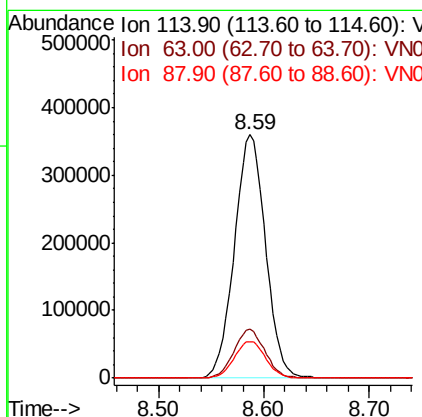
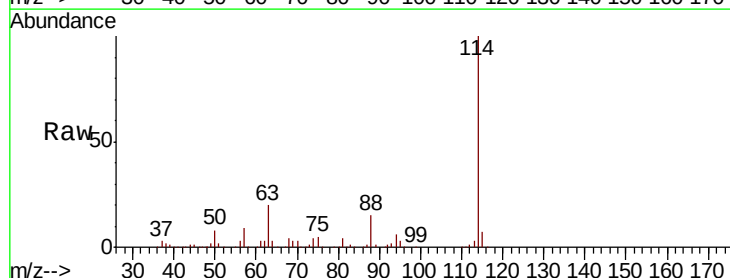
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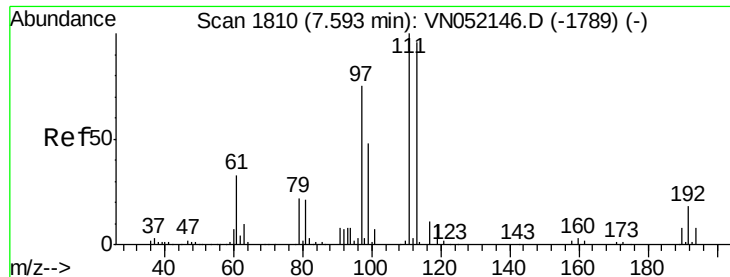
MMDadoda
 11/6/2018 10:00:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	737883		
63	20.1	0.0	40.0	
88	15.0	0.0	31.0	





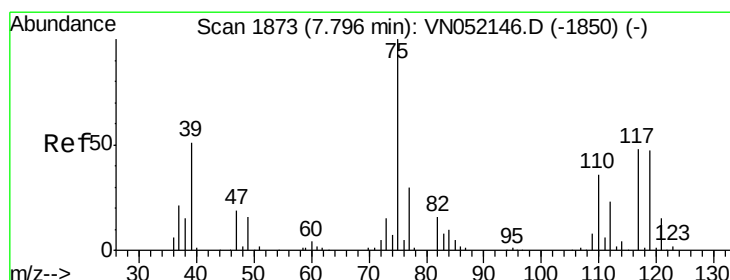
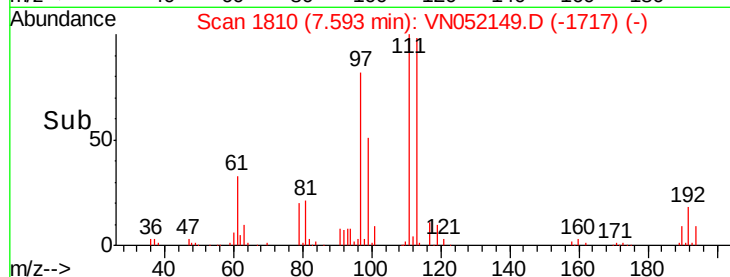
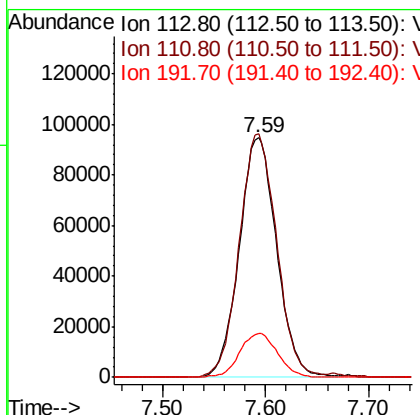
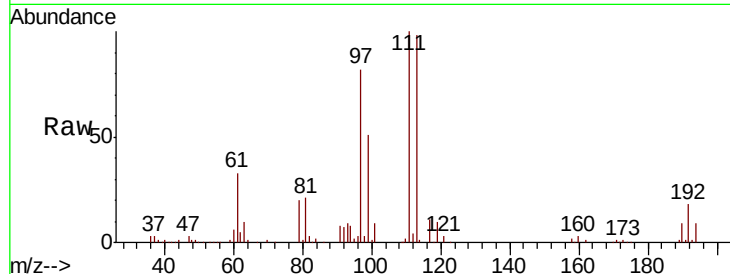
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110518

Tot Ion	Ratio	Resp	Lower	Upper
113	100	238951		
111	101.1	81.7	122.5	
192	18.6	14.2	21.4	

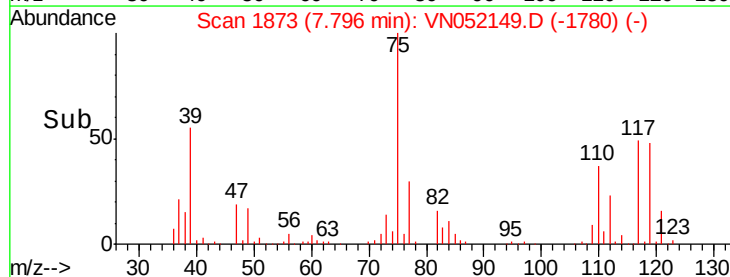
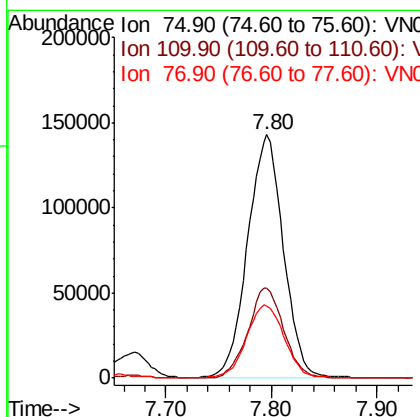
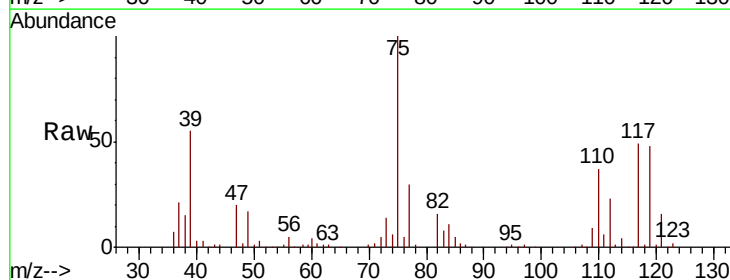
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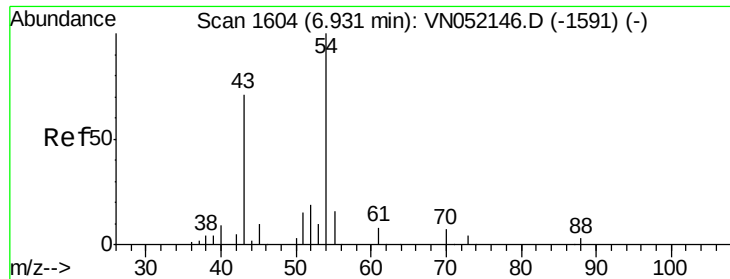
MMDadoda
 11/6/2018 10:00:07 AM



#36
 1,1-Dichloropropene
 Concen: 51.496 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	336143		
110	37.2	17.8	53.5	
77	32.0	24.0	36.0	





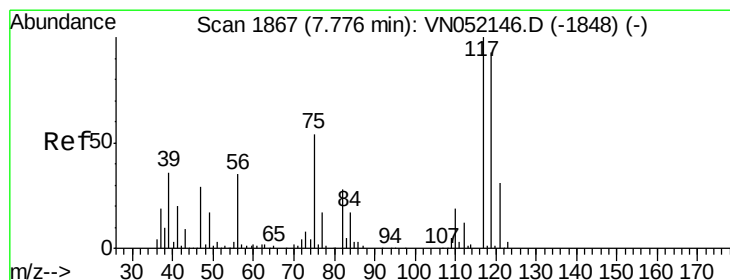
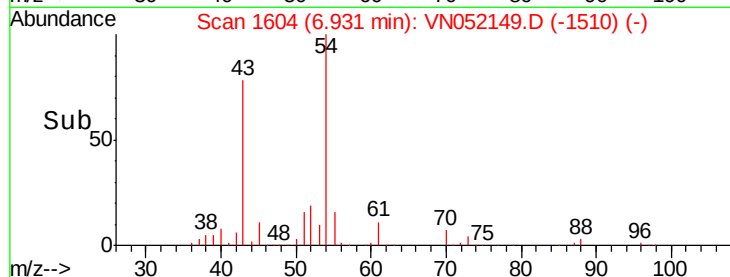
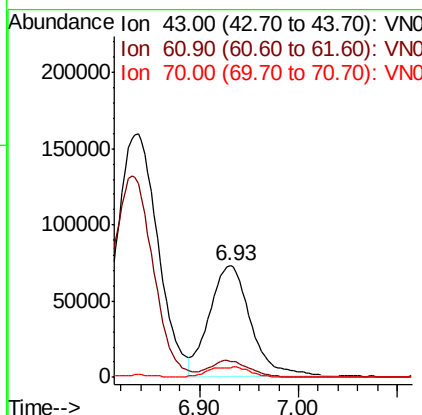
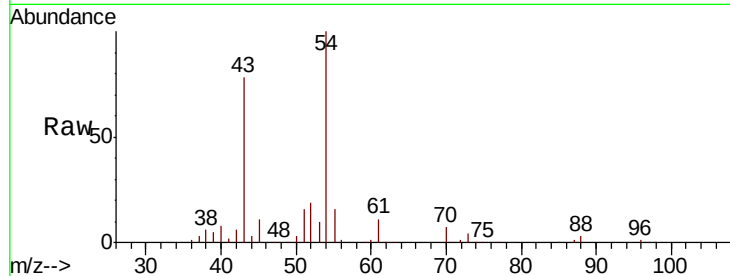
#37
Ethyl Acetate
Concen: 52.780 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	9.4	14.2
70	4.2	7.6	11.4

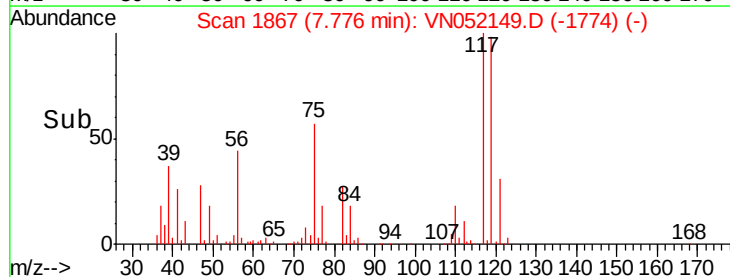
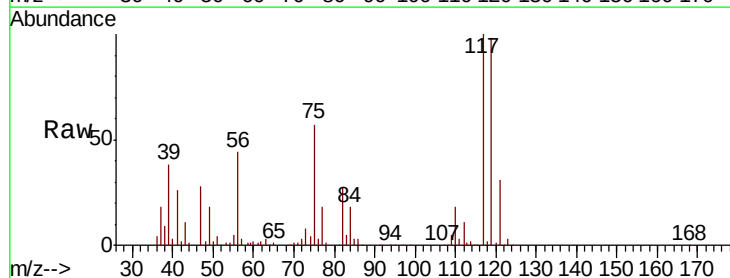
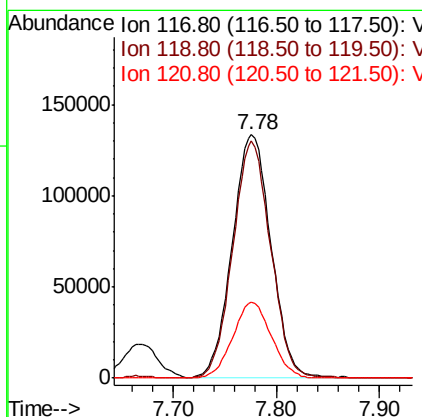
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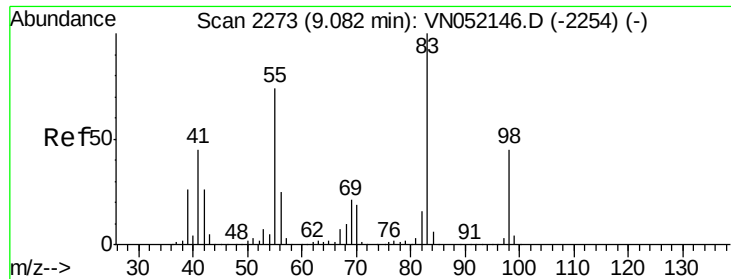
MMDadoda
11/6/2018 10:00:07 AM



#38
Carbon Tetrachloride
Concen: 53.102 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	74.7	112.1
121	31.3	24.5	36.7





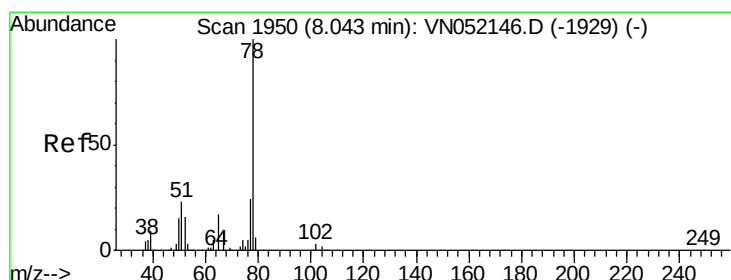
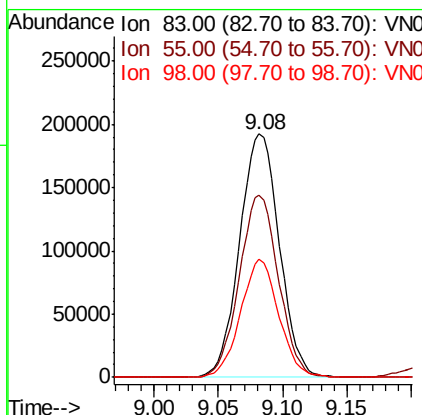
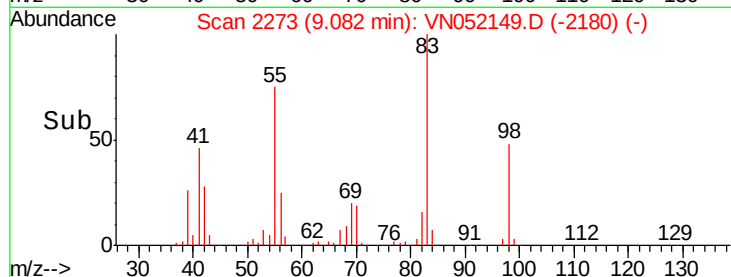
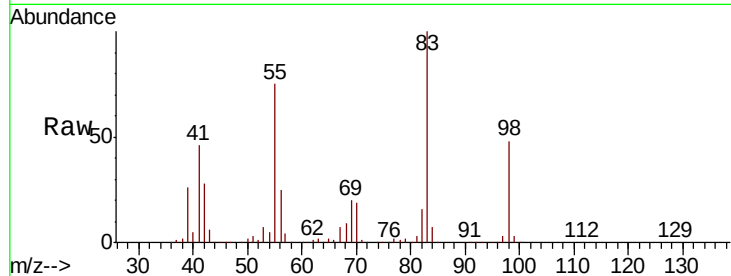
#39
Methylvlcyclohexane
Concen: 53.484 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
ICVVN110518

Tot Ion	83.00	Resp	413468
Ion Ratio	100	Lower	Upper
83	100		
55	75.0	59.4	89.2
98	48.4	36.3	54.5

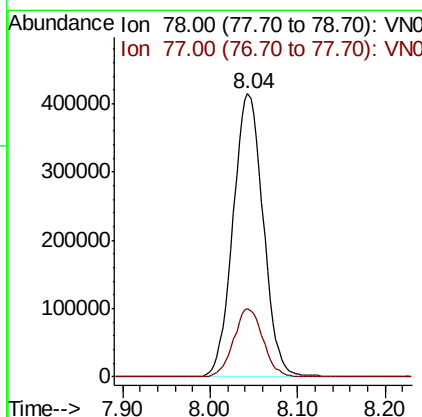
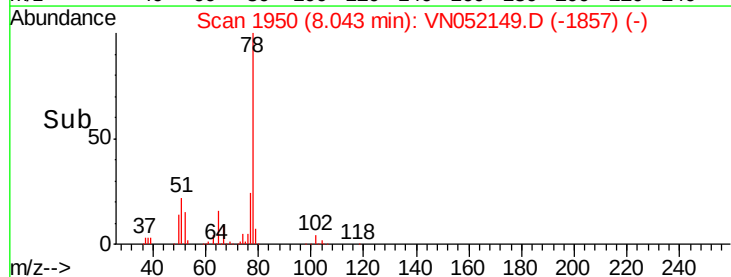
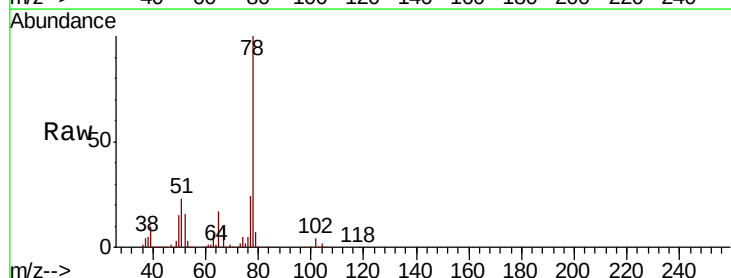
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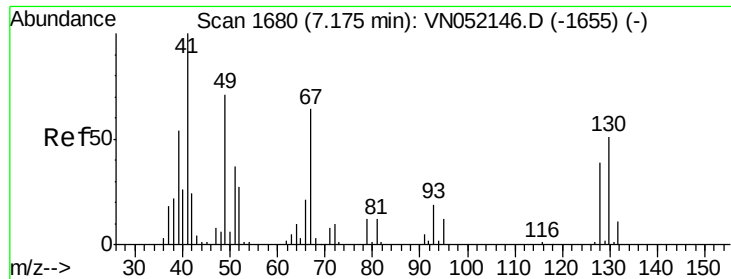
MMDadoda
11/6/2018 10:00:07 AM



#40
Benzene
Concen: 51.670 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	78.00	Resp	991498
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.1	28.7





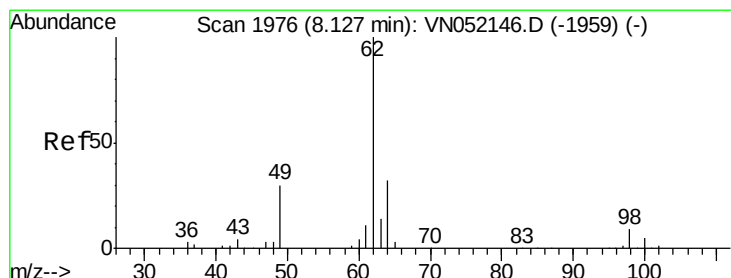
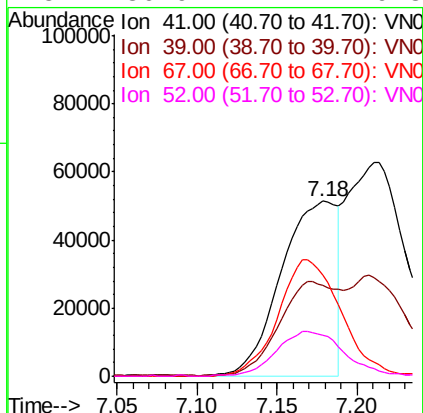
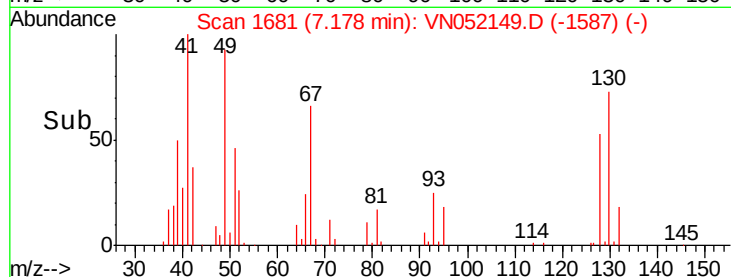
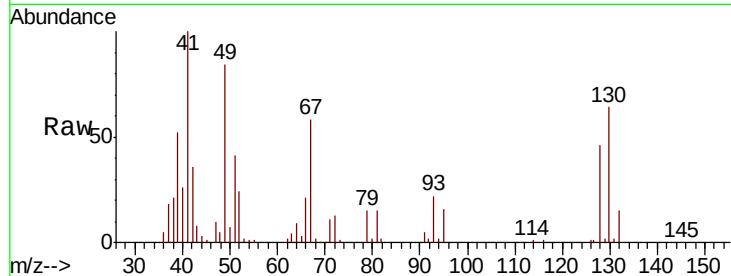
#41
Methacrylonitrile
Concen: 55.742 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.1	49.6	74.4
67	74.4	65.4	98.2
52	30.9	27.2	40.8

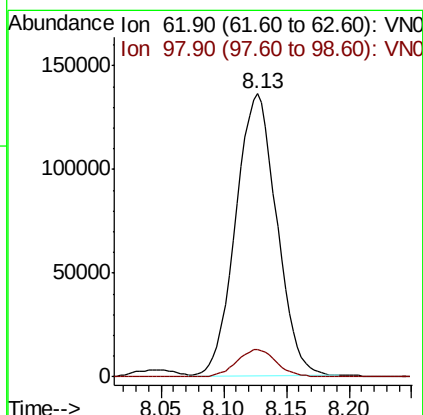
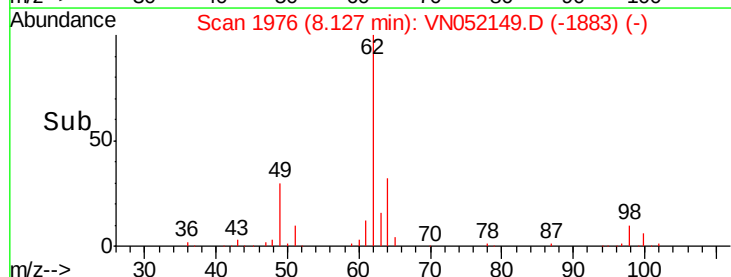
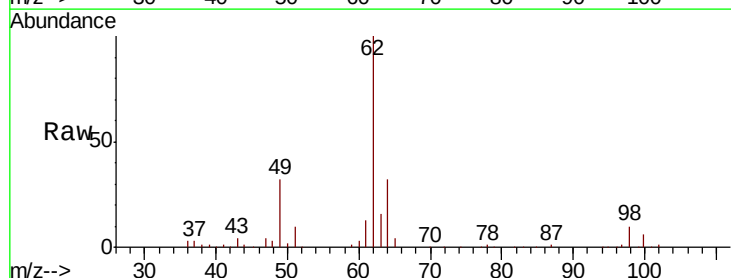
Manual Integrations
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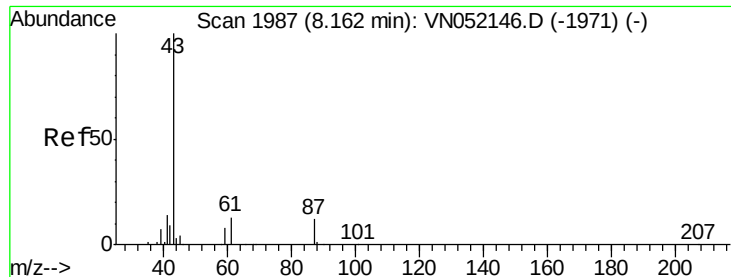
MMDadoda
11/6/2018 10:00:07 AM



#42
1,2-Dichloroethane
Concen: 50.202 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2





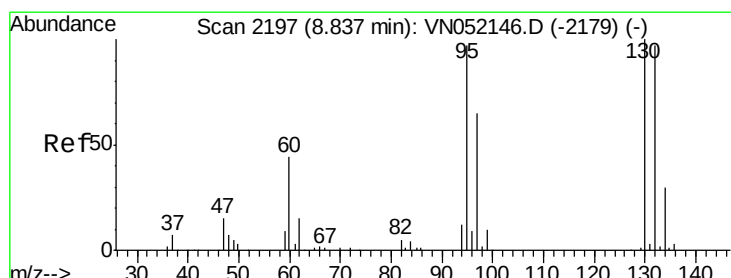
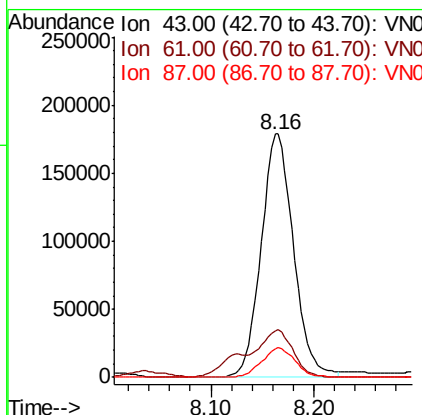
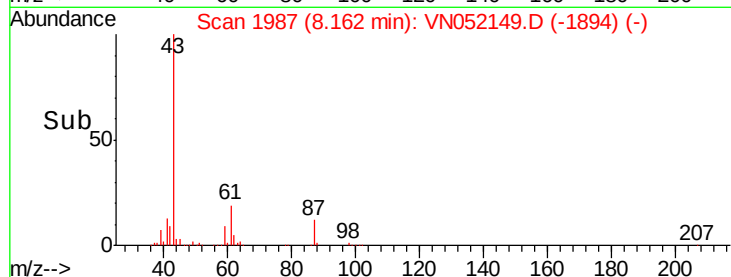
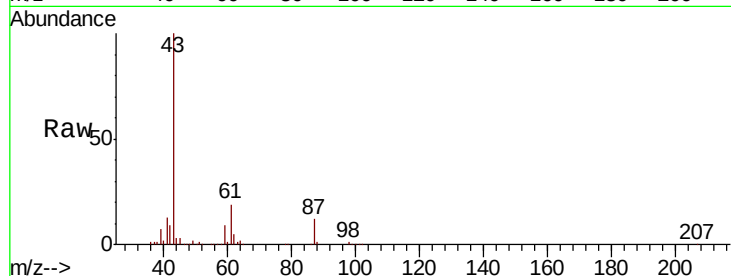
#43
Isopropyl Acetate
Concen: 52.365 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	21.5	32.3#
87	12.5	10.2	15.2

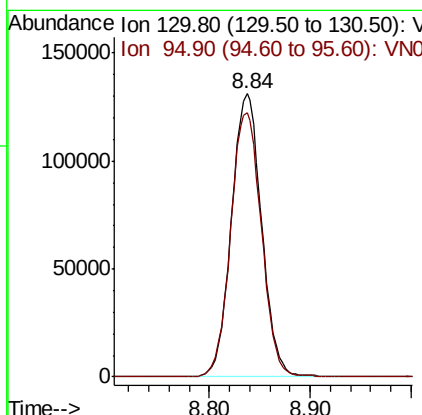
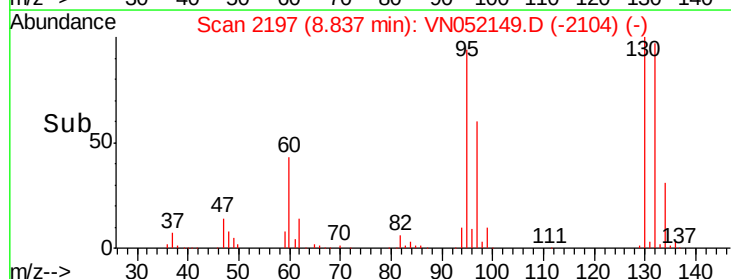
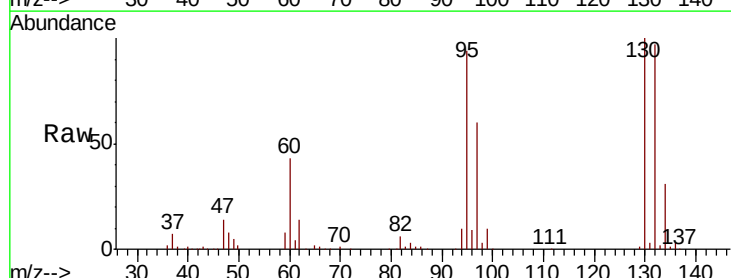
Manual Integrations
APPROVED

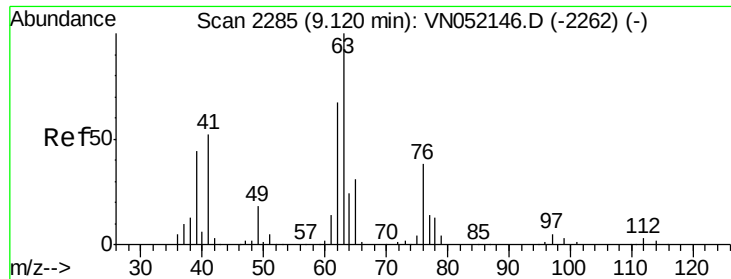
MMDadoda
11/6/2018 10:00:07 AM



#44
Trichloroethene
Concen: 53.532 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	193.8





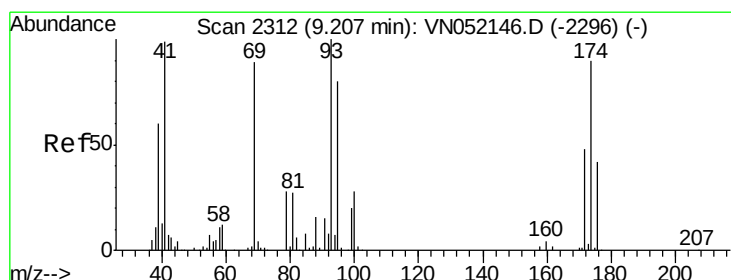
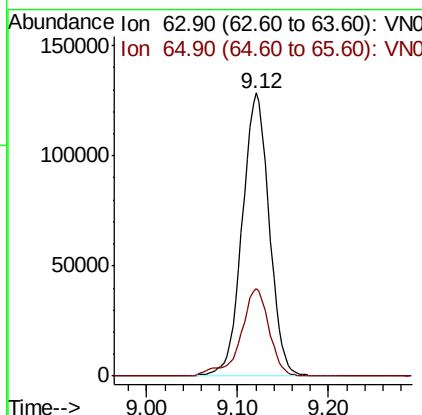
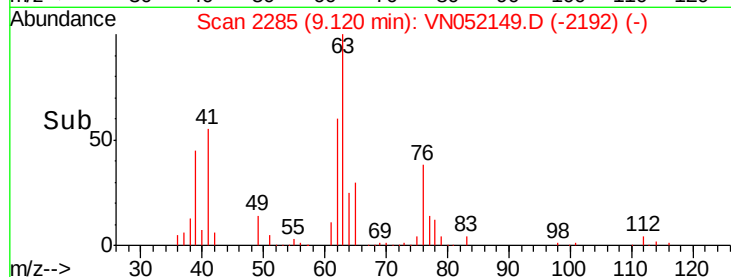
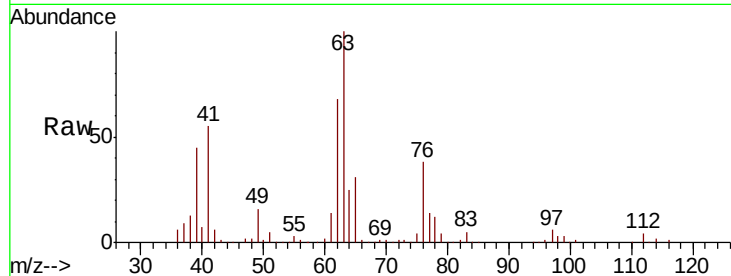
#45
 1,2-Dichloropropane
 Concen: 52.172 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110518

Tot Ion: 63 Resp: 265131
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.4 36.6

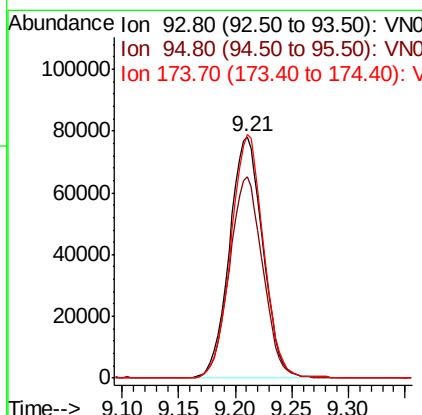
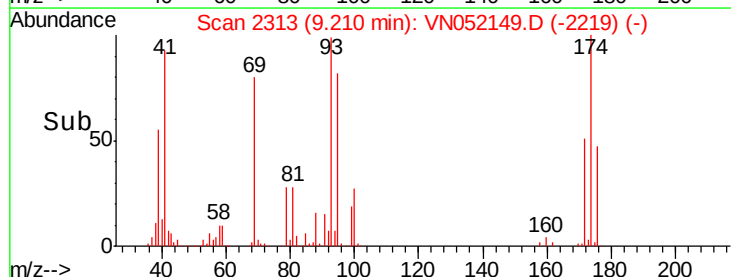
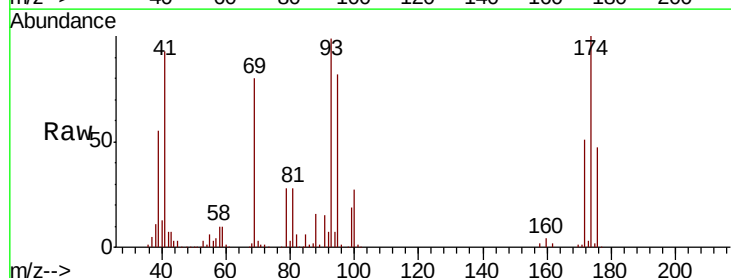
Manual Integrations
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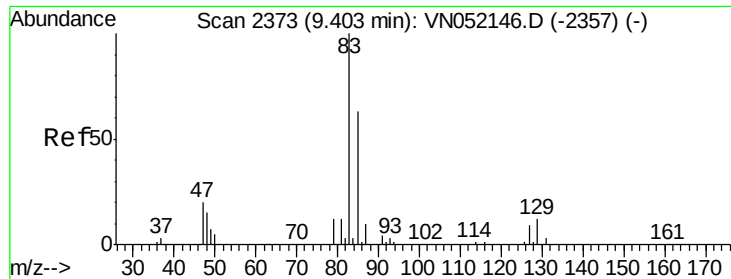
MMDadoda
 11/6/2018 10:00:07 AM



#46
 Dibromomethane
 Concen: 49.763 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Tgt Ion: 93 Resp: 160830
 Ion Ratio Lower Upper
 93 100
 95 83.1 64.5 96.7
 174 98.2 74.6 112.0





#47

Bromodichloromethane

Concen: 52.338 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

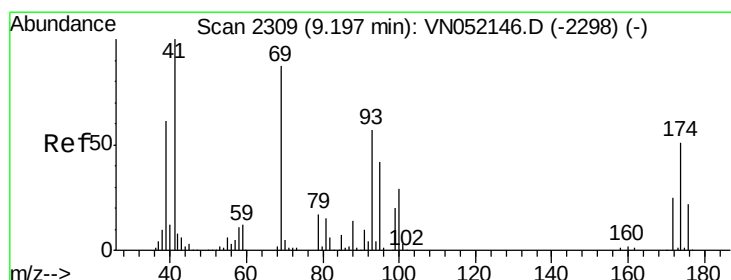
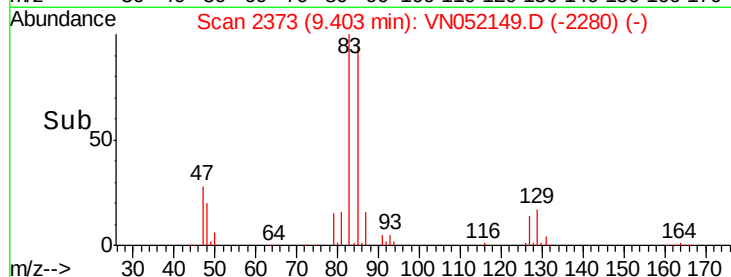
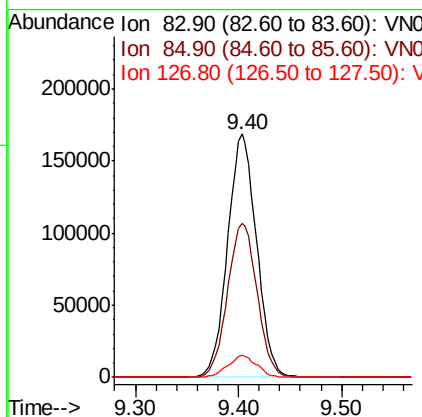
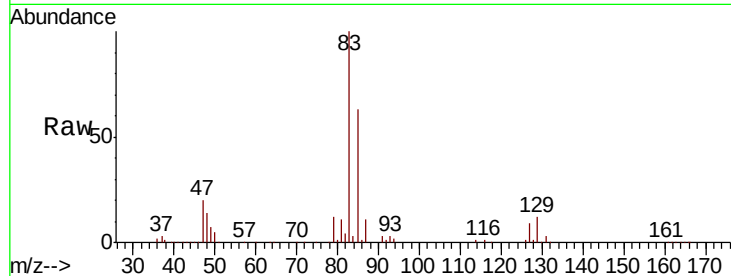
ClientSampled :

ICVVN110518

Tot Ion:	83	Resp:	329885
Ion Ratio	Lower	Upper	
83	100		
85	63.0	50.5	75.7
127	9.2	7.2	10.8

Manual Integrations
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MMDadoda
11/6/2018 10:00:07 AM



#48

Methyl methacrylate

Concen: 53.324 ug/l

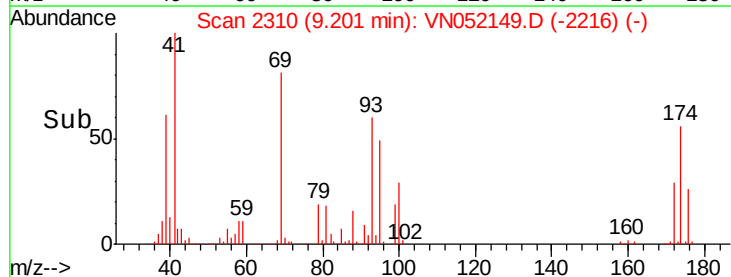
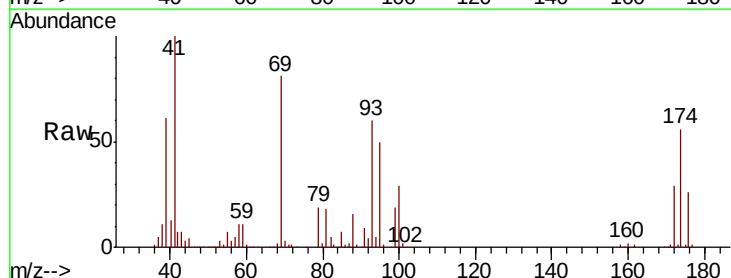
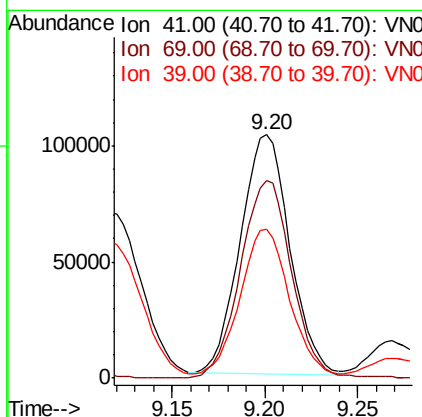
RT: 9.20 min Scan# 2310

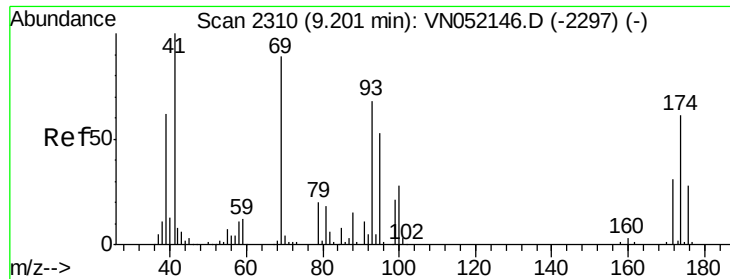
Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Tgt Ion:	41	Resp:	191147
Ion Ratio	Lower	Upper	
41	100		
69	85.7	69.7	104.5
39	62.9	50.6	76.0





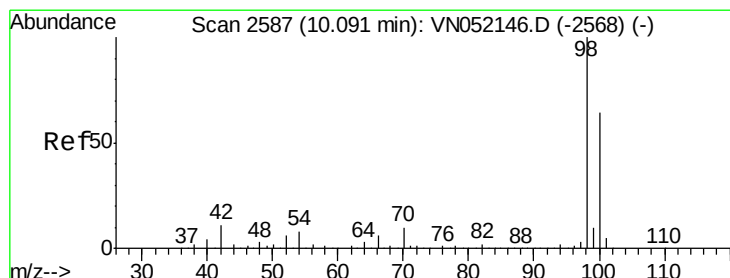
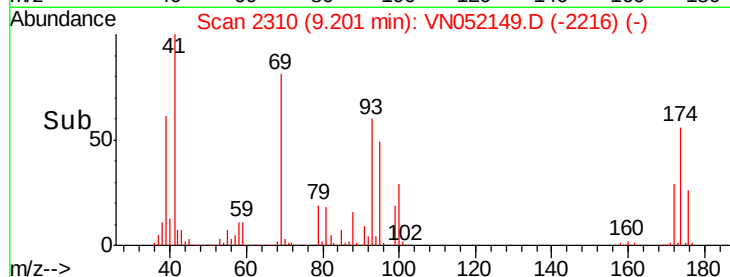
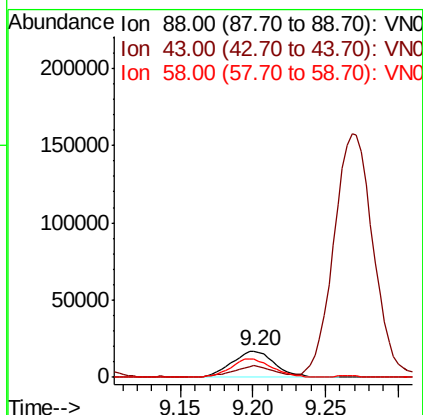
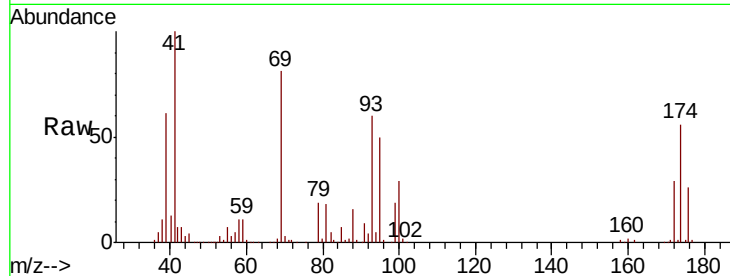
#49
1,4-Dioxane
Concen: 1156.516 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion	88	Resp	35115
Ion	Ratio	Lower	Upper
88	100		
43	38.0	33.0	49.6
58	68.4	58.6	88.0

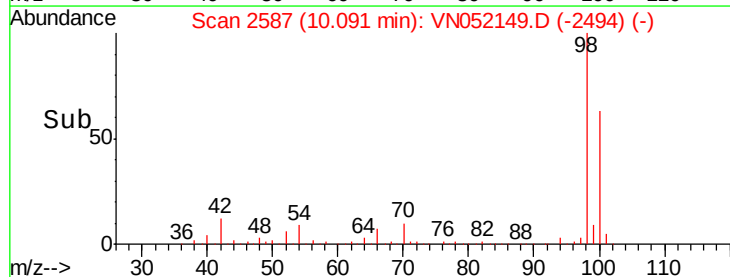
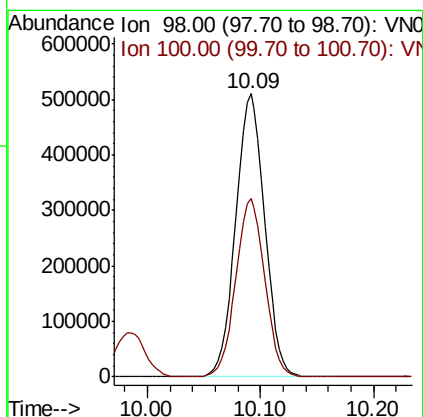
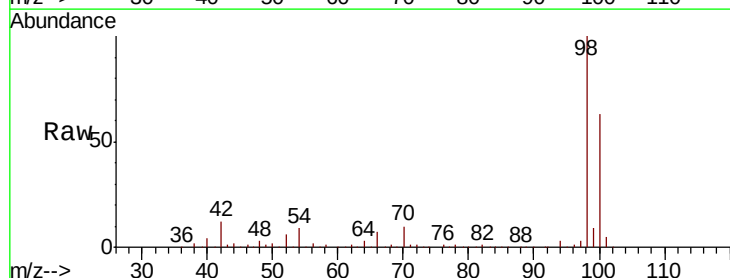
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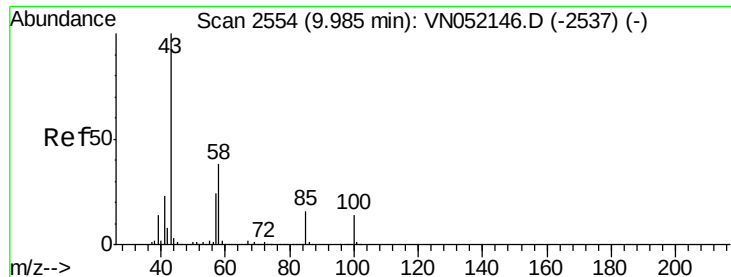
MMDadoda
11/6/2018 10:00:07 AM



#50
Toluene-d8
Concen: 1156.516 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	98	Resp	910738
Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.5	75.7





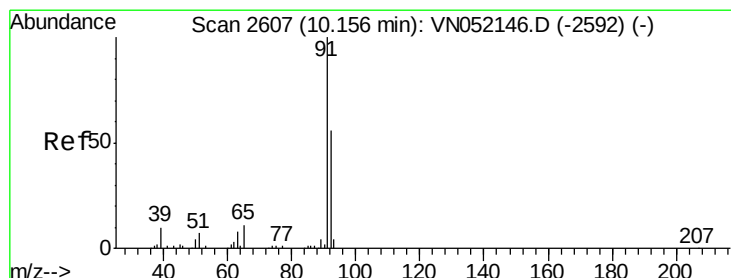
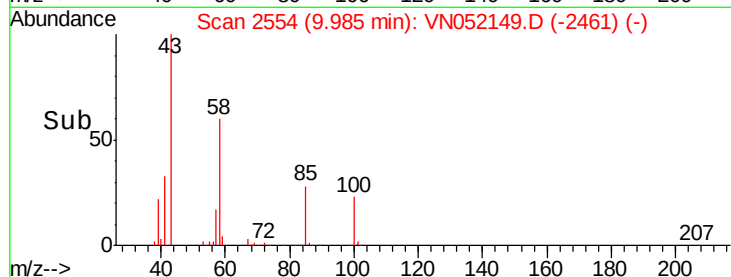
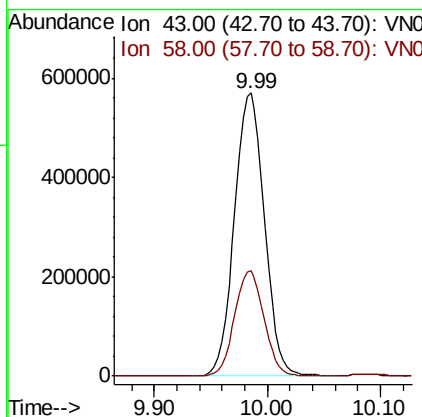
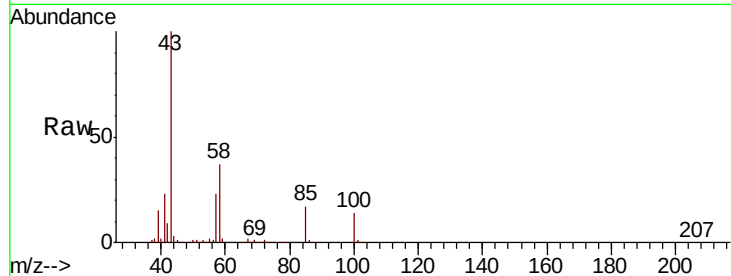
#51
 4-Methyl-2-Pentanone
 Concen: 267.879 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110518

Tot Ion: 43 Resp: 1054047
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.6 44.4

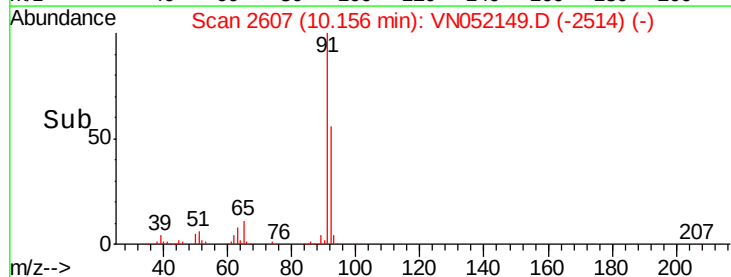
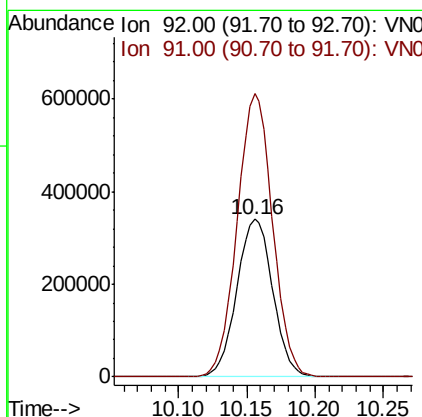
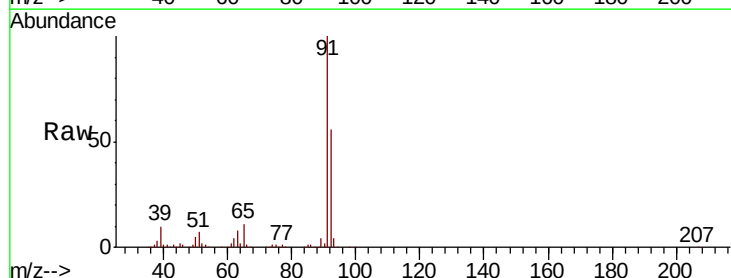
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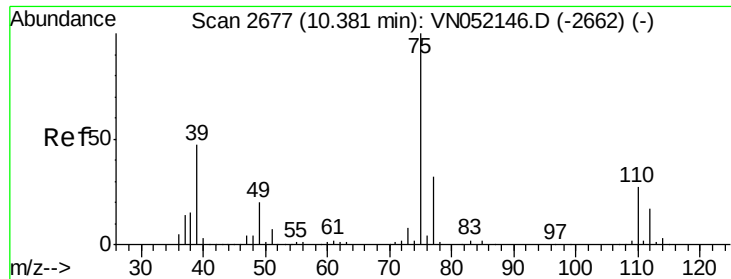
MMDadoda
 11/6/2018 10:00:07 AM



#52
 Toluene
 Concen: 53.691 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Tgt Ion: 92 Resp: 621277
 Ion Ratio Lower Upper
 92 100
 91 177.2 142.5 213.7





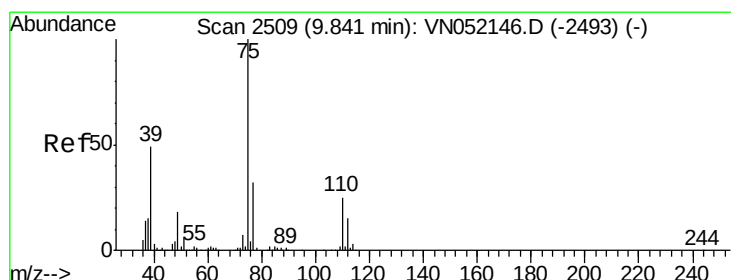
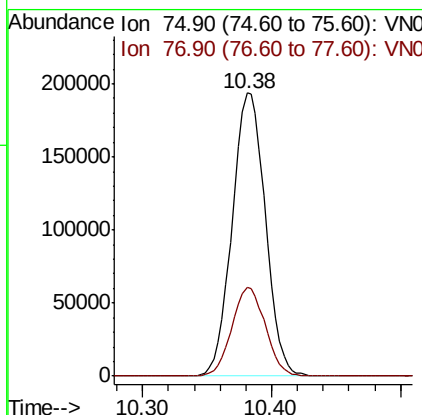
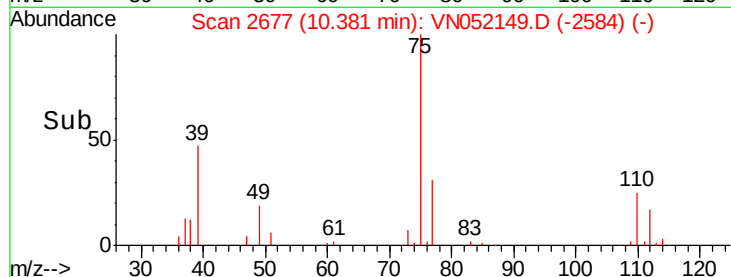
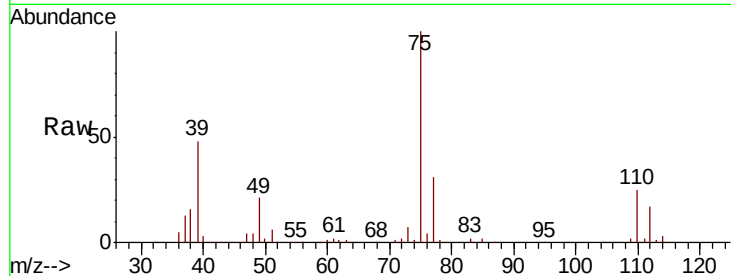
#53
 t-1,3-Dichloropropene
 Concen: 55.998 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN110518

Tot Ion: 75 Resp: 346251
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.6

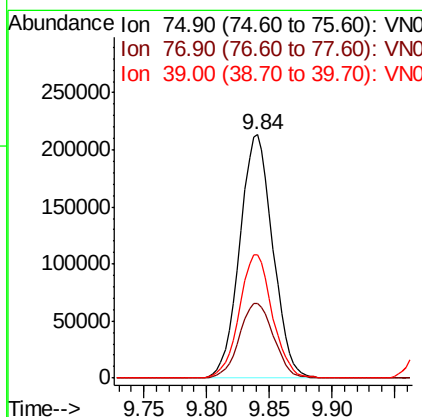
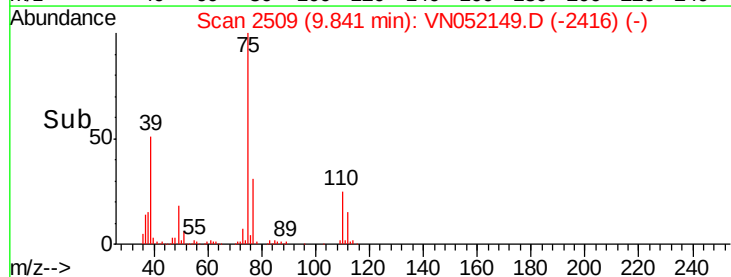
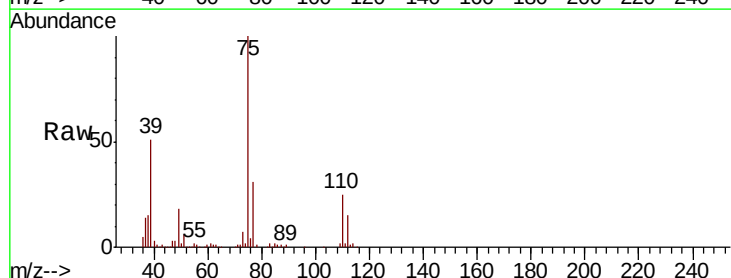
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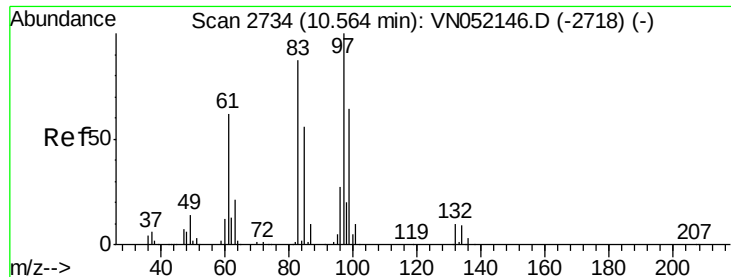
MMDadoda
 11/6/2018 10:00:07 AM



#54
 cis-1,3-Dichloropropene
 Concen: 54.118 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Tgt Ion: 75 Resp: 391570
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.8 38.8
 39 50.7 39.2 58.8





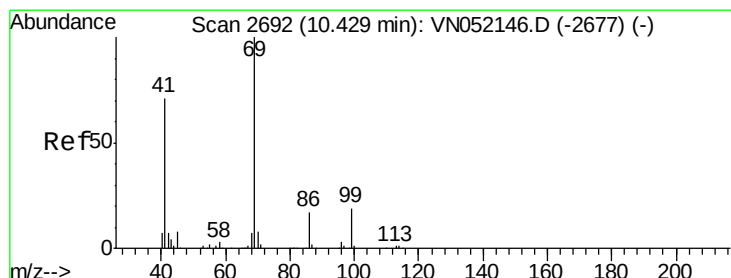
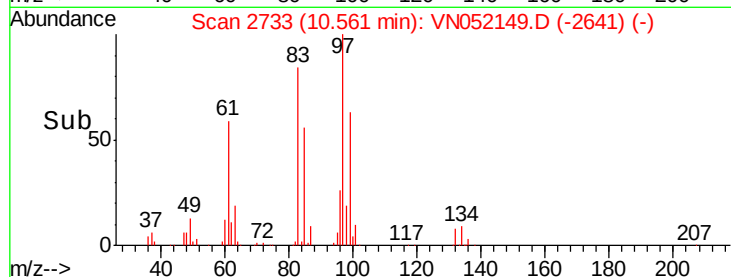
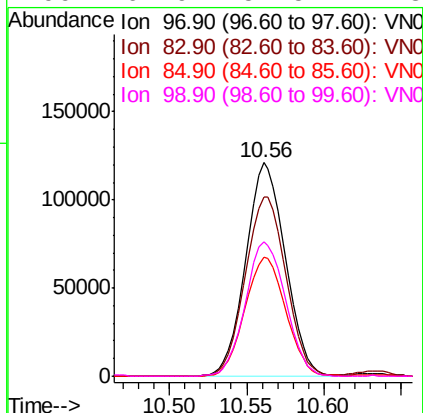
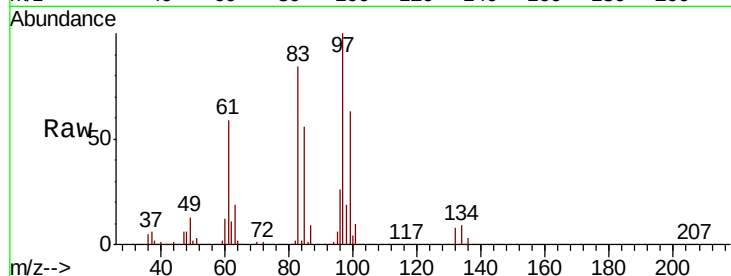
#55
 1,1,2-Trichloroethane
 Concen: 52.979 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110518

Tot Ion:	97	Resp:	216141
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.3	103.9
85	55.7	44.9	67.3
99	62.9	51.5	77.3

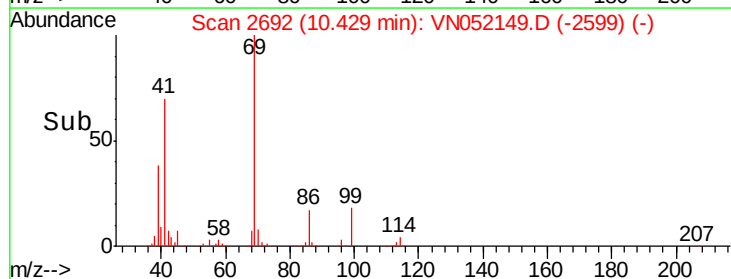
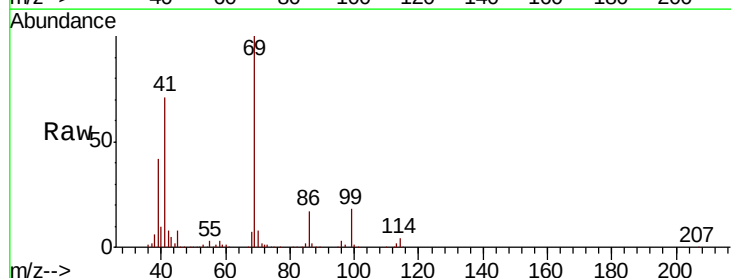
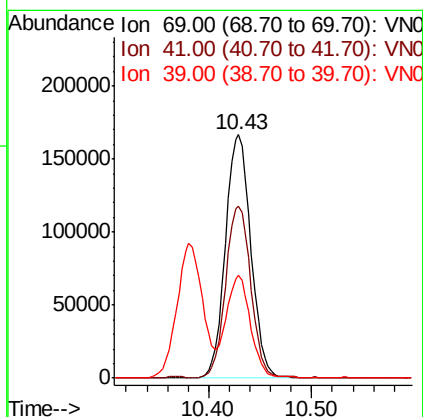
Manual Integrations
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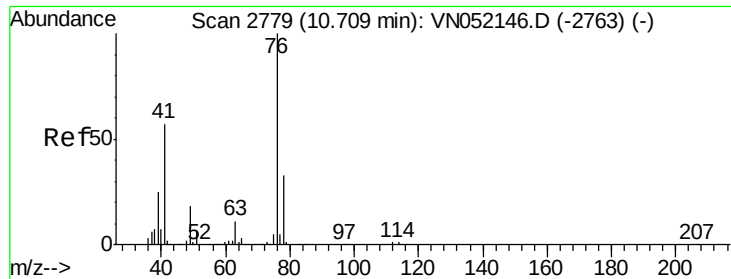
MMDadoda
 11/6/2018 10:00:07 AM



#56
 Ethyl methacrylate
 Concen: 54.054 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Tgt Ion:	69	Resp:	287445
Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.4	83.0
39	39.6	32.0	48.0





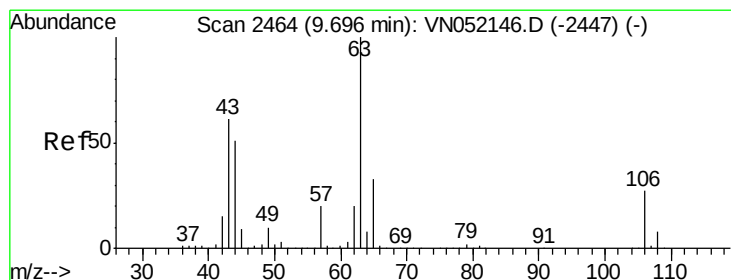
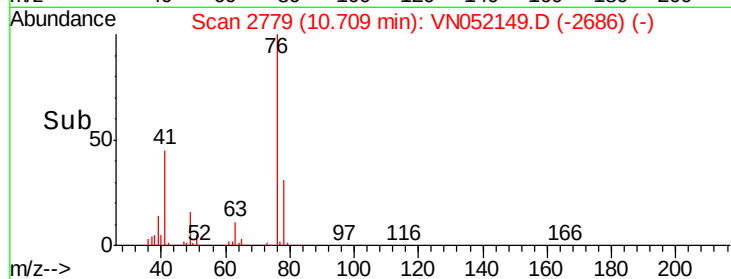
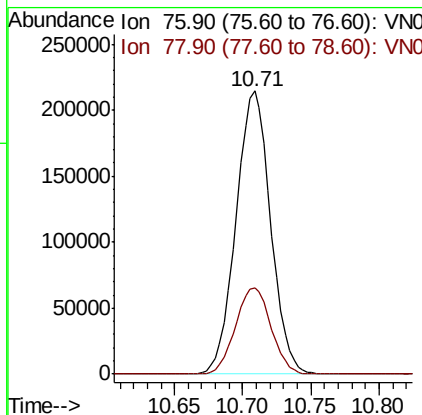
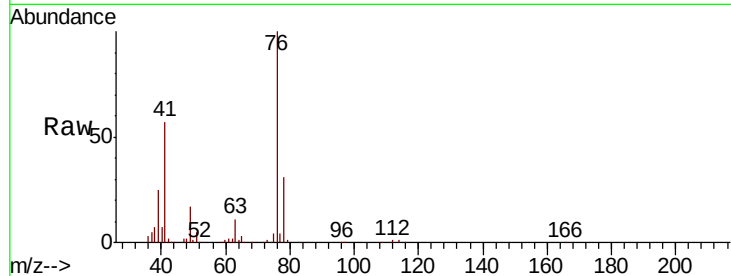
#57
 1,3-Dichloropropane
 Concen: 52.515 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110518

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

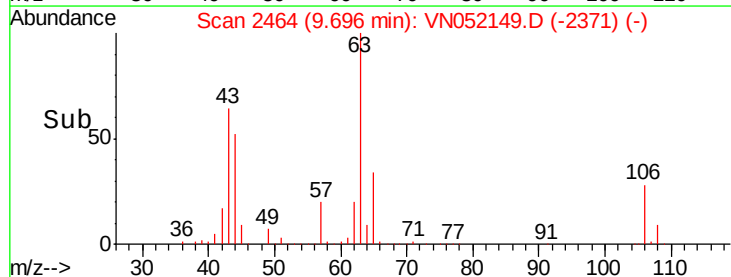
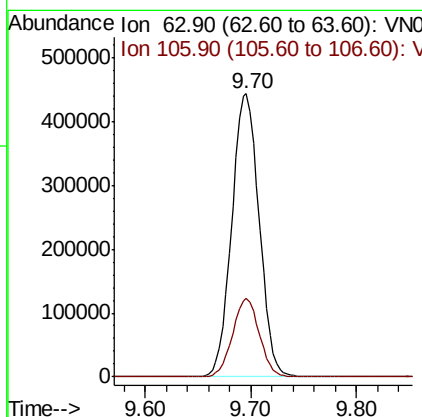
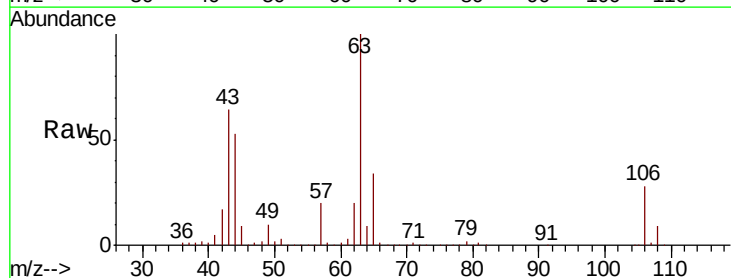
Manual Integrations
 APPROVED

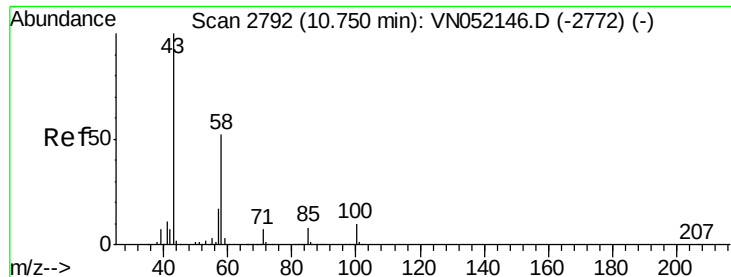
MMDadoda
 11/6/2018 10:00:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.712 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.0	31.4





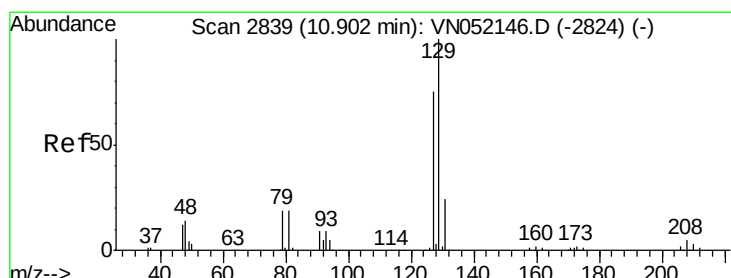
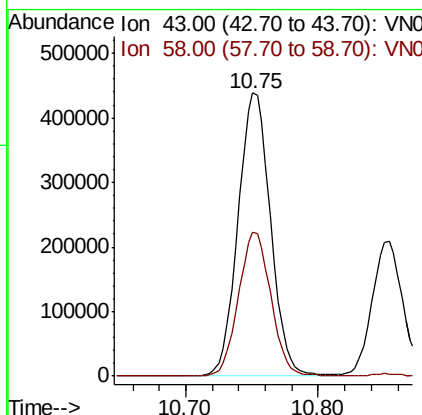
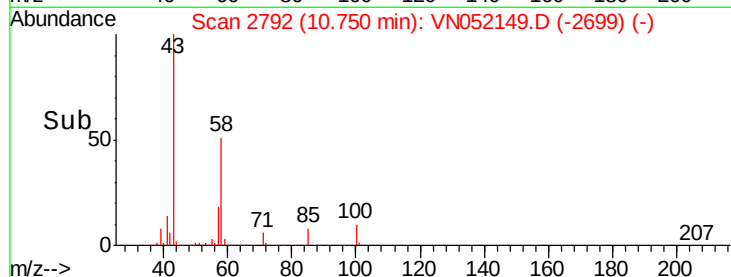
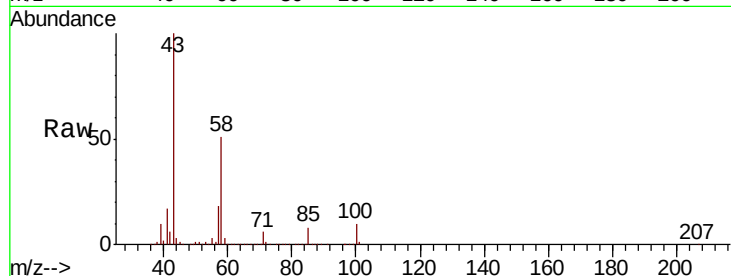
#59
2-Hexanone
Concen: 272.148 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion: 43 Resp: 745437
Ion Ratio Lower Upper
43 100
58 50.8 25.8 77.4

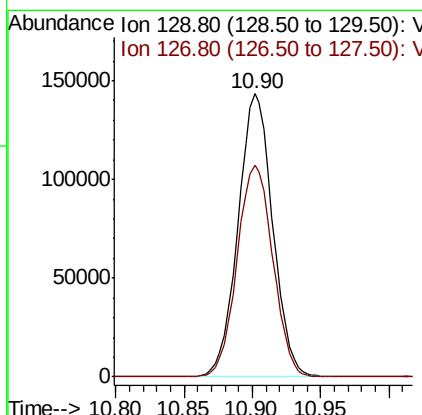
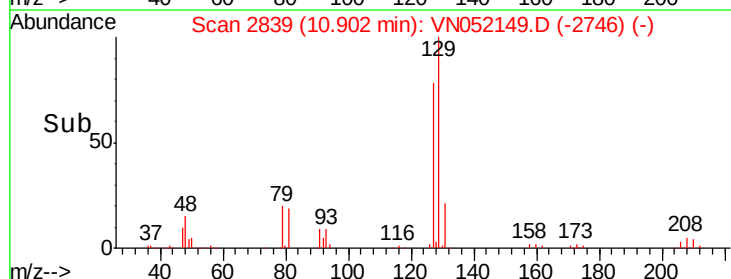
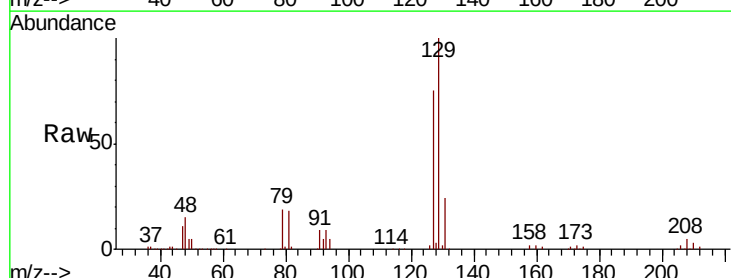
Manual Integrations
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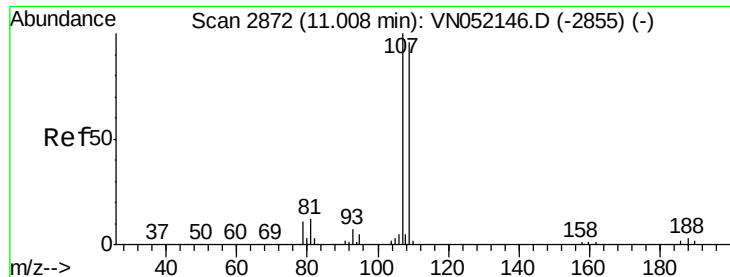
MMDadoda
11/6/2018 10:00:07 AM



#60
Dibromochloromethane
Concen: 54.451 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion: 129 Resp: 252627
Ion Ratio Lower Upper
129 100
127 77.2 38.0 114.1





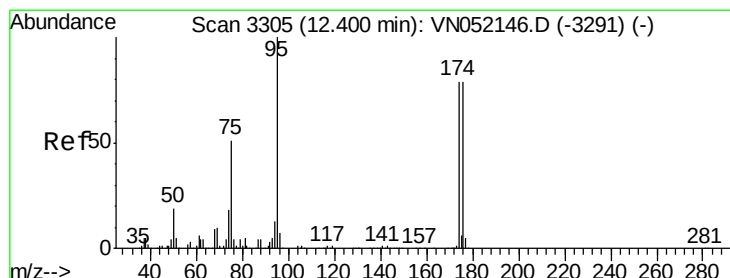
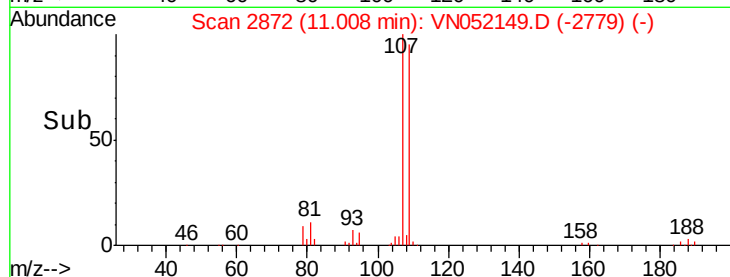
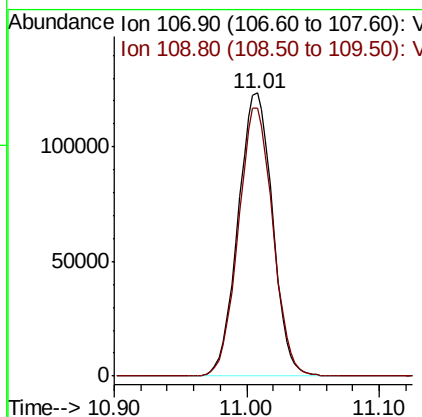
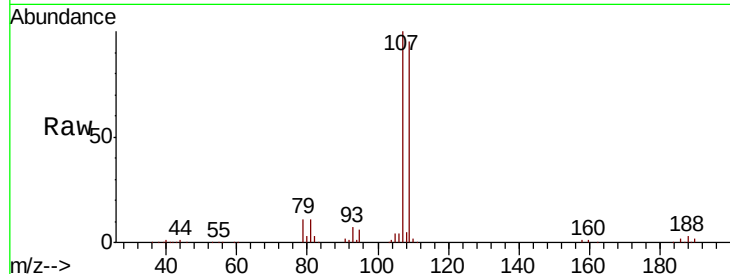
#61
 1,2-Dibromoethane
 Concen: 53.784 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110518

Tot Ion	Ratio	Resp	Lower	Upper
107	100	222737		
109	95.2	76.0	114.0	

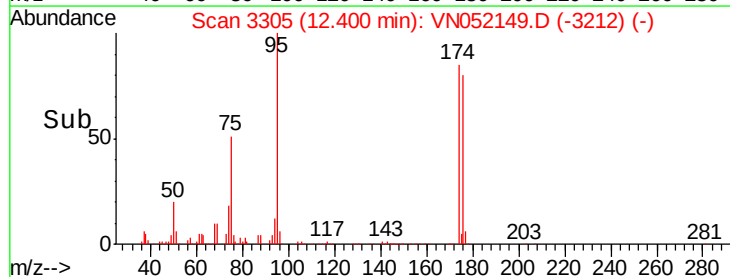
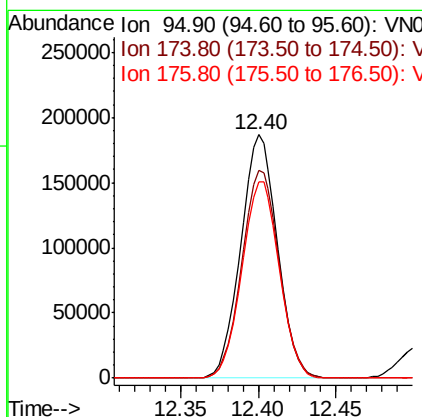
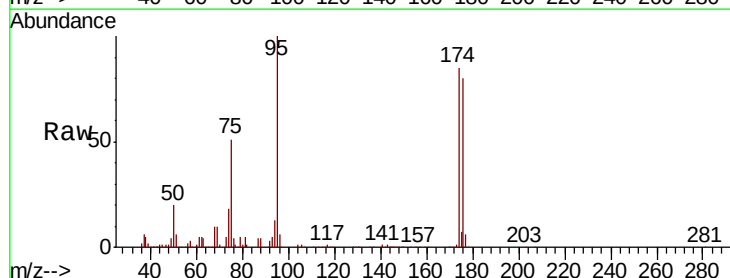
Manual Integrations
 APPROVED

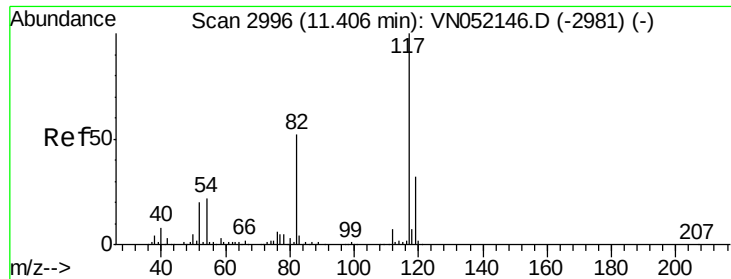
MMDadoda
 11/6/2018 10:00:07 AM



#62
 4-Bromofluorobenzene
 Concen: 53.784 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	307337		
174	87.1	0.0	162.6	
176	82.4	0.0	155.4	





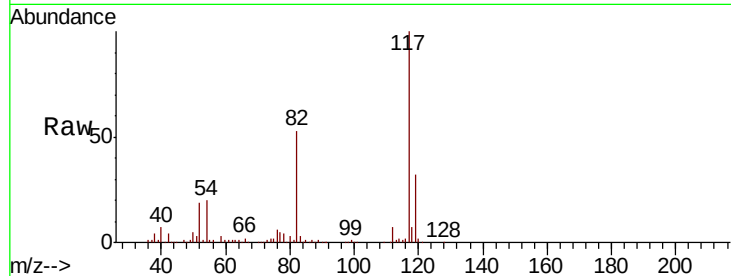
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion	Ratio	Resp	Lower	Upper
117	100	673102		
82	53.1		41.9	62.9
119	32.3		25.7	38.5

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11/6/2018 10:00:07 AM

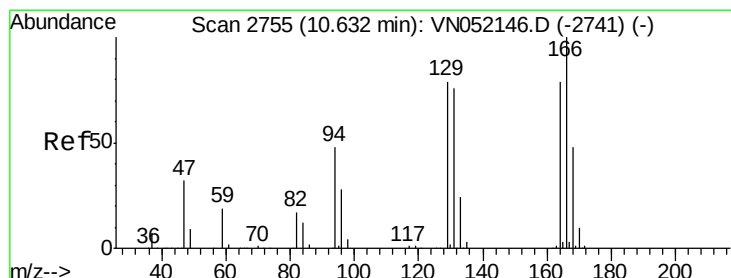
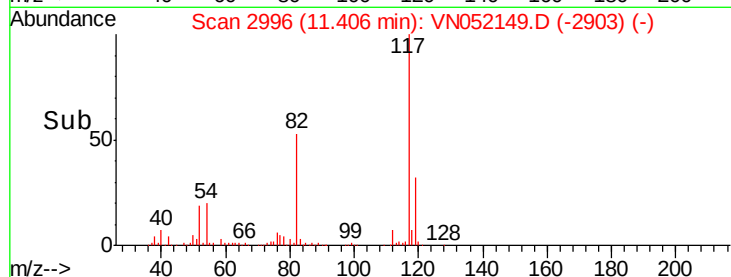
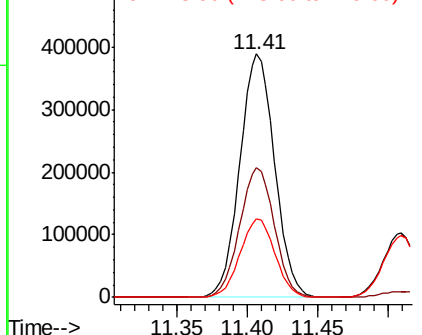


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 54.964 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	239684		
166	127.7		100.8	151.2
129	98.4		79.1	118.7
131	95.2		77.0	115.4

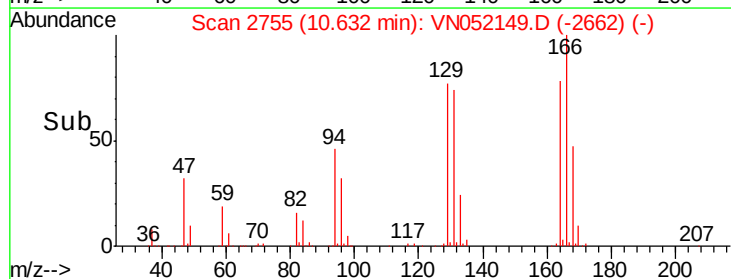
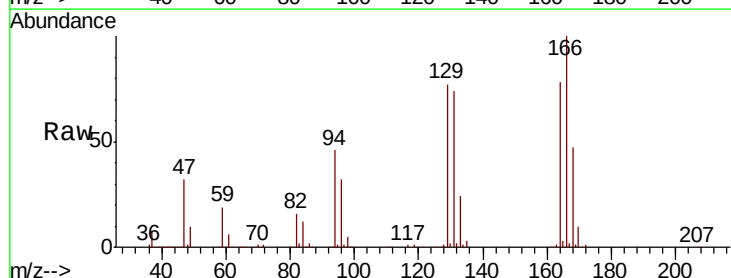
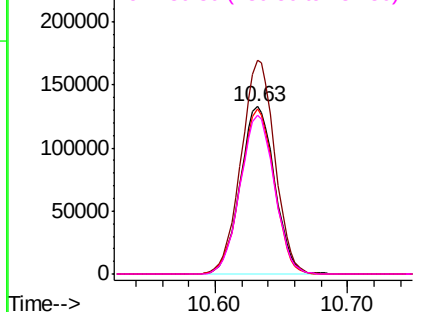
Abundance

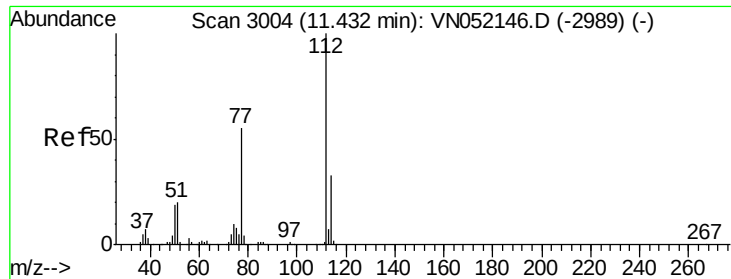
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.976 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110518

Tot Ion:112 Resp: 699373

Ion Ratio Lower Upper

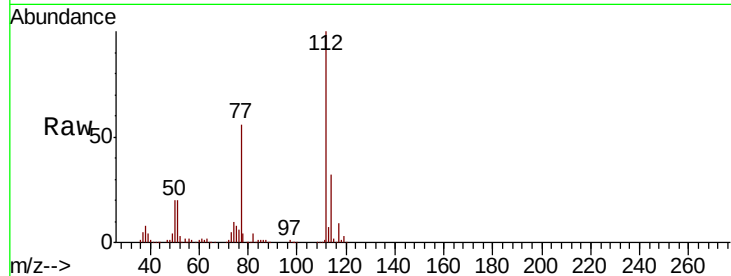
112 100

114 32.0 26.2 39.4

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

300000

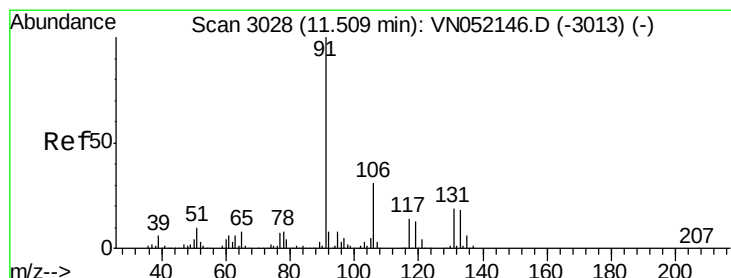
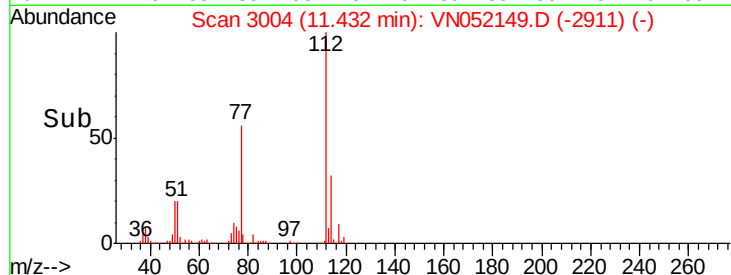
200000

100000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.736 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

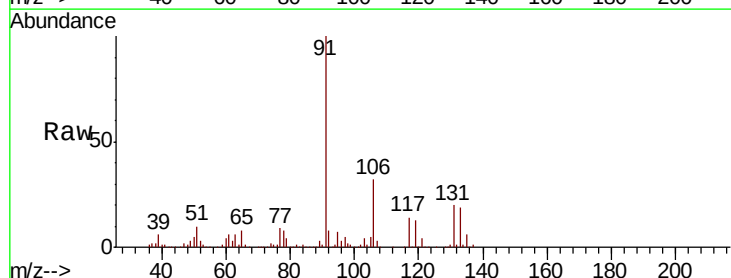
Tgt Ion:131 Resp: 247582

Ion Ratio Lower Upper

131 100

133 96.7 46.6 139.8

119 67.7 33.6 100.8



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

200000

150000

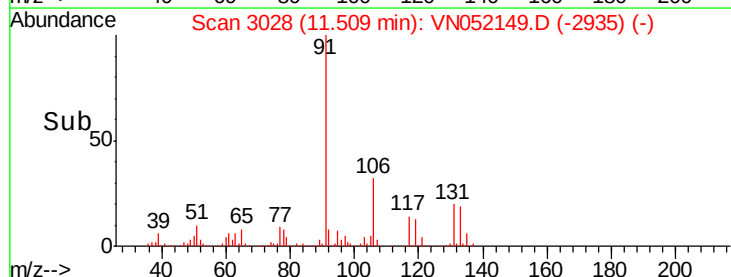
100000

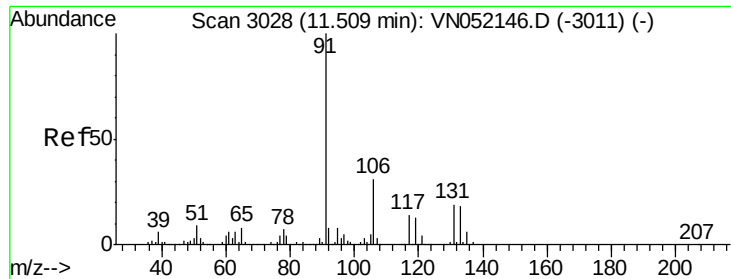
50000

0

11.45 11.50 11.55 11.60

Time-->





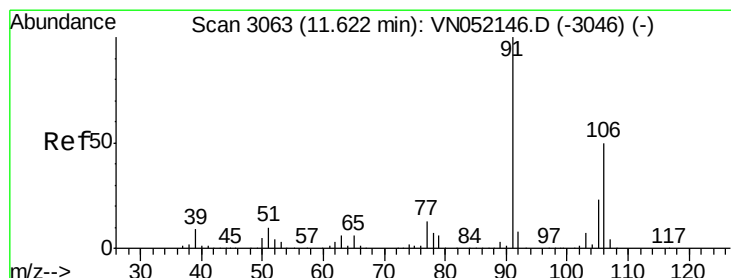
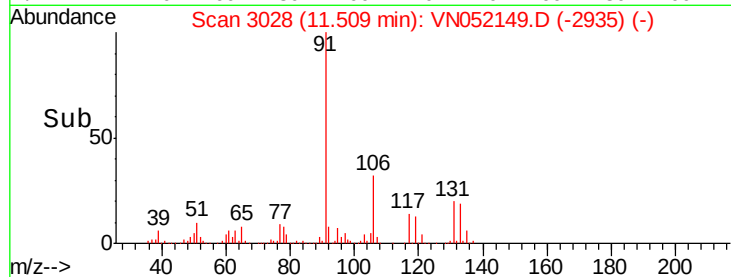
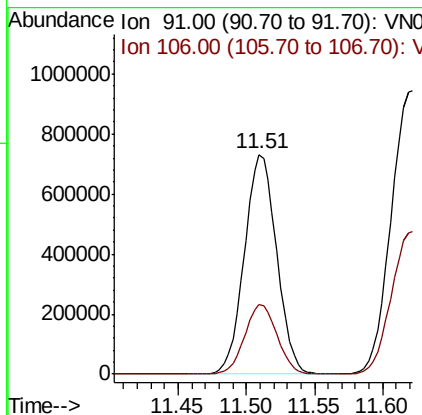
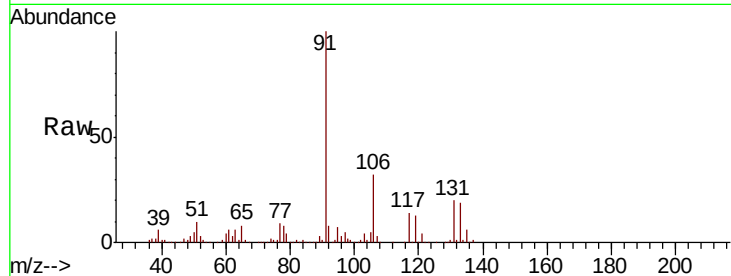
#67
Ethyl Benzene
Concen: 52.632 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
ICVVN110518

Tot Ion: 91 Resp: 1199330
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

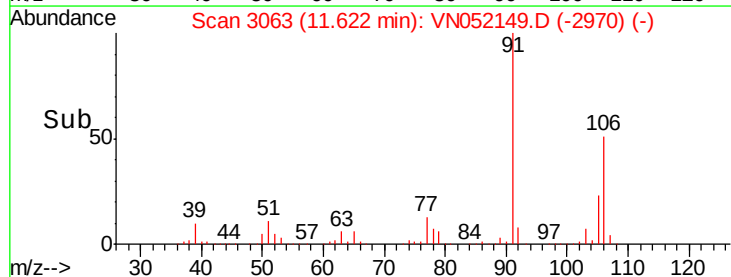
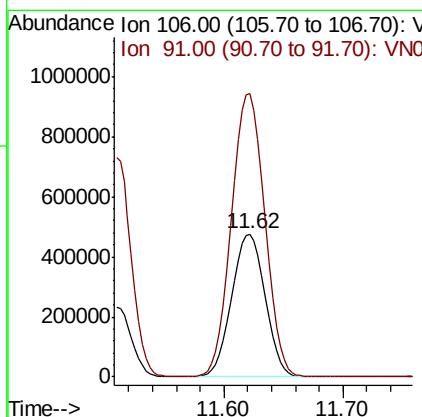
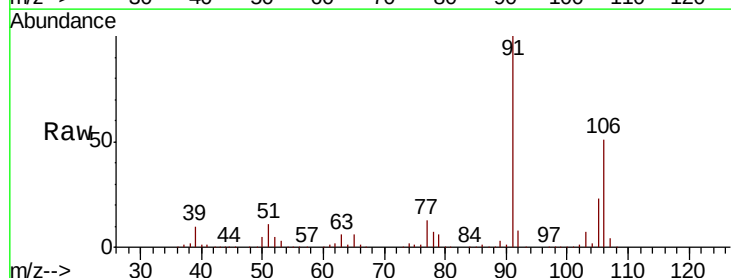
Manual Integrations
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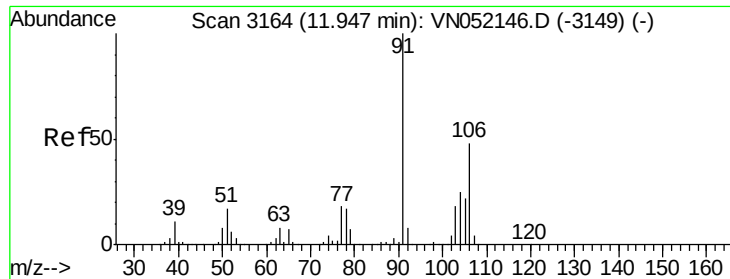
MMDadoda
11/6/2018 10:00:07 AM



#68
m/p-Xylenes
Concen: 105.199 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion: 106 Resp: 924970
Ion Ratio Lower Upper
106 100
91 198.5 158.2 237.4





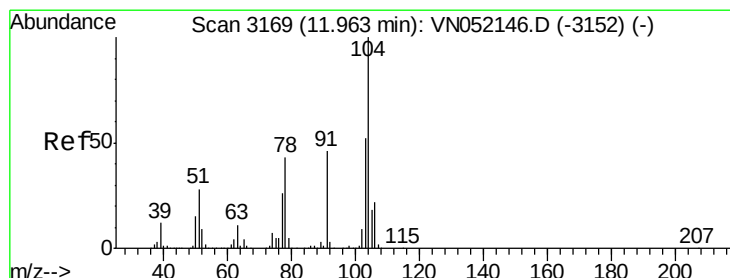
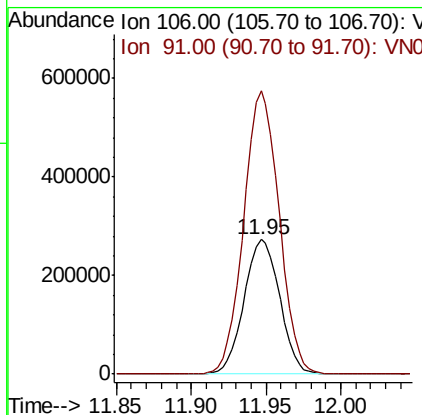
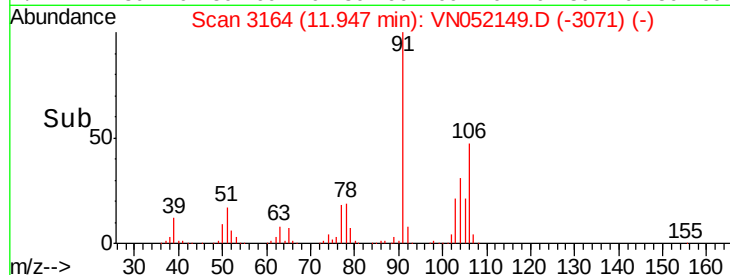
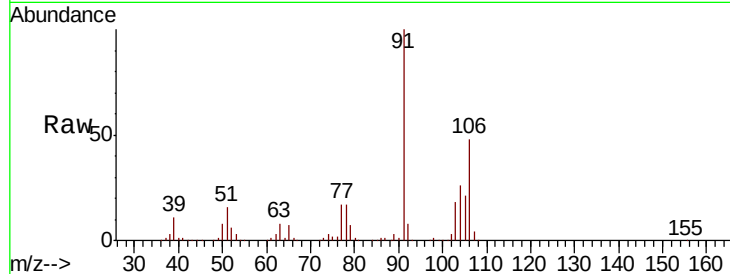
#69
o-Xylene
Concen: 53.273 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.6	104.8	454255	314.3	

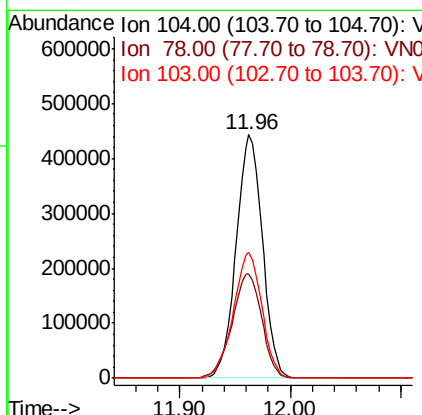
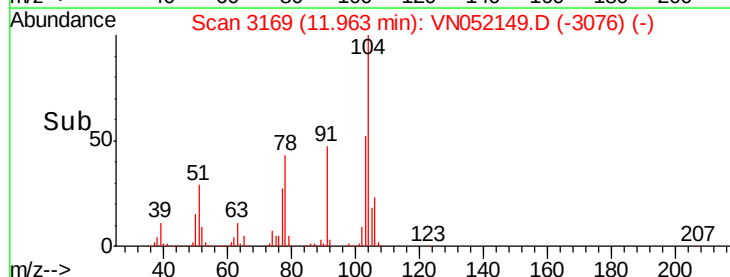
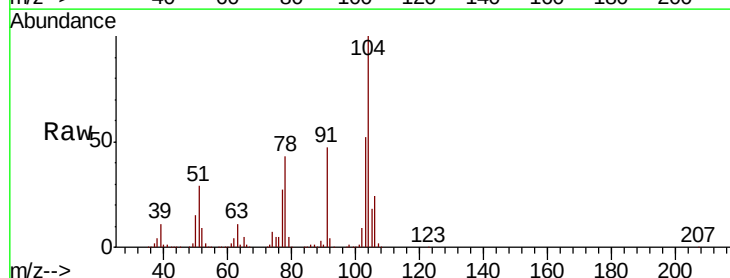
Manual Integrations
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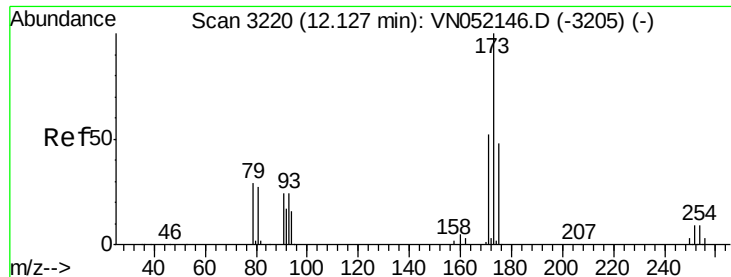
MMDadoda
11/6/2018 10:00:07 AM



#70
Styrene
Concen: 54.248 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.3	39.4	732278	59.0	
103	55.9	45.1		67.7	





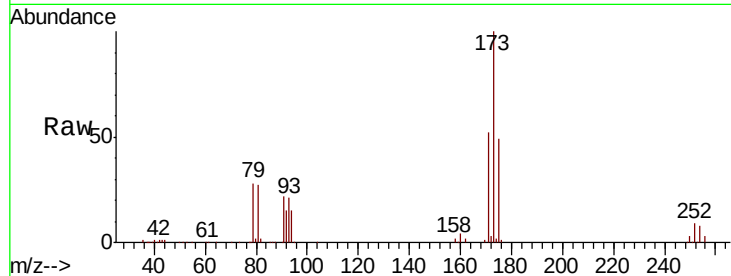
#71
Bromoform
Concen: 50.444 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.8	74.4
254	0.0	0.2	0.2

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11/6/2018 10:00:07 AM

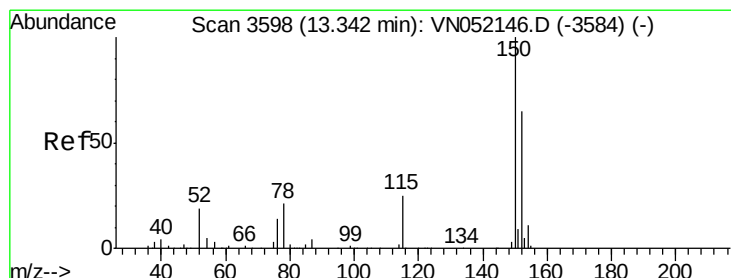
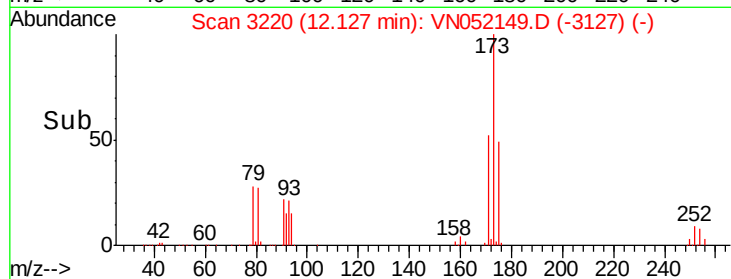
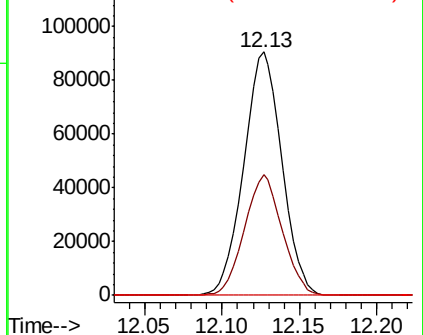


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

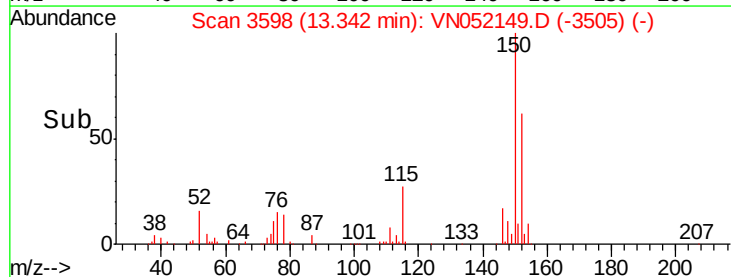
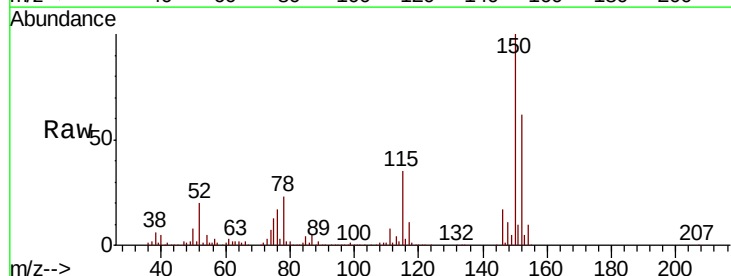
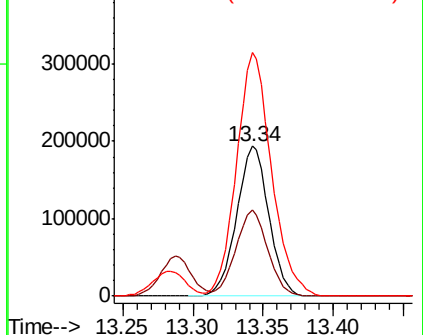
Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.5	85.5
150	177.0	0.0	348.6

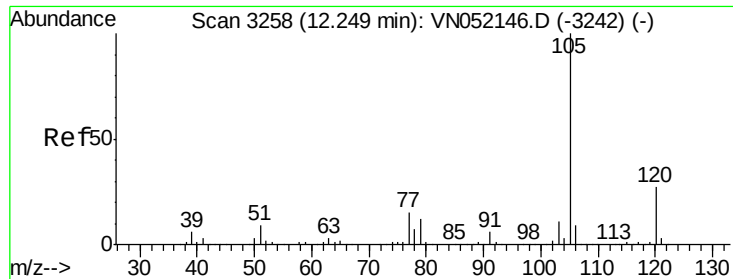
Abundance

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: 51.372 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110518

Tot Ion:105 Resp: 1199069

Ion Ratio Lower Upper

105 100

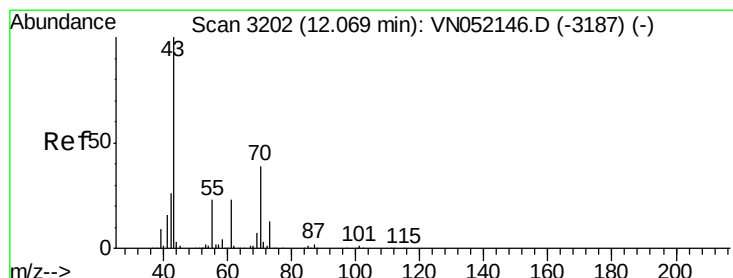
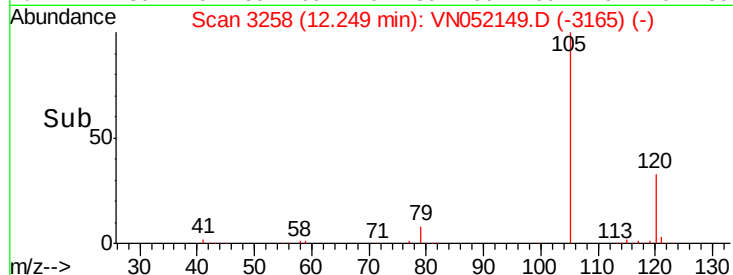
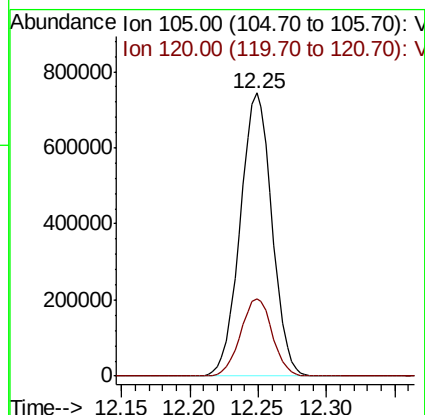
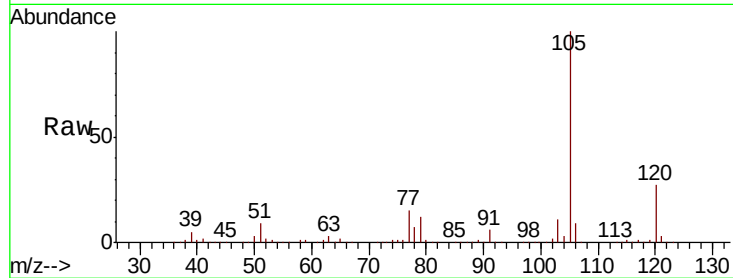
120 27.5 13.3 39.9

Manual Integrations

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11/6/2018 10:00:07 AM



#74

N-ethyl acetate

Concen: 52.647 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Tgt Ion: 43 Resp: 364643

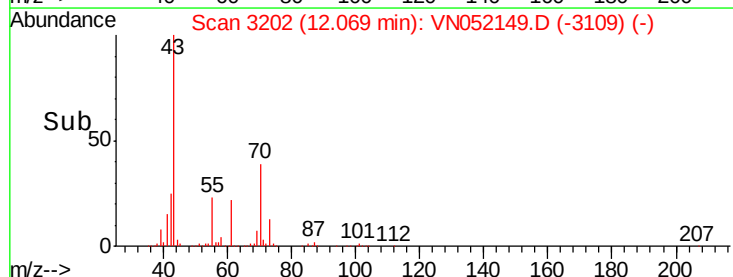
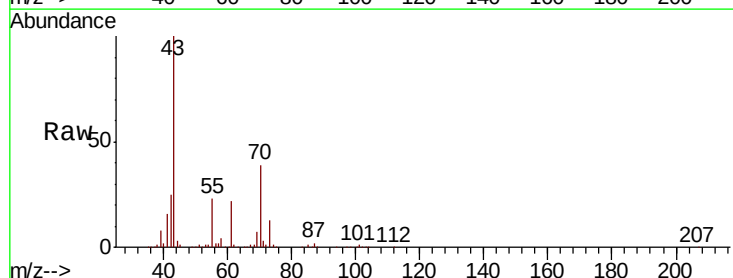
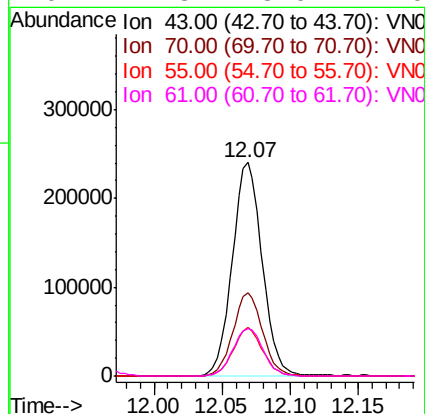
Ion Ratio Lower Upper

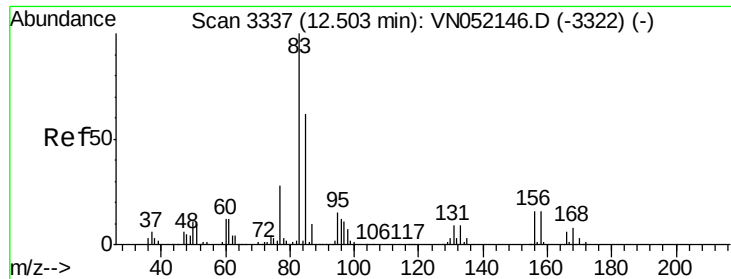
43 100

70 38.3 31.1 46.7

55 22.3 18.5 27.7

61 22.8 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.272 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

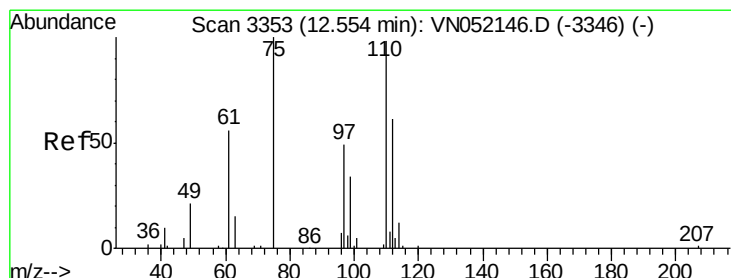
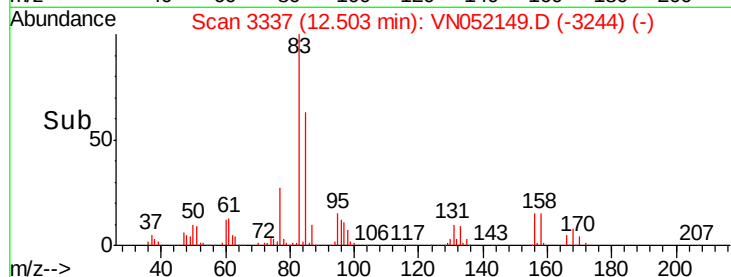
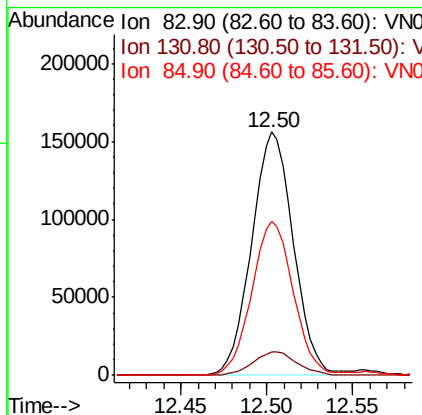
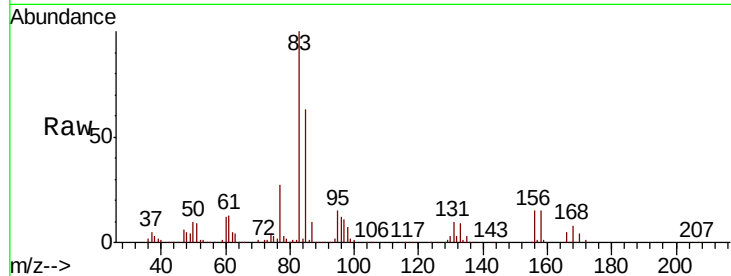
ClientSampled :

ICVVN110518

Tot Ion:	83	Resp:	261950
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	14.9
85	62.8	31.8	95.3

Manual Integrations
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MMDadoda
11/6/2018 10:00:07 AM



#76

1,2,3-Trichloropropane

Concen: 47.190 ug/l m

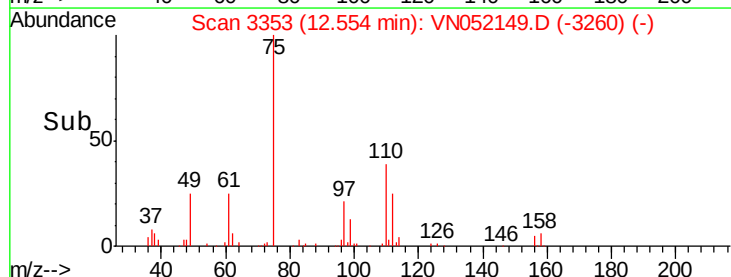
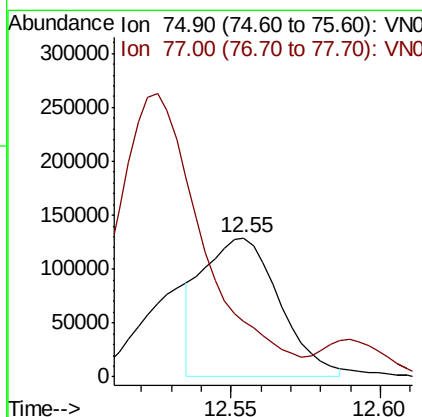
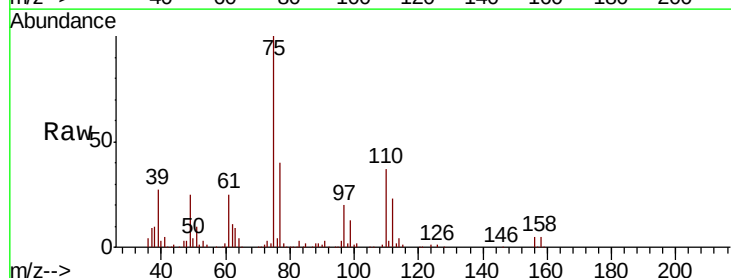
RT: 12.55 min Scan# 3353

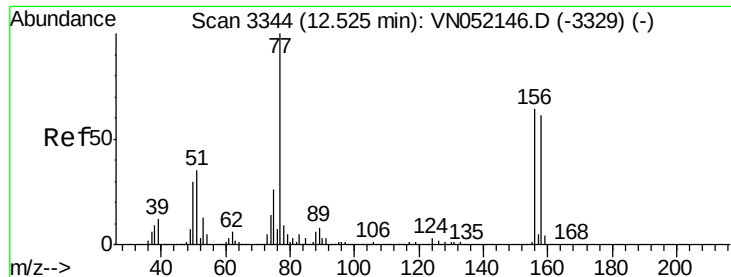
Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Tgt Ion:	75	Resp:	229255
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.915 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

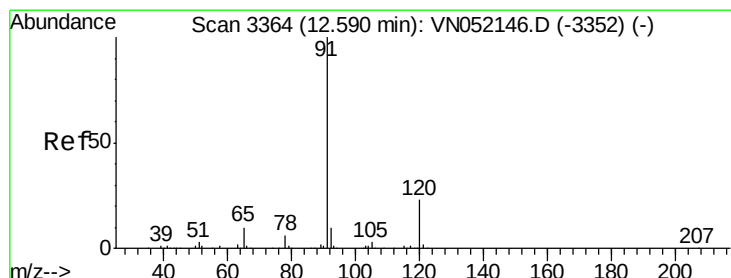
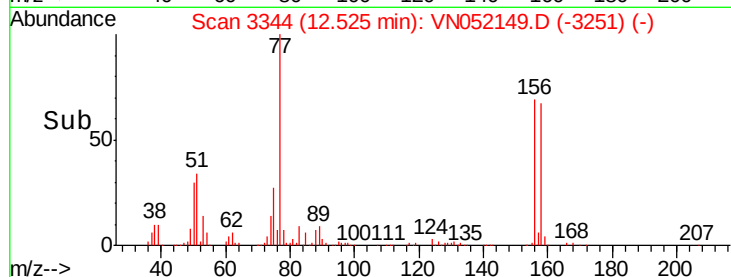
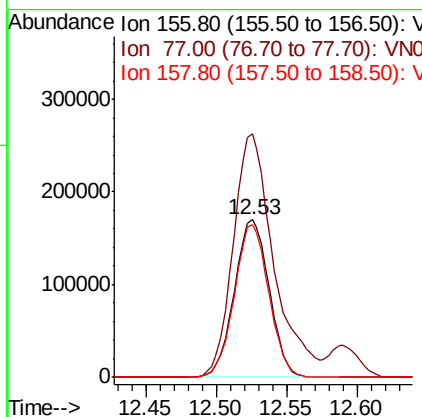
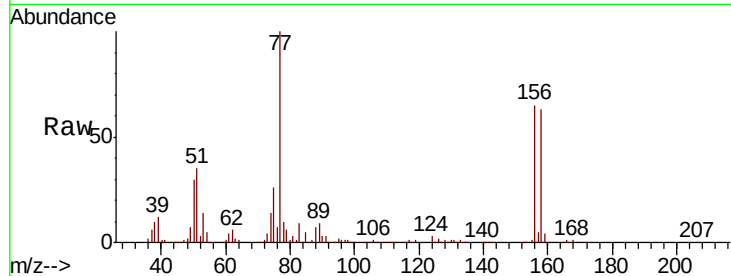
ClientSampled :

ICVVN110518

Tot Ion:	156	Resp:	294520
Ion Ratio	Lower	Upper	
156	100		
77	179.9	91.6	274.9
158	95.7	48.1	144.3

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#78

n-propylbenzene

Concen: 51.413 ug/l

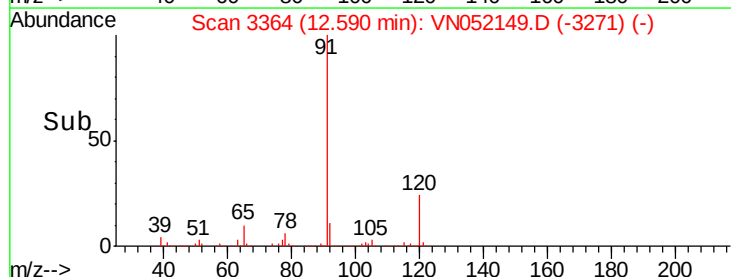
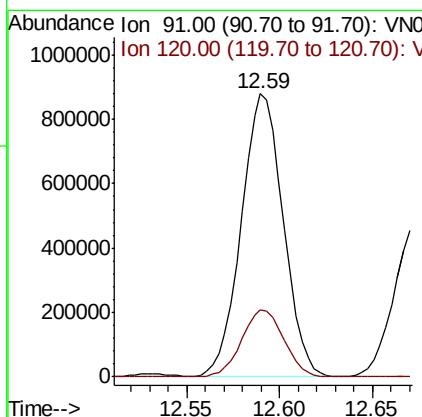
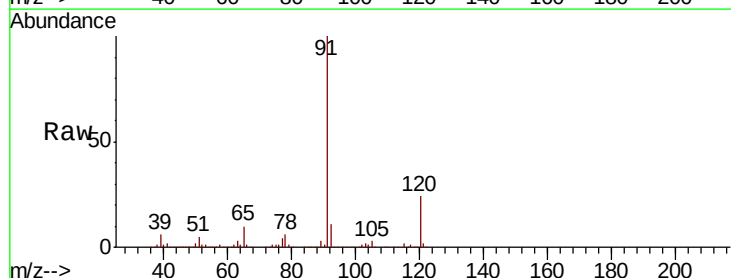
RT: 12.59 min Scan# 3364

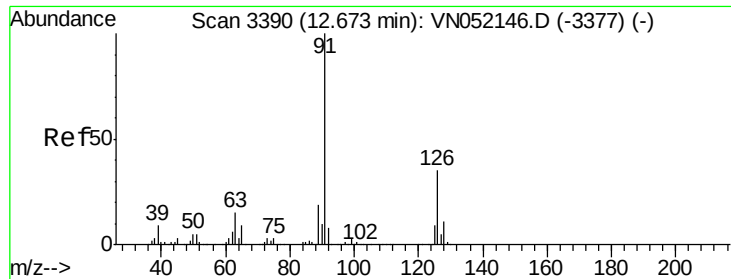
Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Tgt Ion:	91	Resp:	1371438
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.7





#79

2-Chlorotoluene

Concen: 49.863 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

ICVFN110518

Tot Ion: 91 Resp: 779984

Ion Ratio Lower Upper

91 100

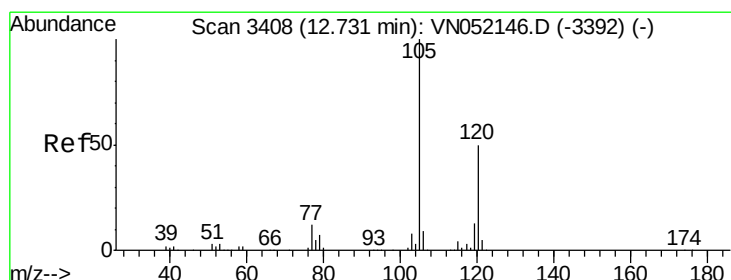
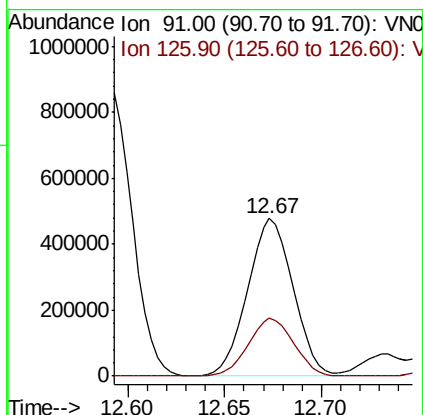
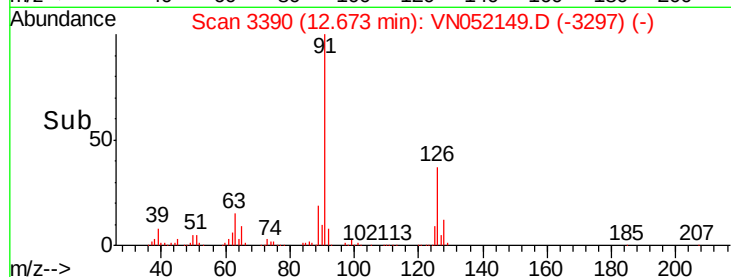
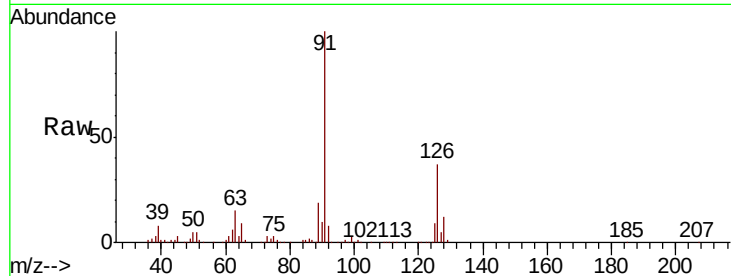
126 36.9 18.0 54.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.957 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052149.D

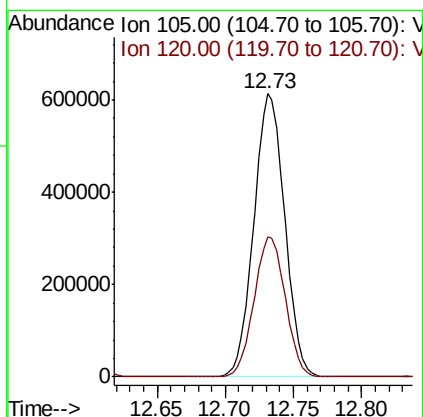
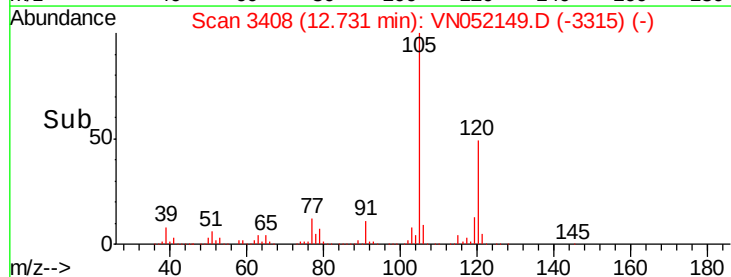
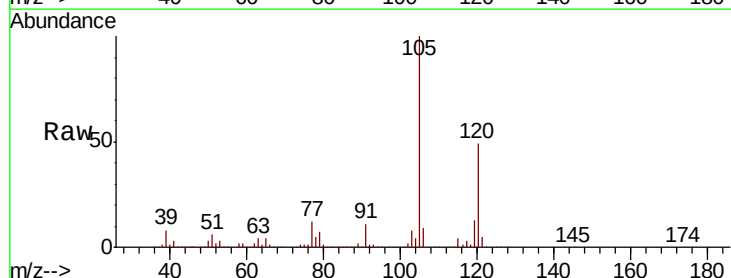
Acq: 5 Nov 2018 15:22

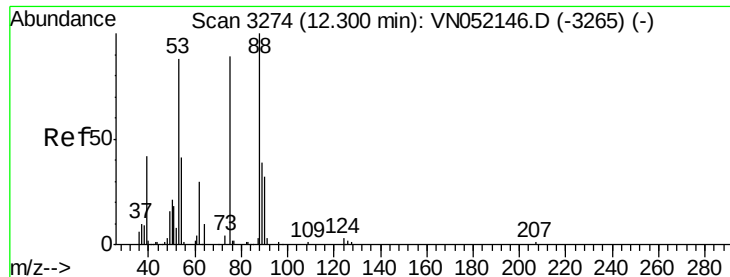
Tgt Ion: 105 Resp: 962743

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





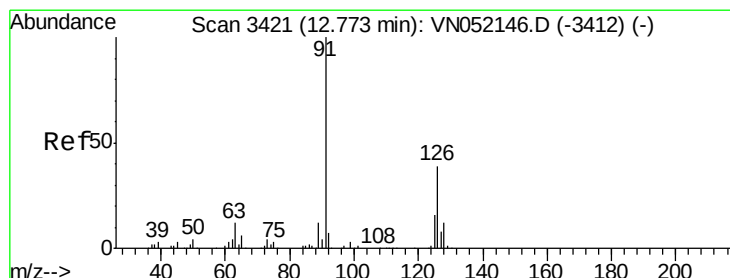
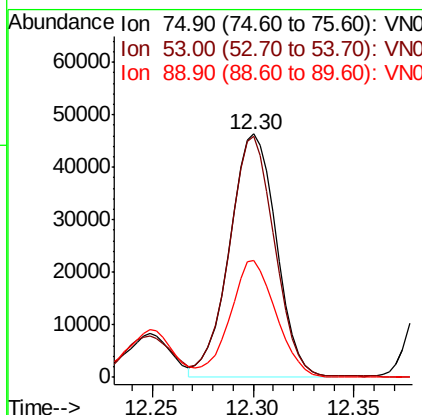
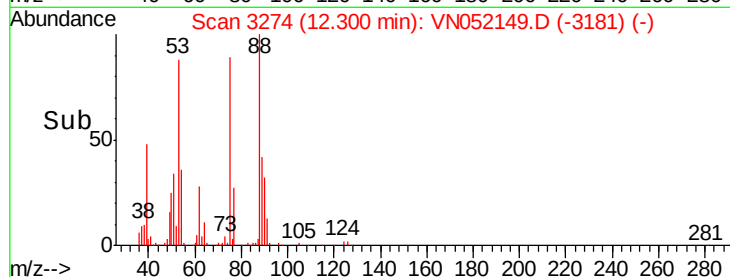
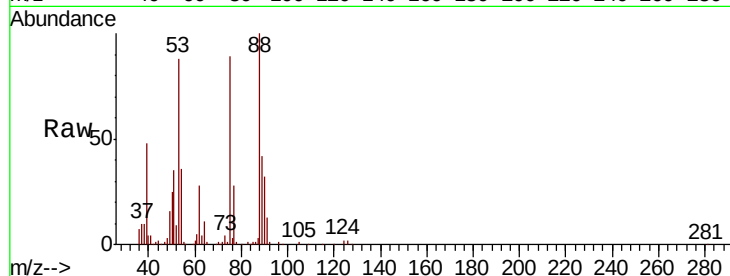
#81
trans-1,4-Dichloro-2-butene
Concen: 55.628 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
ICVVN110518

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.0	79.4	119.0
89	46.9	35.8	53.8

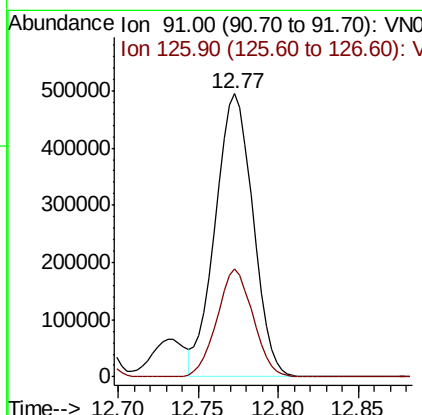
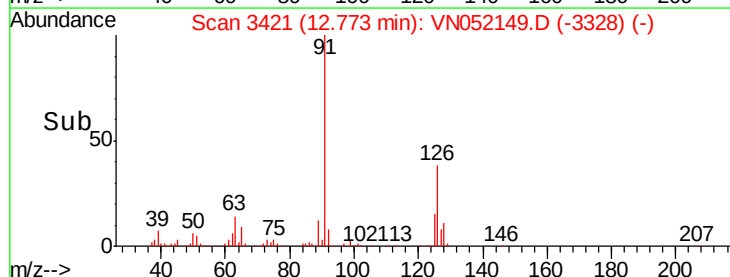
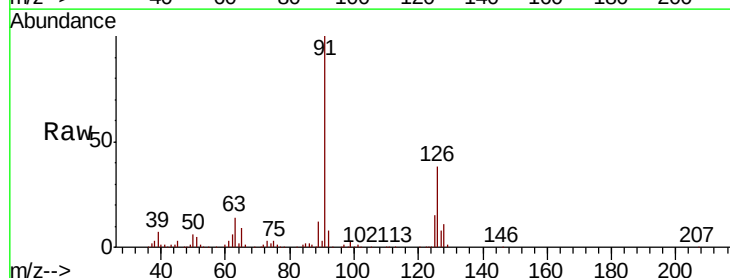
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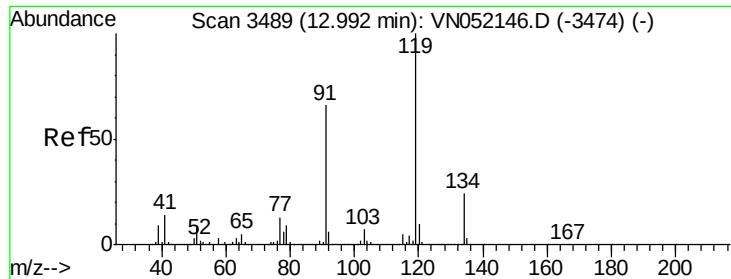
MMDadoda
11/6/2018 10:00:07 AM



#82
4-Chlorotoluene
Concen: 50.695 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.8	53.5





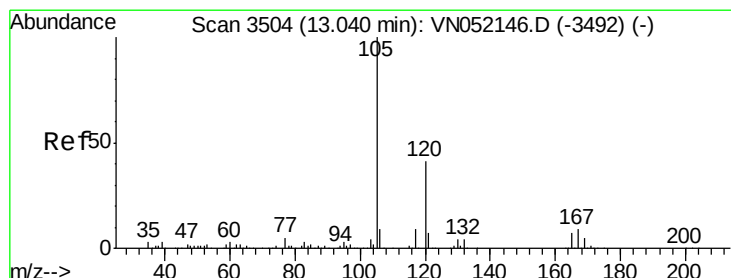
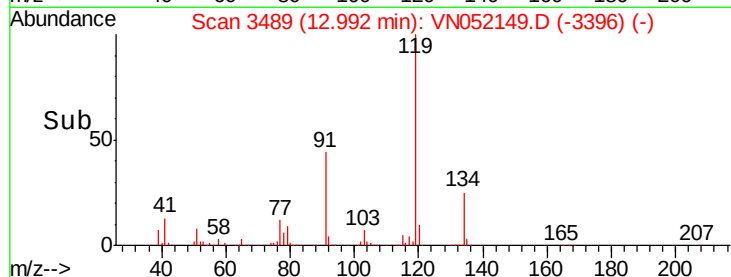
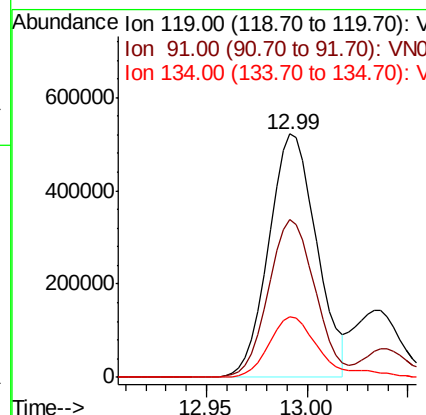
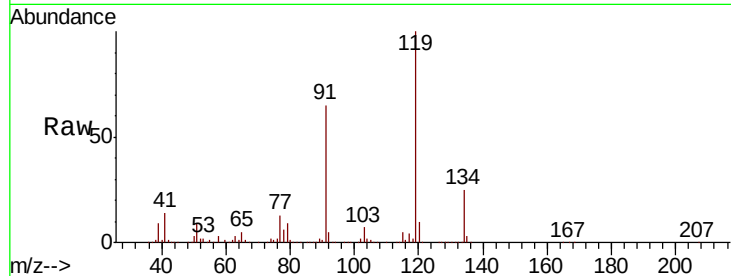
#83
 tert-Butylbenzene
 Concen: 51.449 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN110518

Tot Ion	Ratio	Resp	Lower	Upper
119	100	858306		
91	63.4		32.3	96.8
134	26.5		13.0	38.9

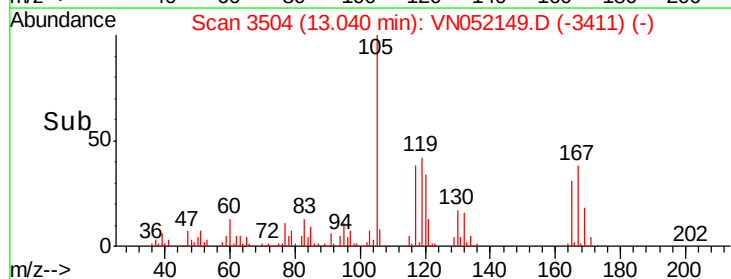
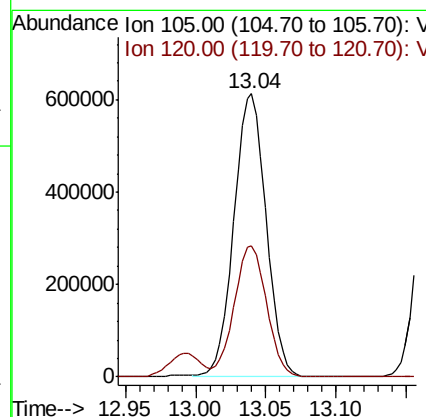
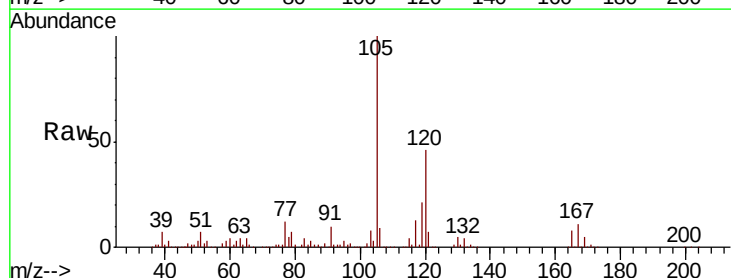
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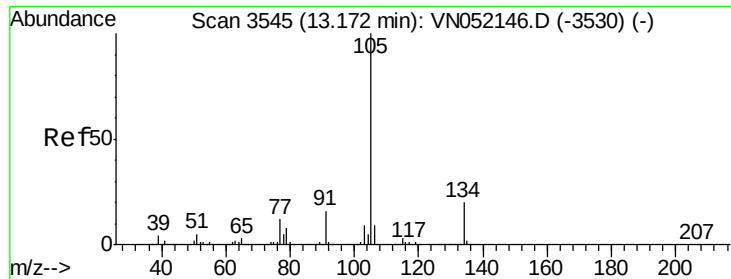
MMDadoda
 11/6/2018 10:00:07 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.097 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	979783		
120	46.5		23.2	69.5





#85

sec-Butylbenzene

Concen: 51.838 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110518

Tot Ion:105 Resp: 1169379

Ion Ratio Lower Upper

105 100

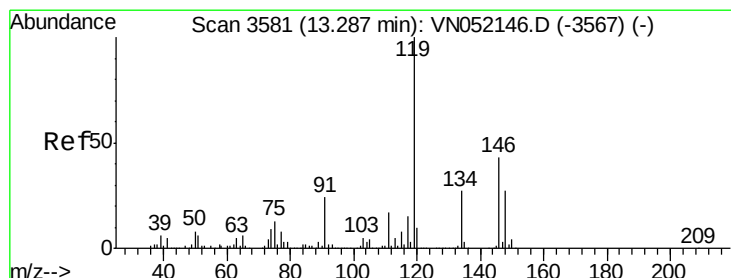
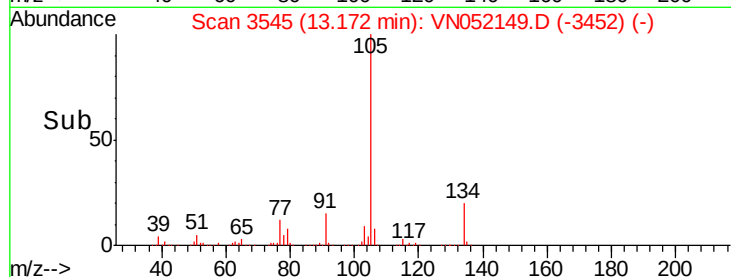
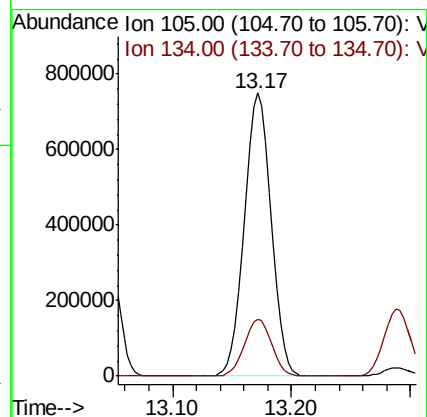
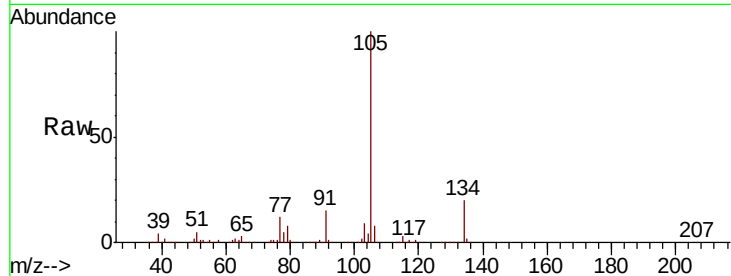
134 20.5 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 53.306 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

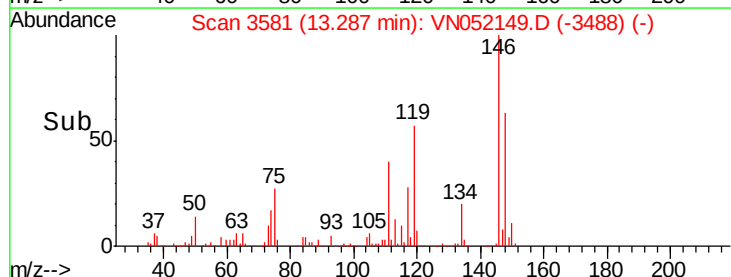
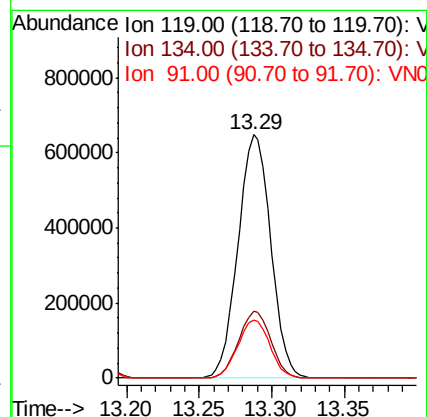
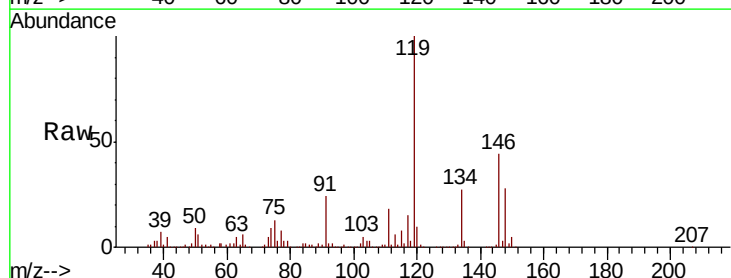
Tgt Ion:119 Resp: 1012120

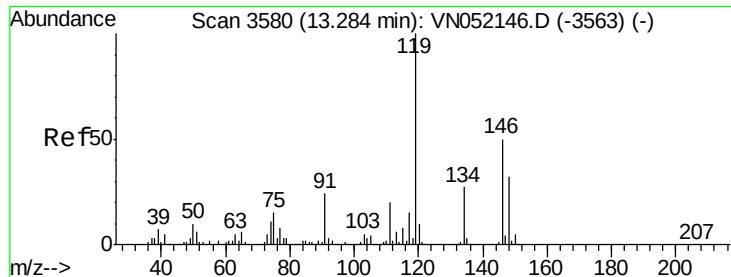
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

91 23.3 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 53.058 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

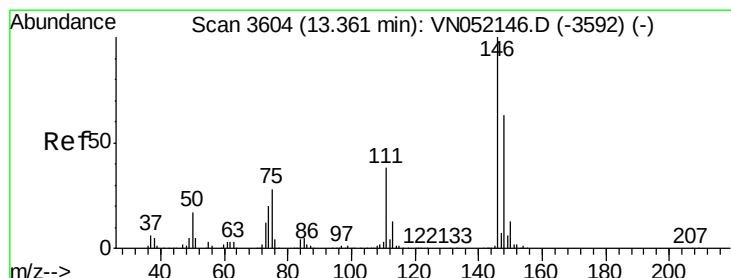
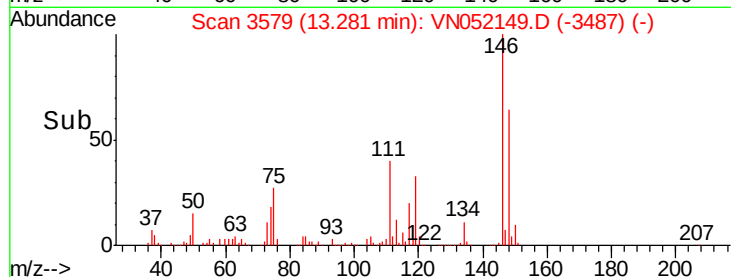
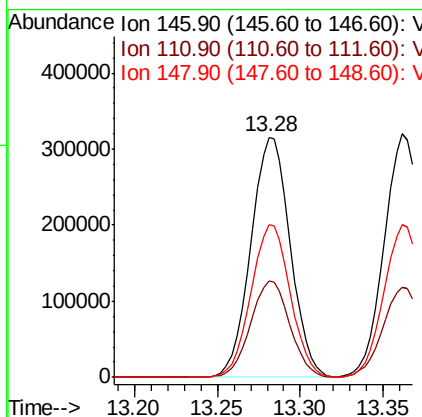
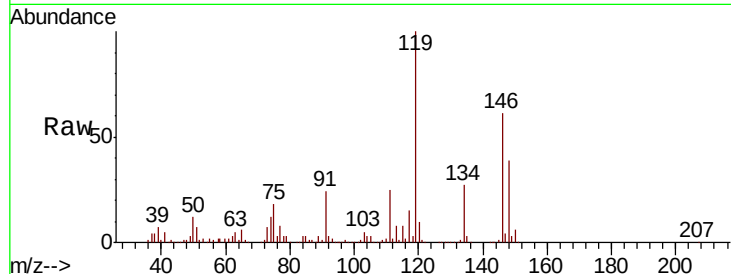
ClientSampleId :

ICVVN110518

Tot Ion:	146	Resp:	521872
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.2	60.6
148	63.3	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.963 ug/l

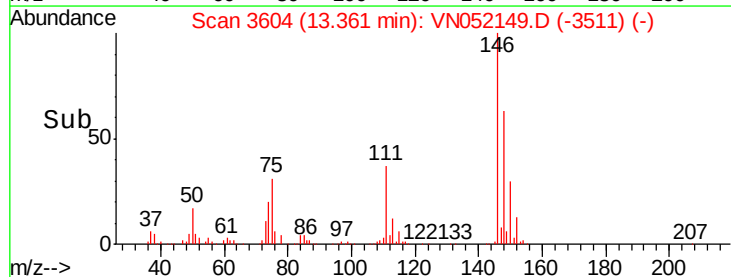
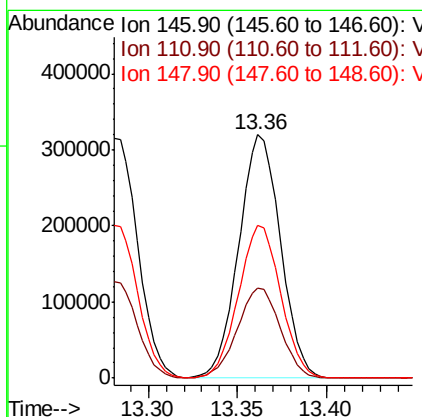
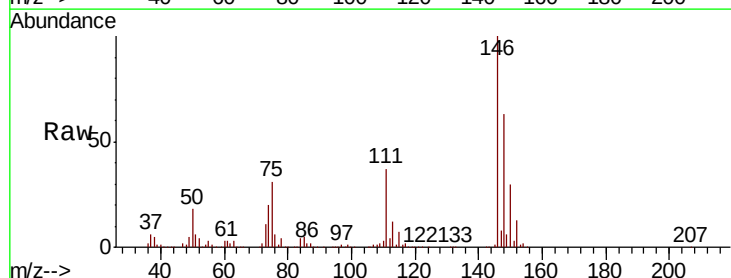
RT: 13.36 min Scan# 3604

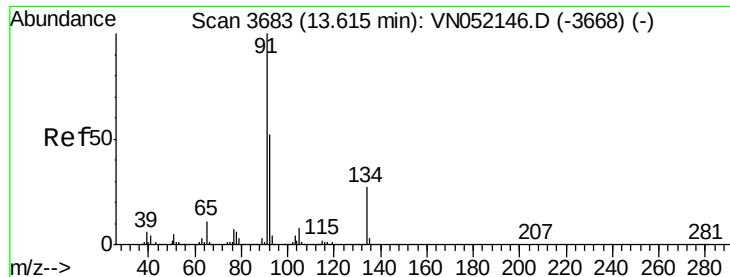
Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Tgt Ion:	146	Resp:	520696
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.4	58.1
148	63.6	31.5	94.5





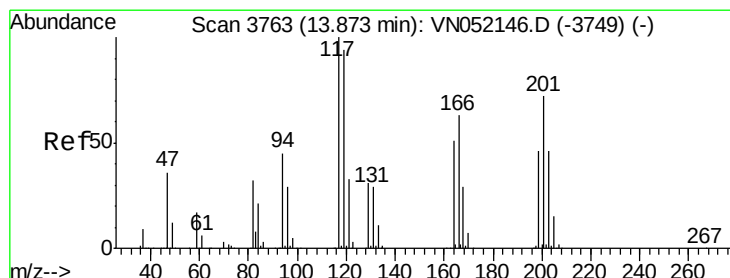
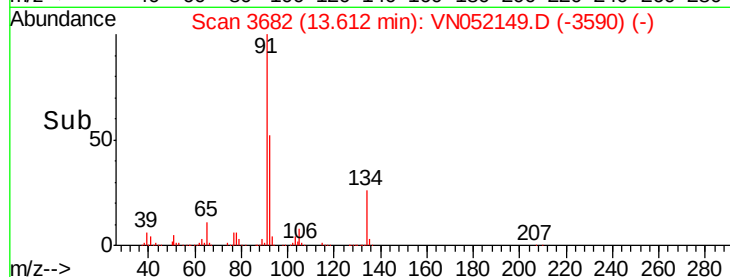
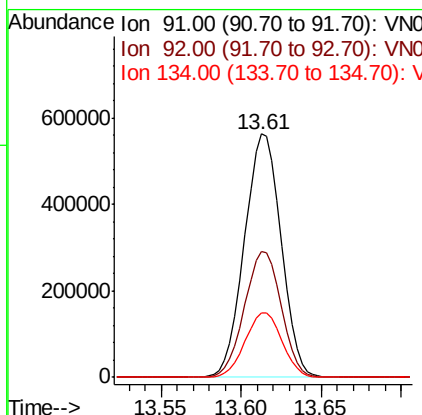
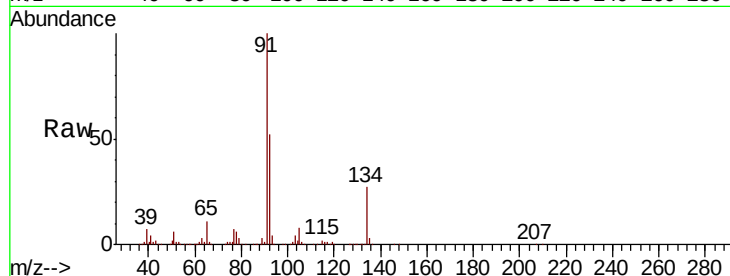
#89
n-Butylbenzene
Concen: 53.690 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110518

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.3	78.8
134	26.6	13.4	40.2

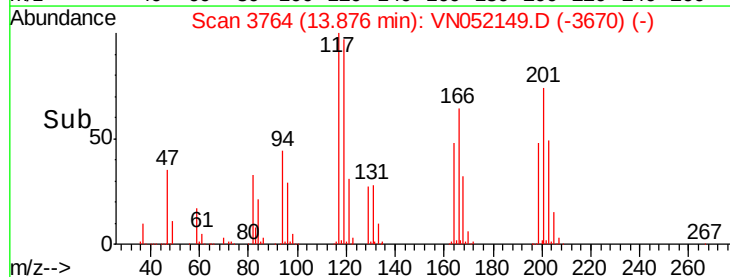
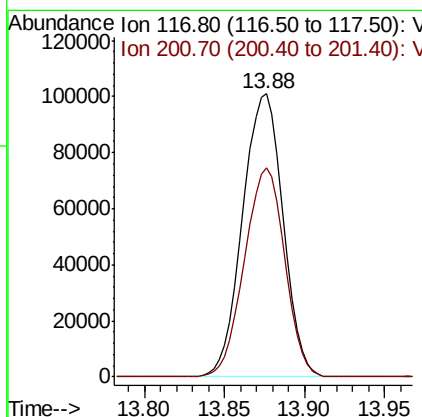
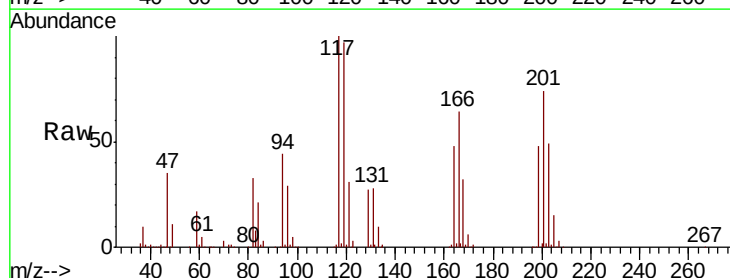
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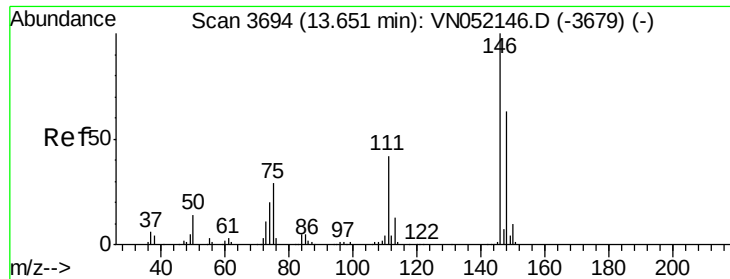
MMDadoda
11/6/2018 10:00:07 AM



#90
Hexachloroethane
Concen: 54.446 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052149.D
Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.7	36.8	110.3





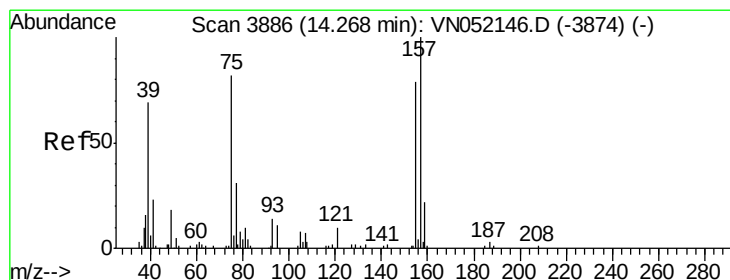
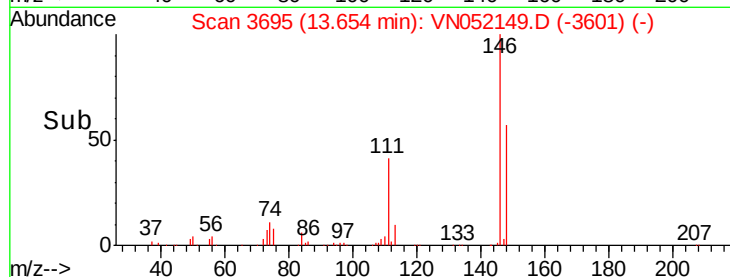
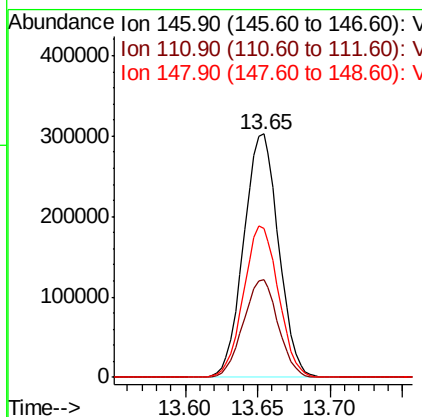
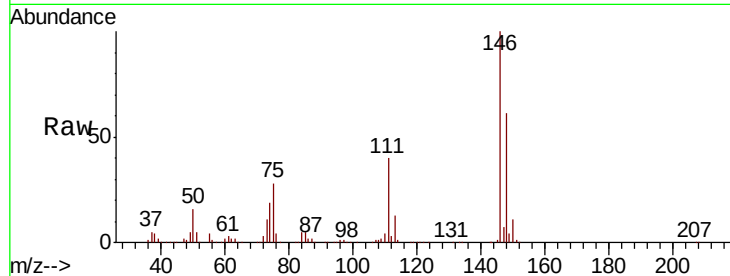
#91
 1,2-Dichlorobenzene
 Concen: 54.980 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110518

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.1	63.1
148	62.2	31.4	94.3

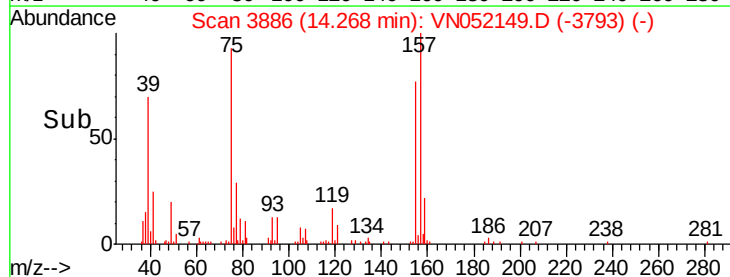
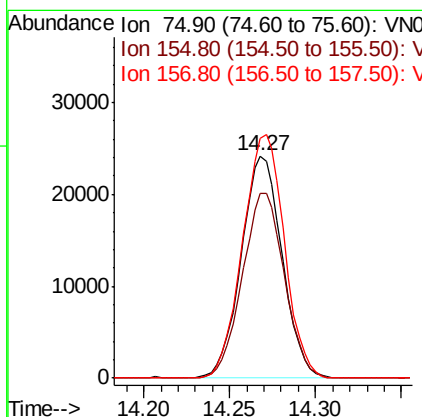
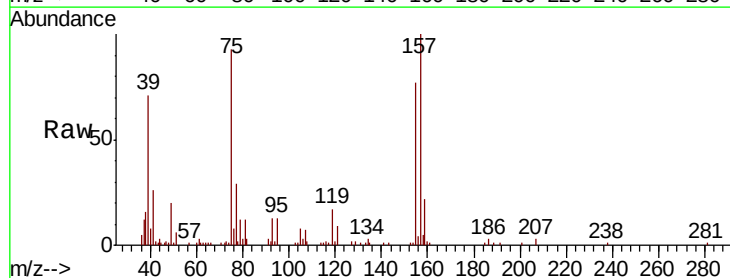
Manual Integrations
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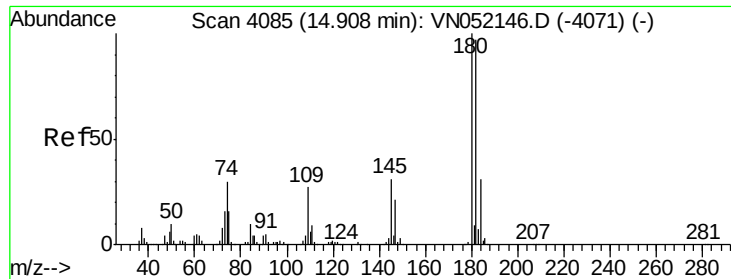
MMDadoda
 11/6/2018 10:00:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.159 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	47.4	142.2
157	111.4	60.3	180.8





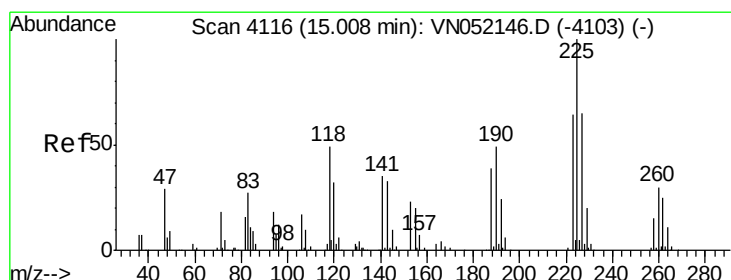
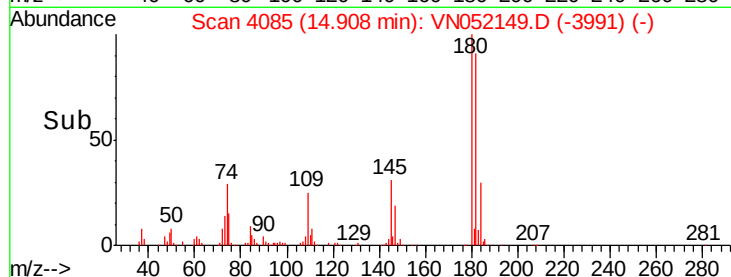
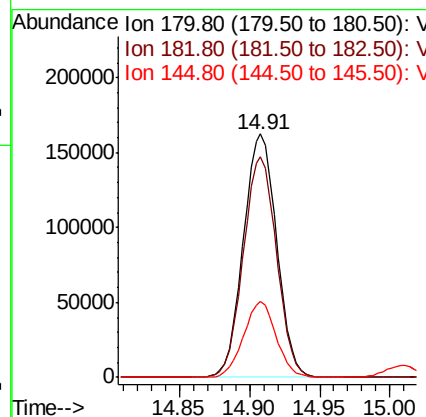
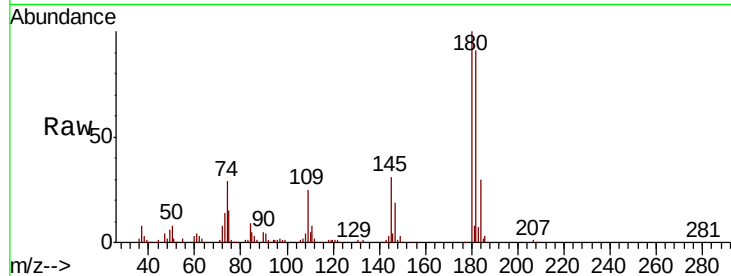
#93
 1,2,4-Trichlorobenzene
 Concen: 61.239 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110518

Tot Ion	Ratio	Resp	Lower	Upper
180	100	268888		
182	90.8	48.1	144.4	
145	30.5	15.3	45.9	

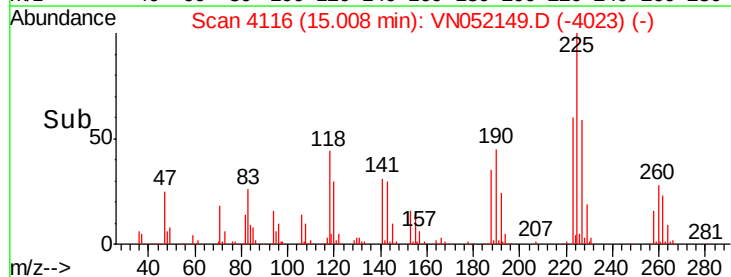
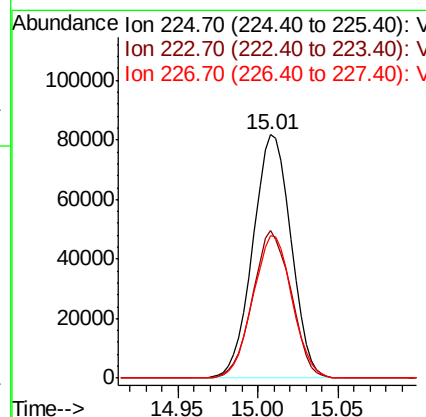
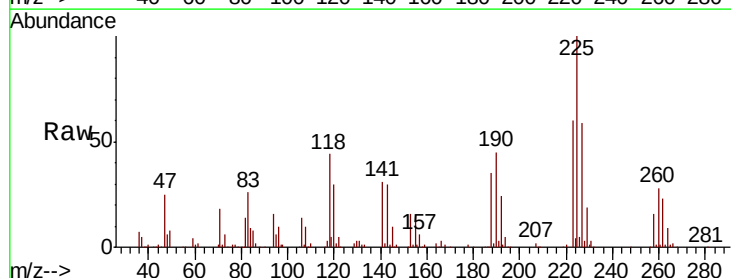
Manual Integrations
 APPROVED

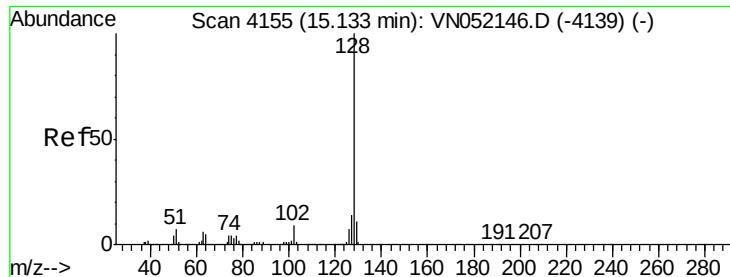
MMDadoda
 11/6/2018 10:00:07 AM



#94
 Hexachlorobutadiene
 Concen: 61.774 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052149.D
 Acq: 5 Nov 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133826		
223	60.8	32.3	96.8	
227	60.1	31.6	94.8	





#95

Naphthalene

Concen: 64.097 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Instrument :

MSVOA_N

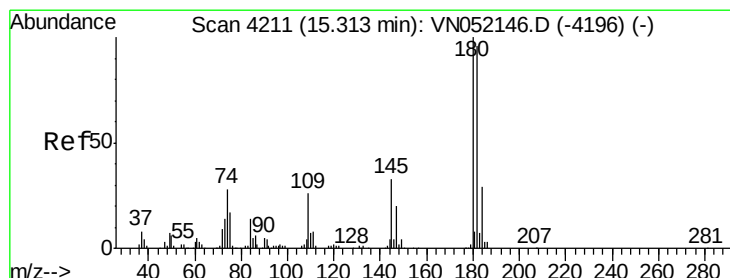
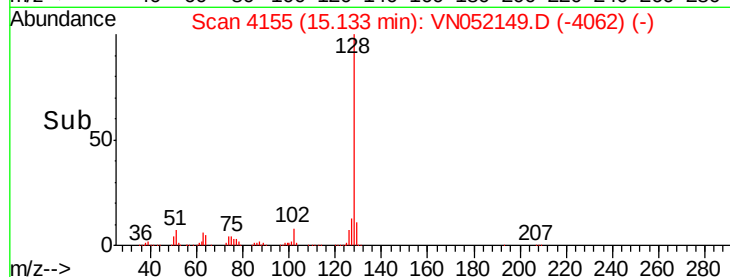
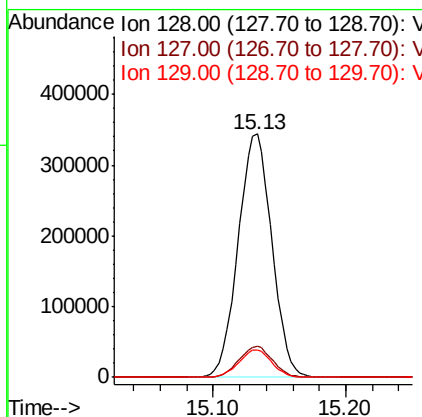
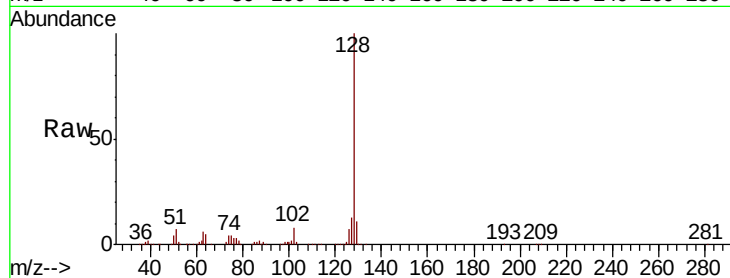
ClientSampleId :

ICVVN110518

Tot Ion:	128	Resp:	605913
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.8	16.2
129	10.9	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
11/6/2018 10:00:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 62.346 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052149.D

Acq: 5 Nov 2018 15:22

Tgt Ion:	180	Resp:	235398
Ion Ratio	Lower	Upper	
180	100		
182	95.8	46.6	139.7
145	31.3	16.7	50.0

