

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049360.D
 Acq On : 18 Jun 2018 22:57
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:44 PM

Quant Time: Jun 19 04:02:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1408026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2129229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1951897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1013371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	967126	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
35) Dibromofluoromethane	7.59	113	857344	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.09	98	3231658	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.40	95	1119323	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	699582	43.167	ug/l	100
3) Chloromethane	2.06	50	888324	42.448	ug/l	97
4) Vinyl Chloride	2.18	62	992409	44.620	ug/l	100
5) Bromomethane	2.56	94	406690	34.784	ug/l	94
6) Chloroethane	2.70	64	634366	47.836	ug/l	100
7) Trichlorofluoromethane	3.01	101	1313917	47.355	ug/l	100
8) Diethyl Ether	3.41	74	492112	50.801	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	824686	46.862	ug/l	93
10) Methyl Iodide	3.95	142	843796	46.059	ug/l	92
11) Tert butyl alcohol	4.80	59	323382	295.032	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	749430	46.421	ug/l	92
13) Acrolein	3.61	56	203539	177.075	ug/l	99
14) Allyl chloride	4.32	41	1242554	48.744	ug/l	89
15) Acrylonitrile	4.99	53	1557913	284.247	ug/l	98
16) Acetone	3.82	43	1068330	235.606	ug/l	91
17) Carbon Disulfide	4.05	76	2154009	42.568	ug/l	100
18) Methyl Acetate	4.33	43	798393	57.746	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	2289985	55.633	ug/l	100
20) Methylene Chloride	4.55	84	911623	48.137	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	825671	48.308	ug/l	92
22) Diisopropyl ether	5.96	45	2704218	53.123	ug/l	96
23) Vinyl Acetate	5.90	43	9281716	279.693	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1611896	49.473	ug/l	98
25) 2-Butanone	6.84	43	1701536	279.463	ug/l	97
26) 2,2-Dichloropropane	6.83	77	1022438	38.857	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	943145	49.633	ug/l	91
28) Bromochloromethane	7.20	49	747375	51.740	ug/l	85
29) Tetrahydrofuran	7.22	42	1148626	293.071	ug/l	94
30) Chloroform	7.37	83	1627825	50.203	ug/l	99
31) Cyclohexane	7.65	56	1360168	49.242	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	1385731	50.087	ug/l	96
36) 1,1-Dichloropropene	7.79	75	1211122	49.629	ug/l	98
37) Ethyl Acetate	6.93	43	787525	59.362	ug/l	97
38) Carbon Tetrachloride	7.78	117	1236312	48.936	ug/l	99

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 ALS Vial : 30 Sample Multiplier: 1

Instrument :
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 VSTDCCC050

Manual Integrations
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 6/19/2018 1:55:44 PM

Quant Time: Jun 19 04:02:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1243181	47.458	ug/l	96
40) Benzene	8.04	78	3667715	49.024	ug/l	99
41) Methacrylonitrile	7.18	41	423272	59.017	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	1169634	50.602	ug/l	96
43) Isopropyl Acetate	8.17	43	1505238	59.384	ug/l	98
44) Trichloroethene	8.84	130	976089	49.406	ug/l	94
45) 1,2-Dichloropropane	9.12	63	984799	50.273	ug/l	99
46) Dibromomethane	9.21	93	588807	51.838	ug/l	91
47) Bromodichloromethane	9.41	83	1265882	50.715	ug/l	97
48) Methyl methacrylate	9.20	41	709070	59.403	ug/l	88
49) 1,4-Dioxane	9.20	88	192737	1169.915	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	3967349	298.637	ug/l	94
52) Toluene	10.16	92	2274404	51.797	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1238050	51.848	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1405636	49.855	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	847265	51.759	ug/l	98
56) Ethyl methacrylate	10.43	69	1117296	59.164	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1425287	52.559	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1755116	259.392	ug/l	95
59) 2-Hexanone	10.75	43	2581799	301.444	ug/l	92
60) Dibromochloromethane	10.90	129	960223	52.557	ug/l	98
61) 1,2-Dibromoethane	11.01	107	816599	53.668	ug/l	100
64) Tetrachloroethene	10.63	164	1021059	51.050	ug/l	98
65) Chlorobenzene	11.44	112	2469405	49.111	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	921116	48.679	ug/l	99
67) Ethyl Benzene	11.51	91	4319683	51.793	ug/l	98
68) m/p-Xylenes	11.63	106	3307832	105.681	ug/l	97
69) o-Xylene	11.95	106	1597099	52.976	ug/l	96
70) Styrene	11.97	104	2631444	55.327	ug/l	97
71) Bromoform	12.13	173	657545	53.684	ug/l	99
73) Isopropylbenzene	12.25	105	4275439	48.051	ug/l	98
74) N-amyl acetate	12.07	43	1225742	56.244	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	1025131	56.287	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	853235m	49.346	ug/l	
77) Bromobenzene	12.53	156	1072961	45.654	ug/l	92
78) n-propylbenzene	12.59	91	4860835	49.755	ug/l	99
79) 2-Chlorotoluene	12.68	91	2924674	47.247	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3501410	50.066	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	270881	49.514	ug/l	92
82) 4-Chlorotoluene	12.78	91	2935642	49.157	ug/l	97
83) tert-Butylbenzene	13.00	119	3006194	48.520	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3549675	51.093	ug/l	98
85) sec-Butylbenzene	13.17	105	3968712	48.126	ug/l	99
86) p-Isopropyltoluene	13.29	119	3438046	49.901	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1889598	48.873	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1839818	48.011	ug/l	99
89) n-Butylbenzene	13.62	91	2705291	50.271	ug/l	98
90) Hexachloroethane	13.88	117	656604	50.370	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	1860958	49.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	160225	51.724	ug/l	87

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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Quant Time: Jun 19 04:02:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	803521	46.591	ug/l	99
94) Hexachlorobutadiene	15.01	225	536792	48.304	ug/l	99
95) Naphthalene	15.14	128	1675355	53.664	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	814234	48.068	ug/l	98

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

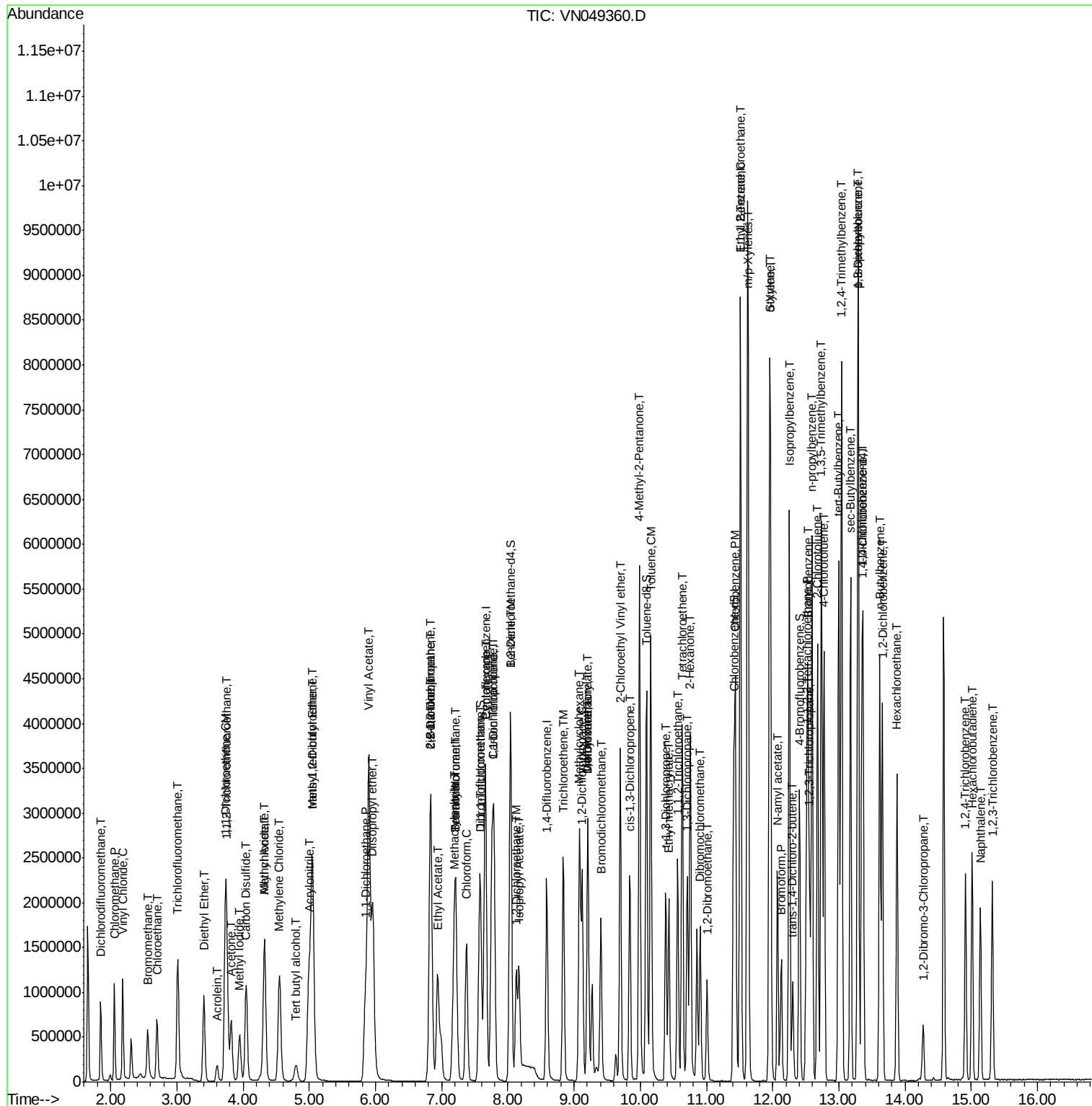
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
Data File : VN049360.D
Acq On : 18 Jun 2018 22:57
Operator : MD\SY
Sample : VSTDCCC050
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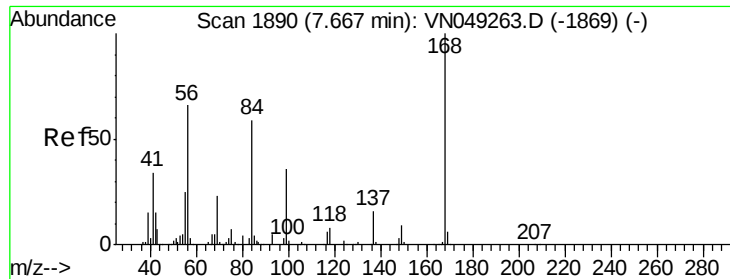
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:55:44 PM

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1408026

Ion Ratio Lower Upper

168 100

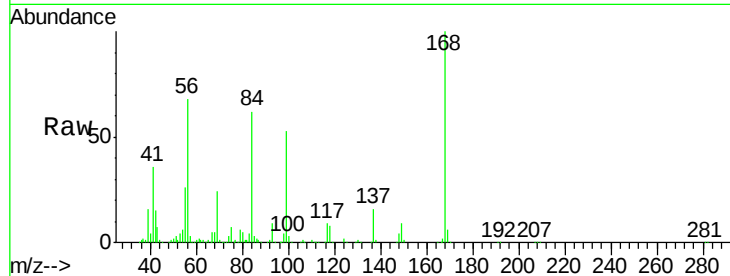
99 52.5 45.8 68.6

Manual Integrations

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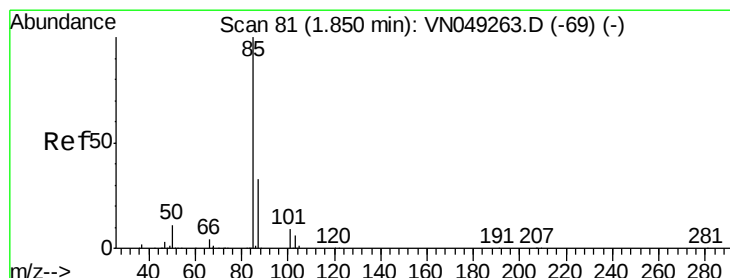
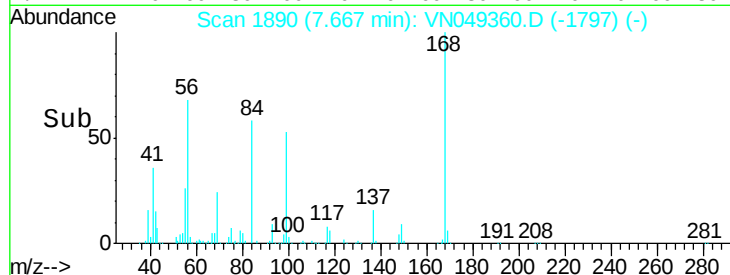
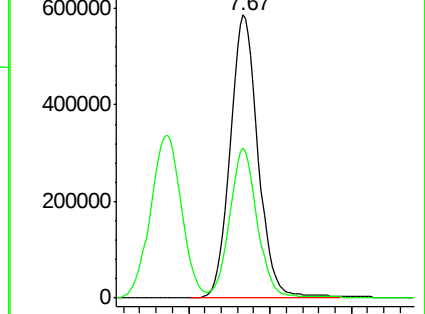
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.167 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049360.D

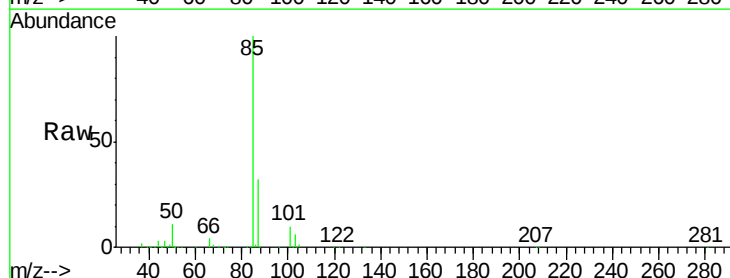
Acq: 18 Jun 2018 22:57

Tgt Ion: 85 Resp: 699582

Ion Ratio Lower Upper

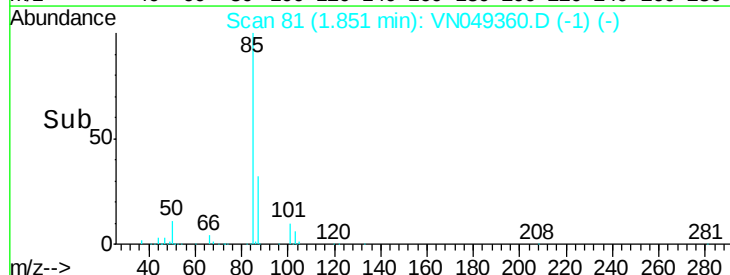
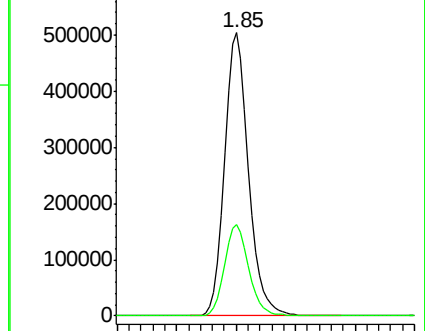
85 100

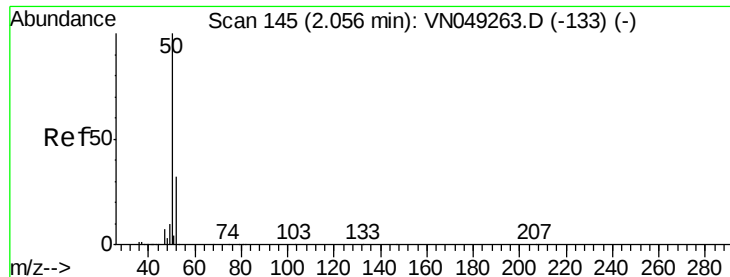
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.448 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 888324

Ion Ratio Lower Upper

50 100

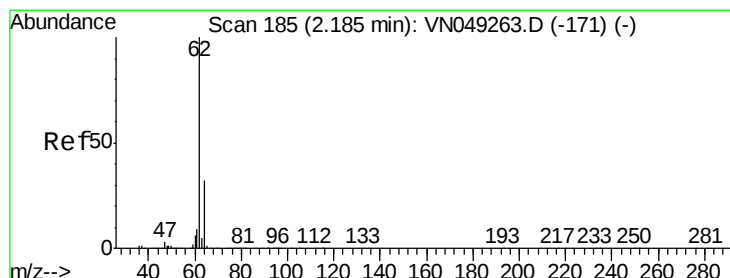
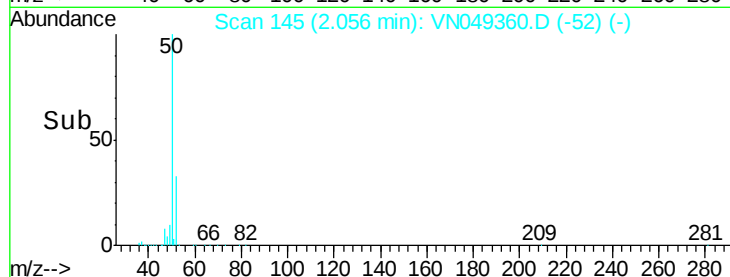
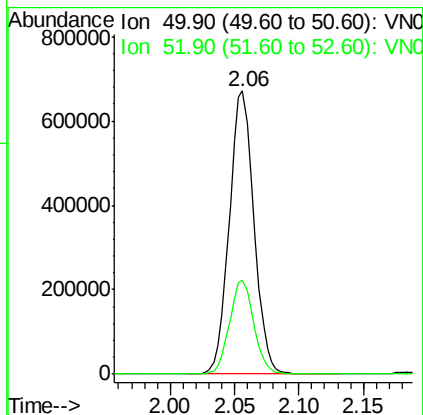
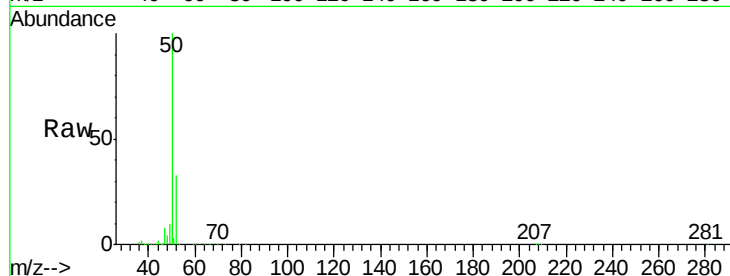
52 33.2 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.620 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049360.D

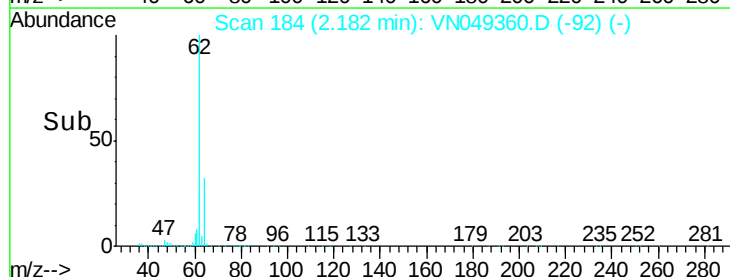
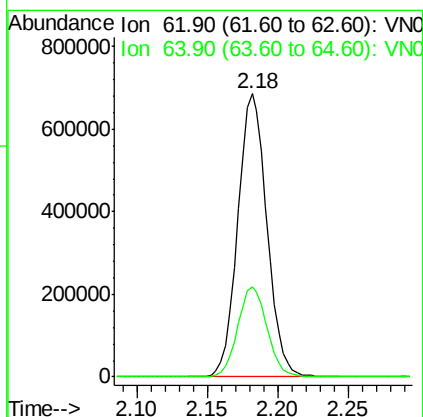
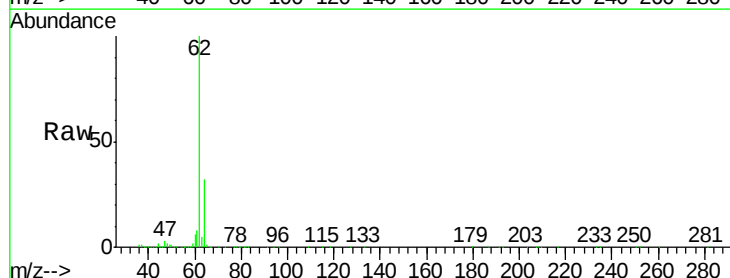
Acq: 18 Jun 2018 22:57

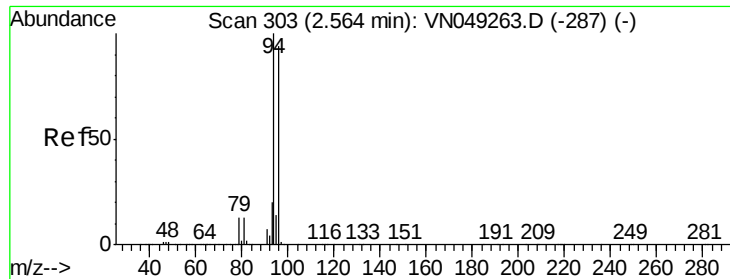
Tgt Ion: 62 Resp: 992409

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5





#5

Bromomethane

Concen: 34.784 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.01 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Tot Ion: 94 Resp: 406690

Ion Ratio Lower Upper

94 100

96 96.7 72.8 109.2

Instrument :

MSVOA_N

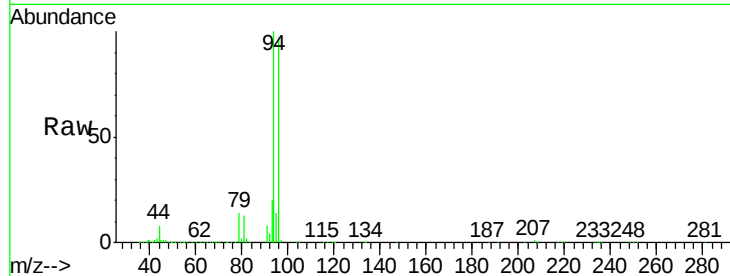
ClientSampleId :

VSTDCCC050

Manual Integrations
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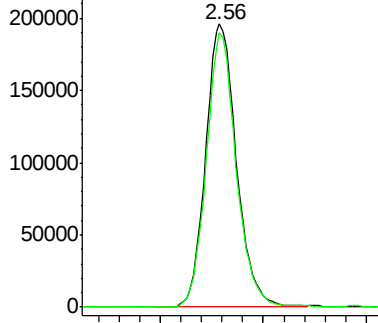
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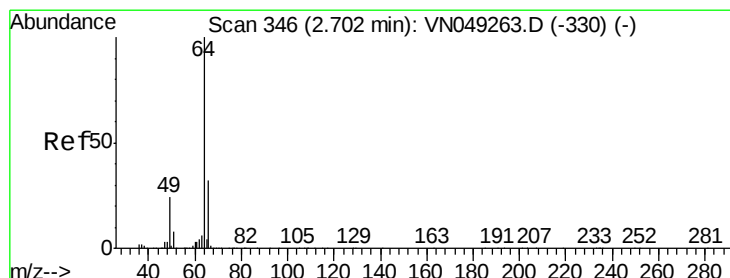
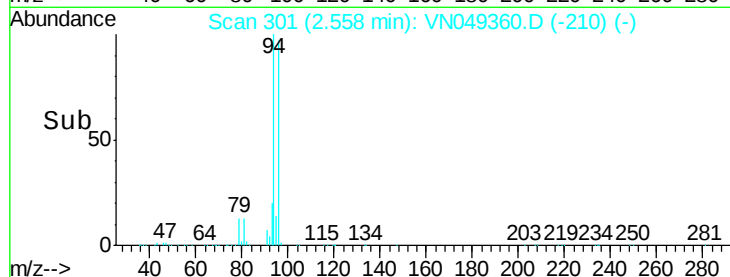


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 47.836 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049360.D

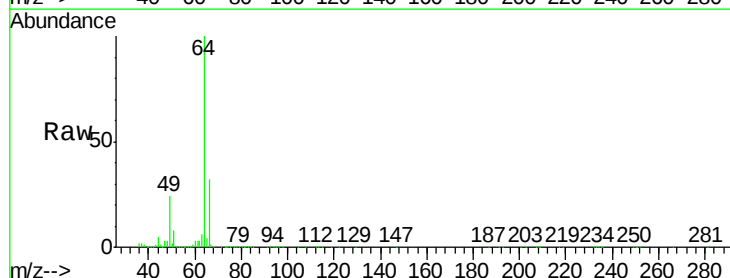
Acq: 18 Jun 2018 22:57

Tgt Ion: 64 Resp: 634366

Ion Ratio Lower Upper

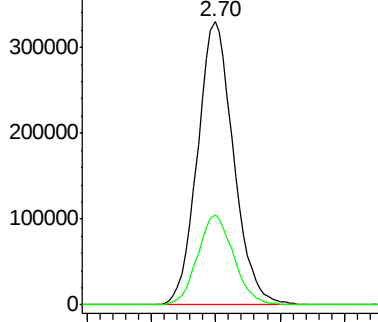
64 100

66 31.8 25.6 38.4

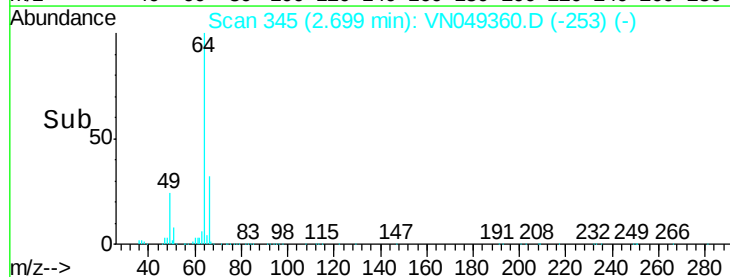


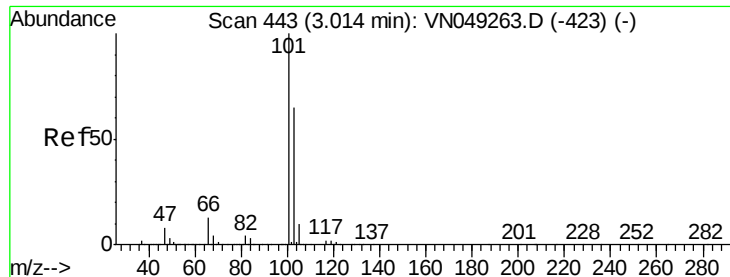
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

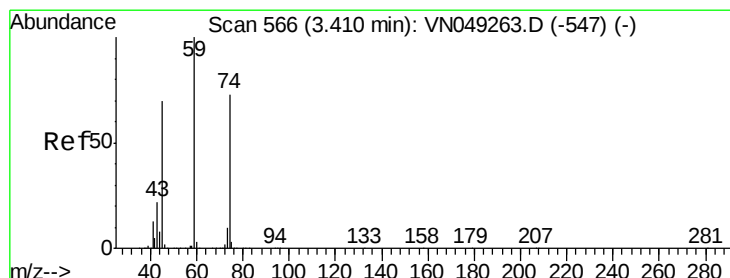
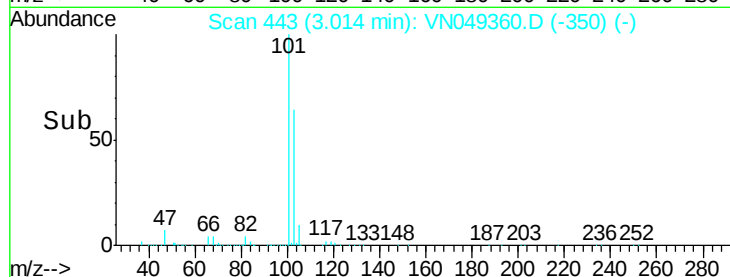
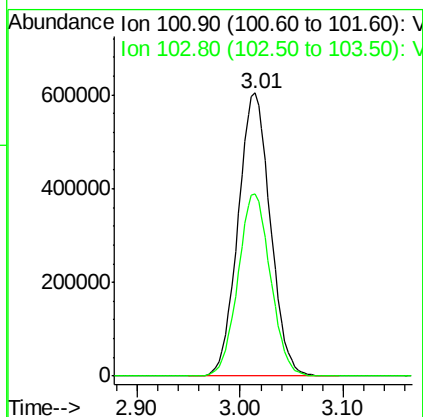
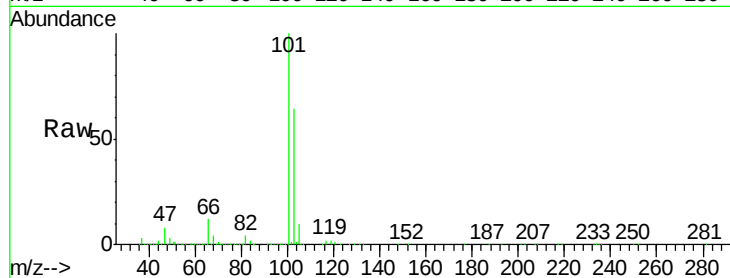
Trichlorofluoromethane
Concen: 47.355 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 1313917
Ion Ratio Lower Upper
101 100
103 64.2 51.7 77.5

Manual Integrations
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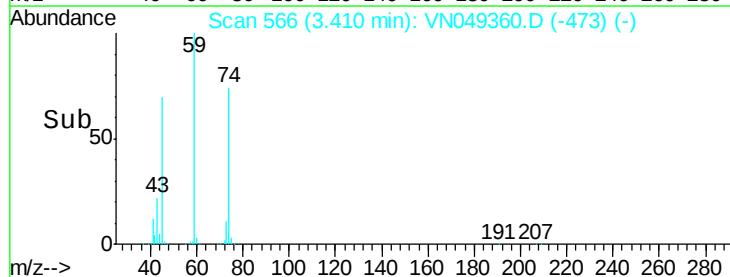
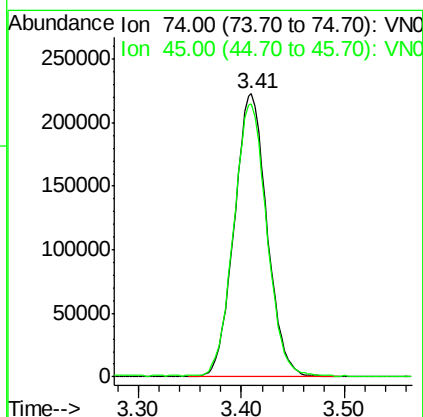
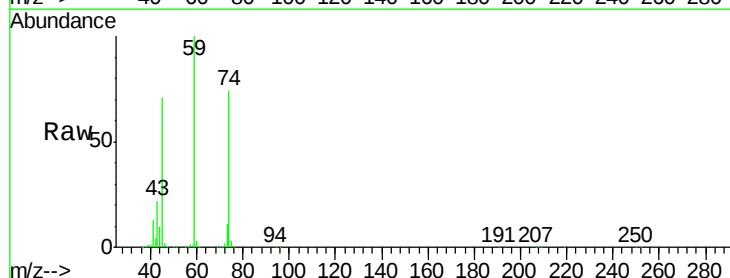
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#8

Diethyl Ether
Concen: 50.801 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion: 74 Resp: 492112
Ion Ratio Lower Upper
74 100
45 96.8 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.862 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

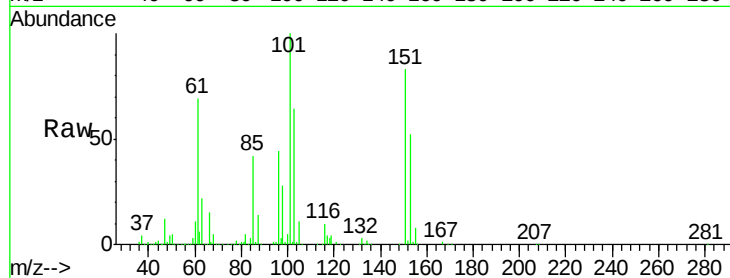
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	824686
Ion Ratio	Lower	Upper	
101	100		
85	42.7	37.6	56.4
151	82.4	61.1	91.7

Manual Integrations
APPROVED

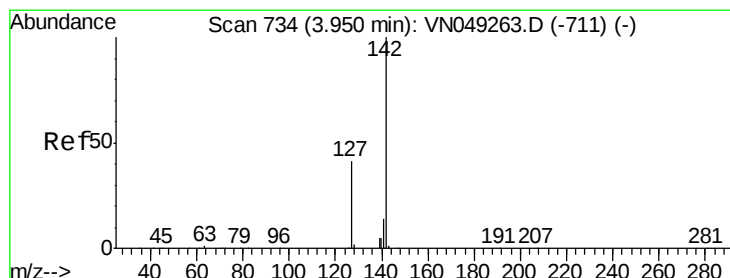
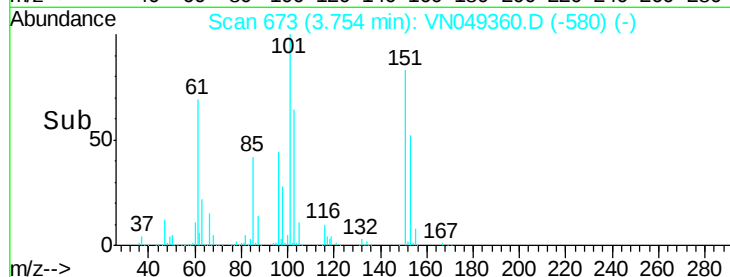
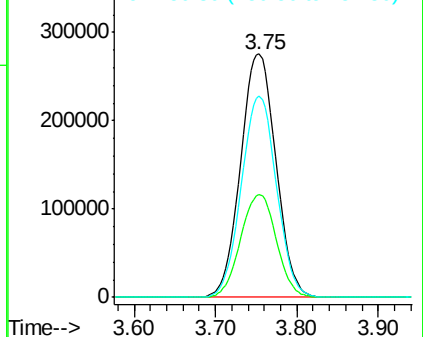
MMDadoda
6/19/2018 1:55:44 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN049360.D (-641) (-)

Ion 150.80 (150.50 to 151.50): VN049360.D (-641) (-)



#10

Methyl Iodide

Concen: 46.059 ug/l

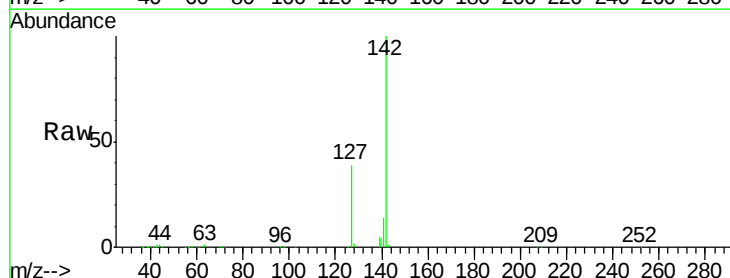
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

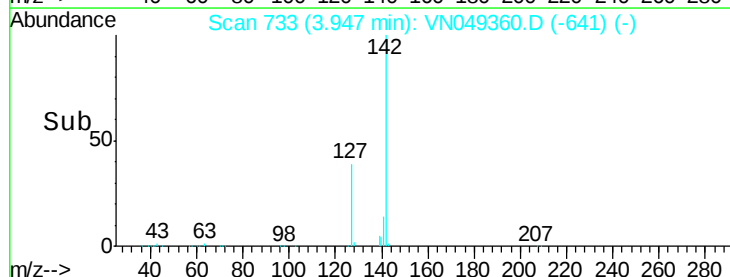
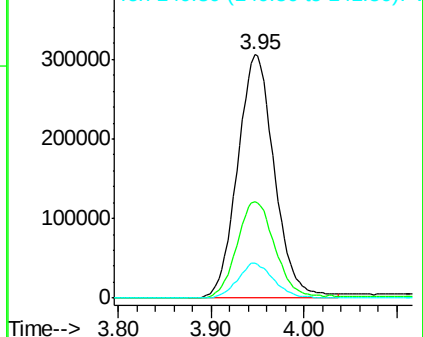
Tgt Ion:	142	Resp:	843796
Ion Ratio	Lower	Upper	
142	100		
127	40.8	38.2	57.4
141	14.1	11.9	17.9

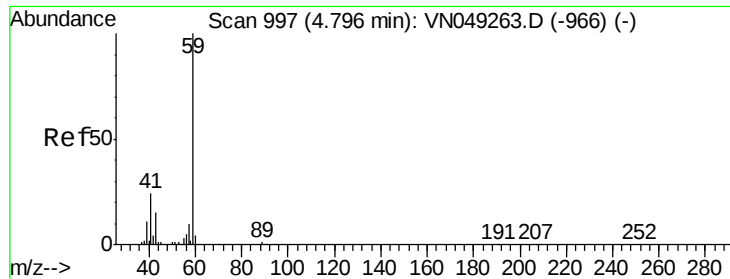


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): VN049360.D (-641) (-)

Ion 140.80 (140.50 to 141.50): VN049360.D (-641) (-)





#11

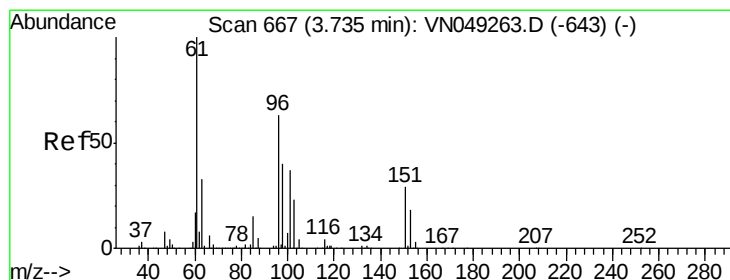
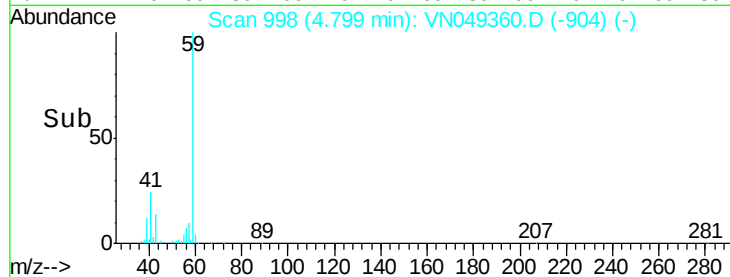
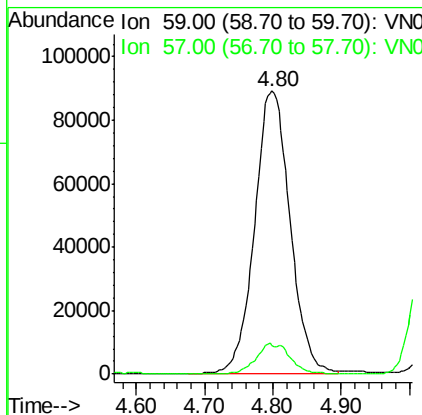
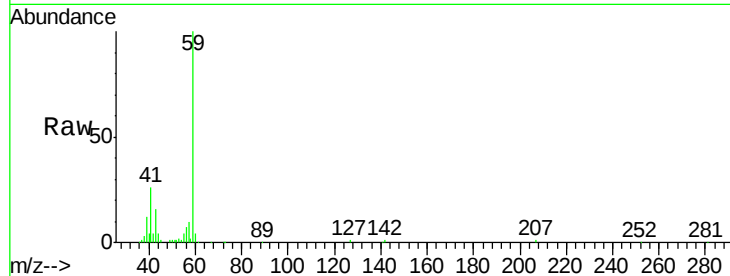
Tert butyl alcohol
 Concen: 295.032 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.2	9.0	13.6#

Manual Integrations
 APPROVED

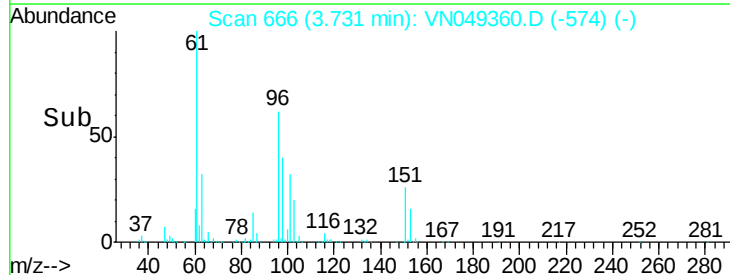
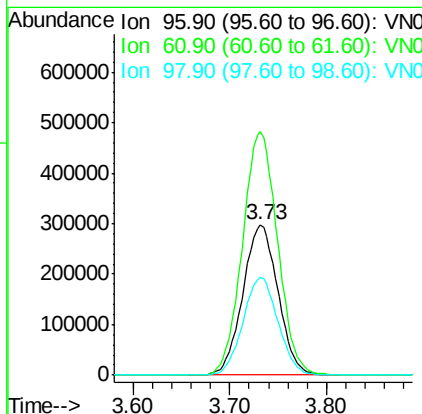
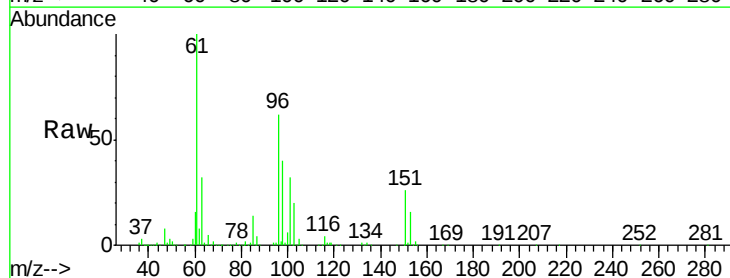
MMDadoda
 6/19/2018 1:55:44 PM

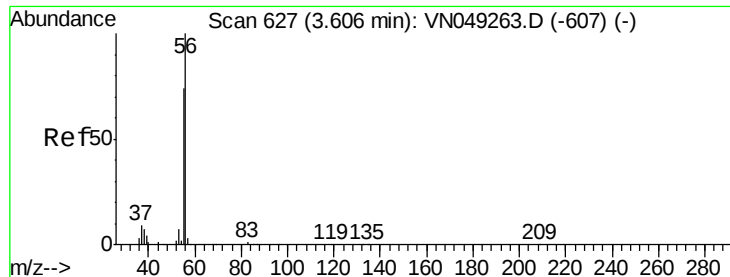


#12

1,1-Dichloroethene
 Concen: 46.421 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.0	141.0	211.4
98	65.0	50.4	75.6





#13

Acrolein

Concen: 177.075 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 203539

Ion Ratio Lower Upper

56 100

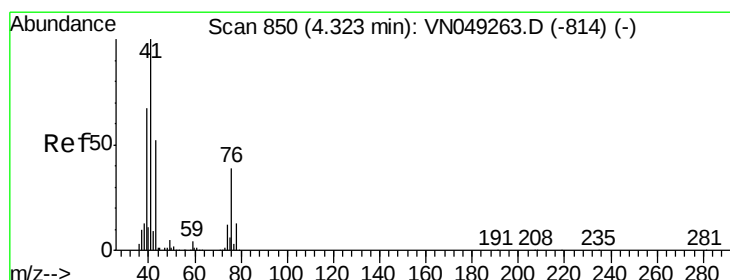
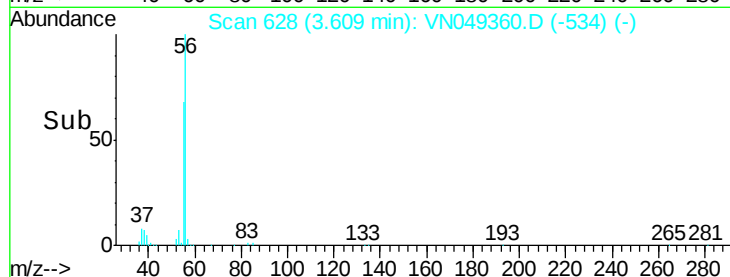
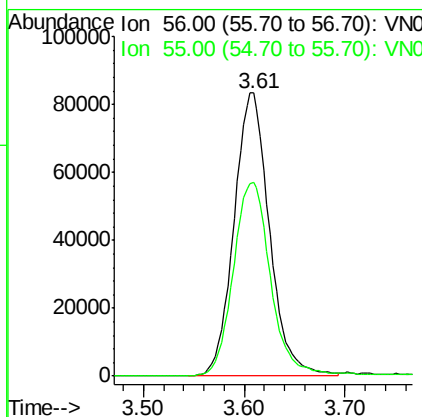
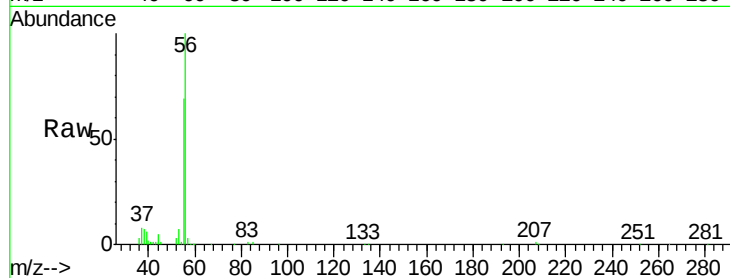
55 71.9 57.1 85.7

Manual Integrations

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MMDadoda

6/19/2018 1:55:44 PM



#14

Allyl chloride

Concen: 48.744 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

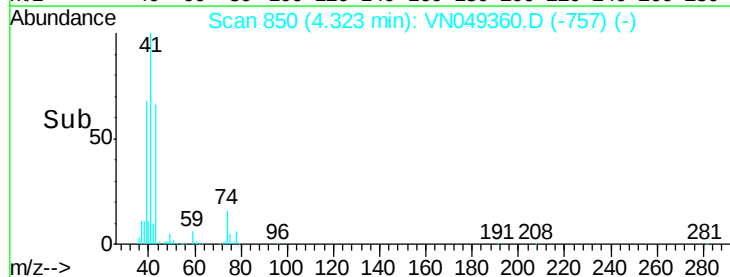
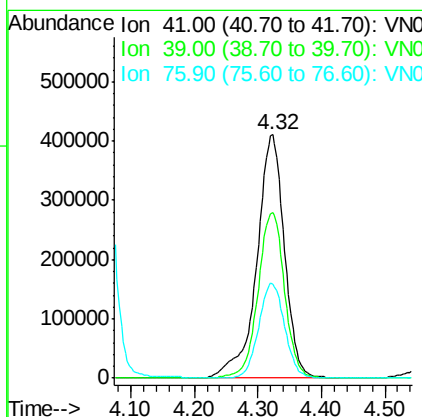
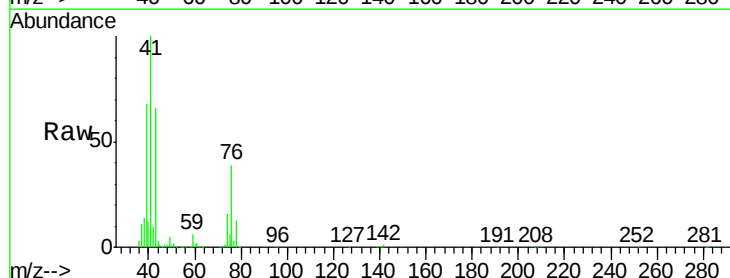
Tgt Ion: 41 Resp: 1242554

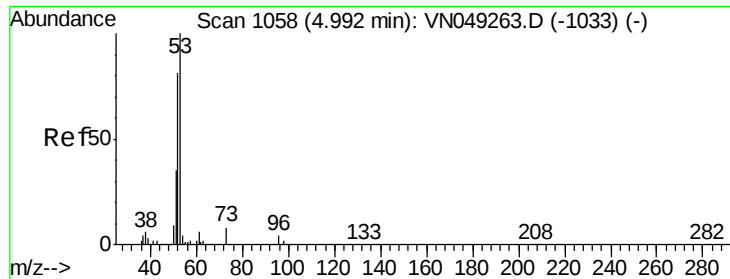
Ion Ratio Lower Upper

41 100

39 65.4 62.5 93.7

76 36.4 27.1 40.7





#15
 Acrylonitrile
 Concen: 284.247 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

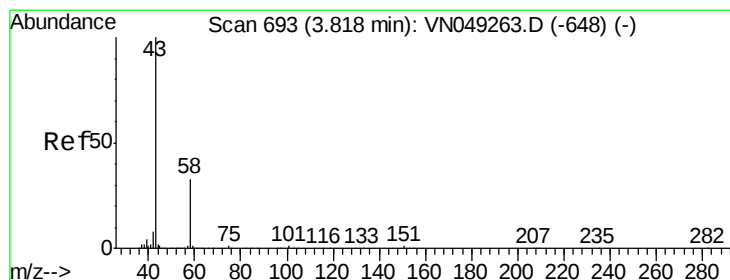
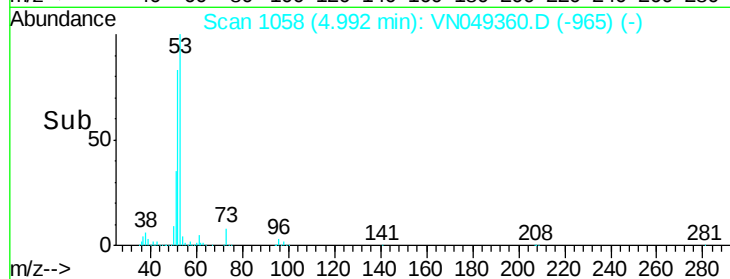
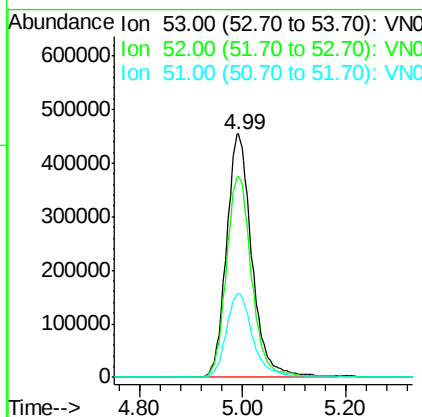
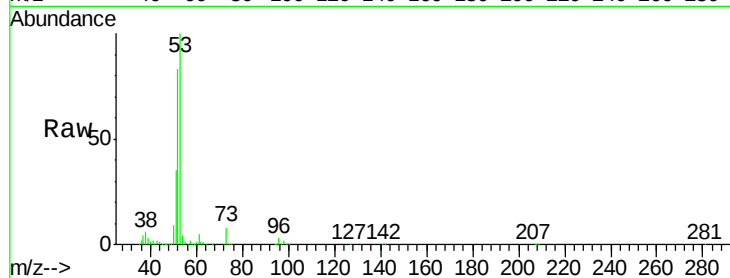
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 53 Resp: 1557913

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.6	100.0
51	36.0	29.8	44.8

Manual Integrations
 APPROVED

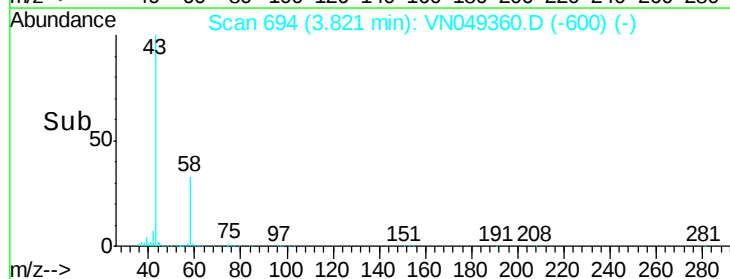
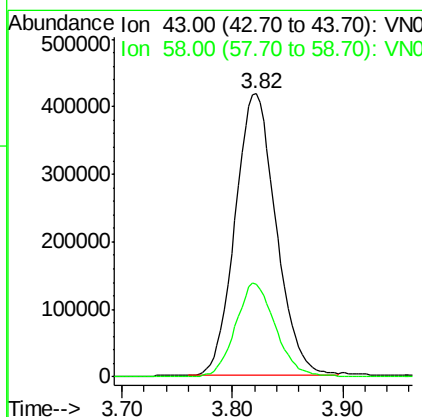
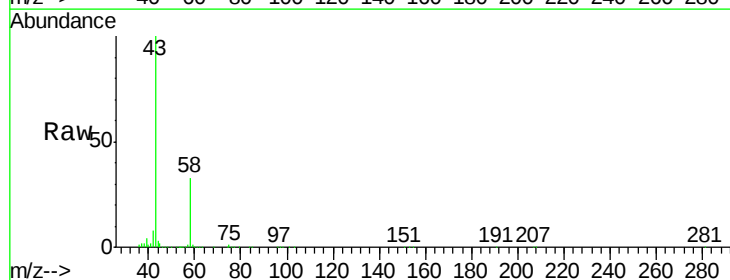
MMDadoda
 6/19/2018 1:55:44 PM

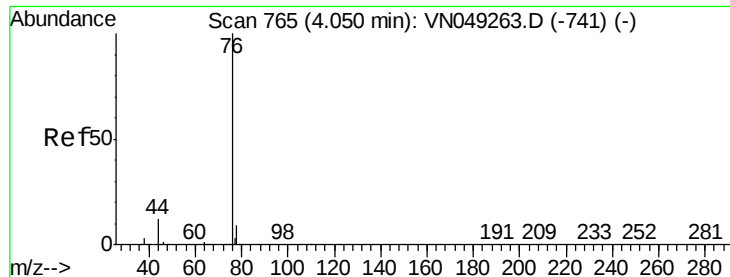


#16
 Acetone
 Concen: 235.606 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Tgt Ion: 43 Resp: 1068330

Ion	Ratio	Lower	Upper
43	100		
58	32.7	22.4	33.6





#17

Carbon Disulfide

Concen: 42.568 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 2154009

Ion Ratio Lower Upper

76 100

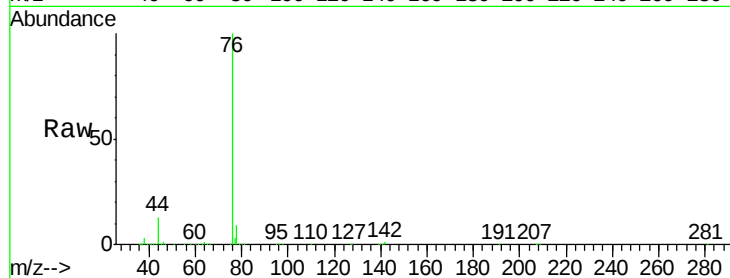
78 9.2 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

800000

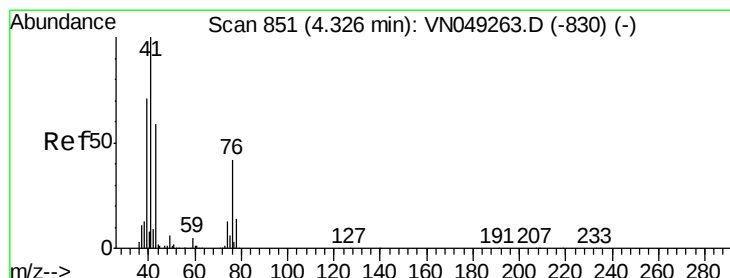
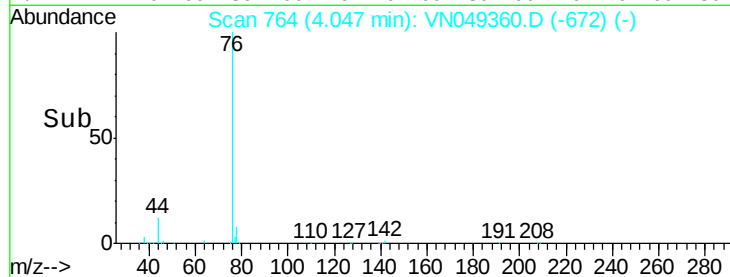
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 57.746 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049360.D

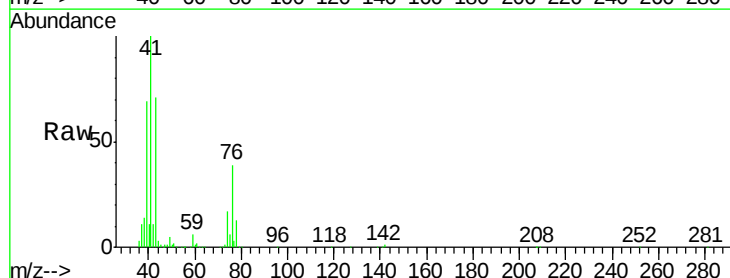
Acq: 18 Jun 2018 22:57

Tgt Ion: 43 Resp: 798393

Ion Ratio Lower Upper

43 100

74 24.3 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

300000

250000

200000

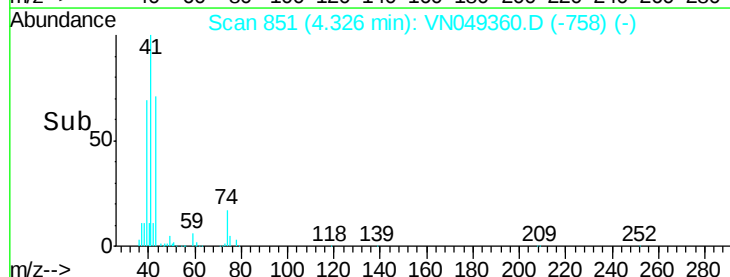
150000

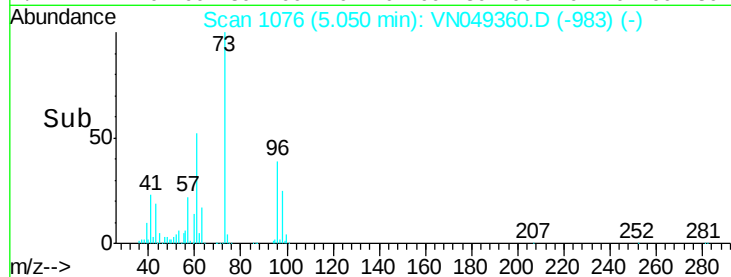
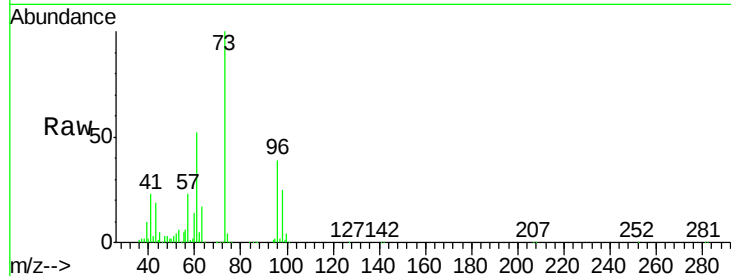
100000

50000

0

Time-->





#19

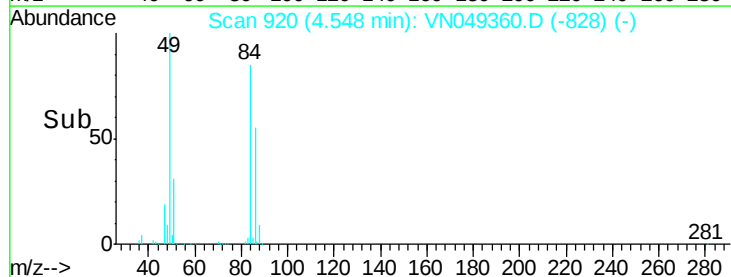
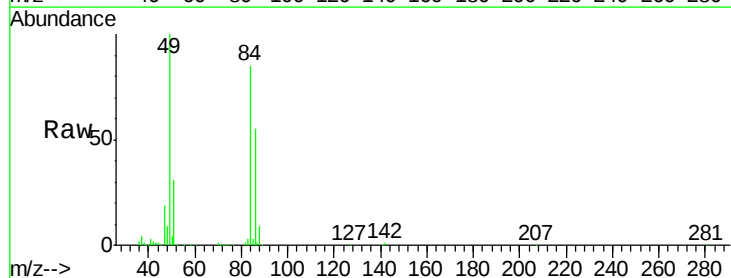
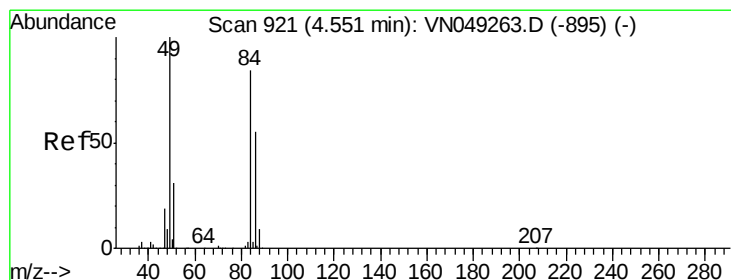
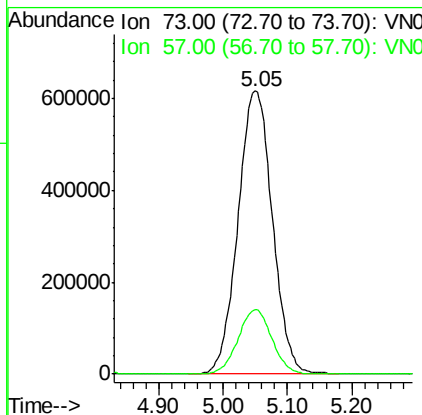
Methyl tert-butyl Ether
Concen: 55.633 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.2	27.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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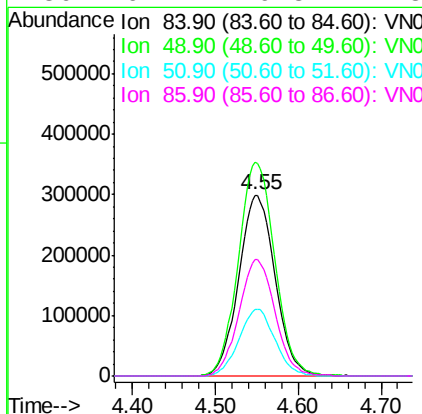
MMDadoda
6/19/2018 1:55:44 PM



#20

Methylene Chloride
Concen: 48.137 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.2	106.9	160.3
51	36.9	32.7	49.1
86	64.7	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 48.308 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

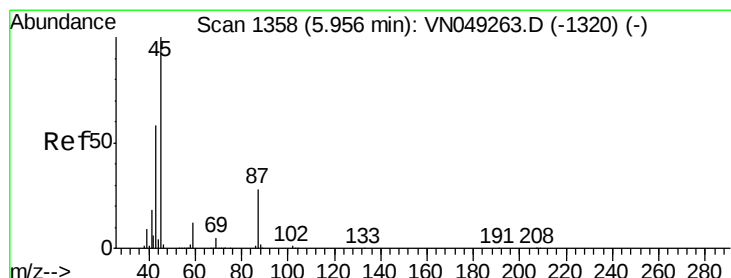
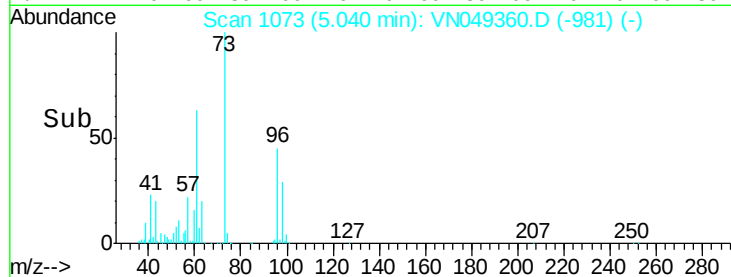
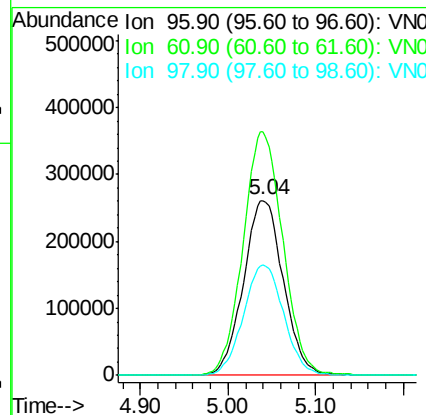
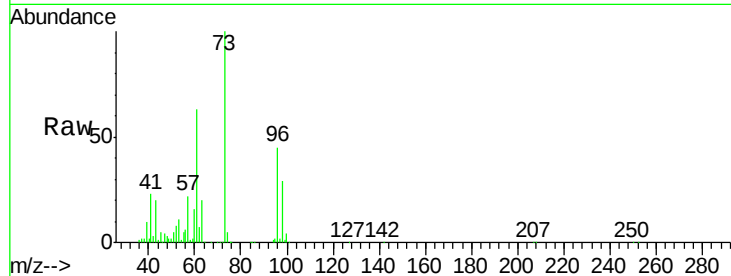
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	825671
Ion	Ratio	Lower	Upper
96	100		
61	139.1	121.3	181.9
98	63.1	52.0	78.0

Manual Integrations
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MMDadoda
6/19/2018 1:55:44 PM



#22

Diisopropyl ether

Concen: 53.123 ug/l

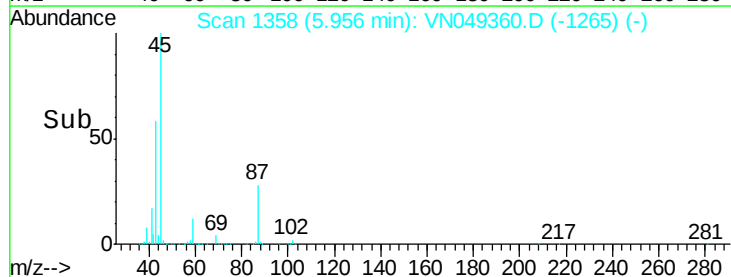
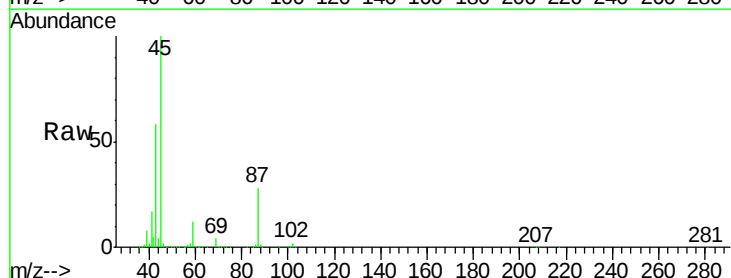
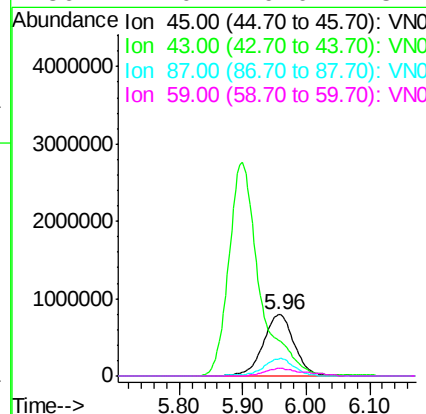
RT: 5.96 min Scan# 1358

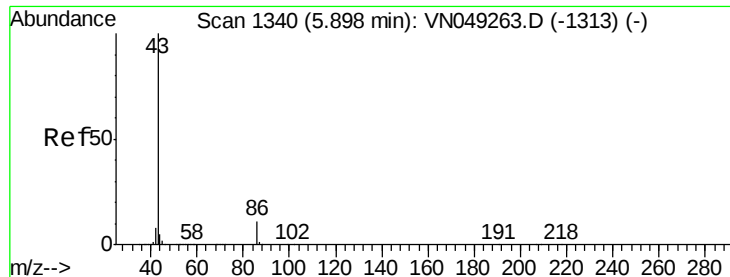
Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Tgt Ion:	45	Resp:	2704218
Ion	Ratio	Lower	Upper
45	100		
43	57.8	48.6	72.8
87	27.7	20.2	30.2
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 279.693 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Tot Ion: 43 Resp: 9281716

Ion Ratio Lower Upper

43 100

86 10.5 7.2 10.8

Instrument :

MSVOA_N

ClientSampleId :

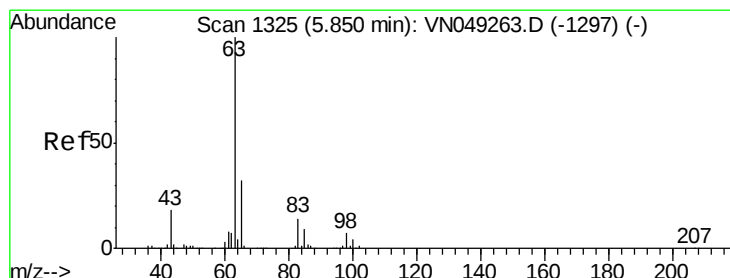
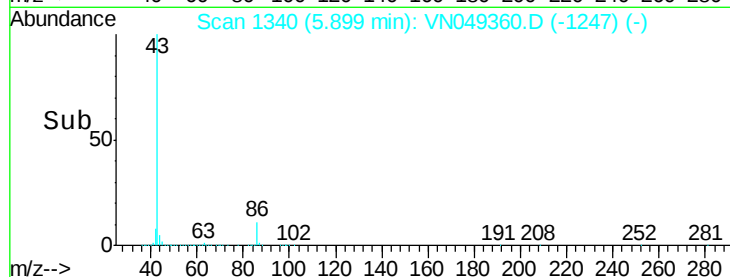
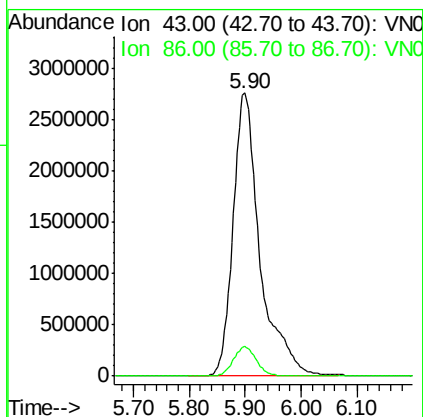
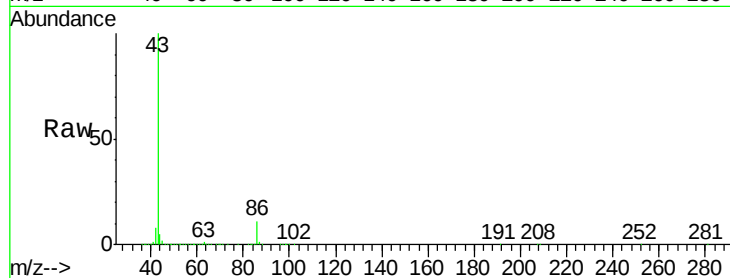
VSTDCCC050

Manual Integrations

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MMDadoda

6/19/2018 1:55:44 PM



#24

1,1-Dichloroethane

Concen: 49.473 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

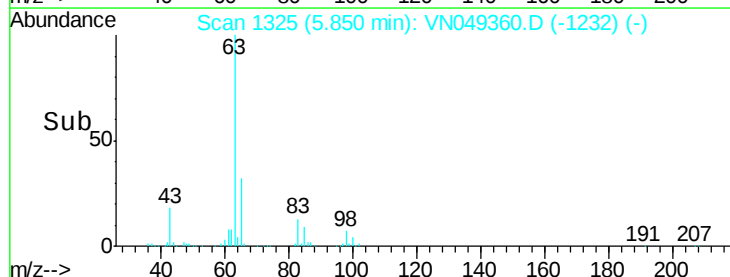
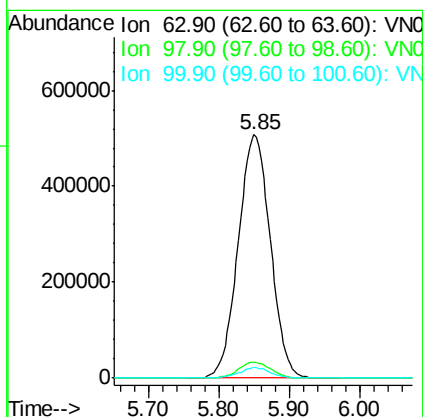
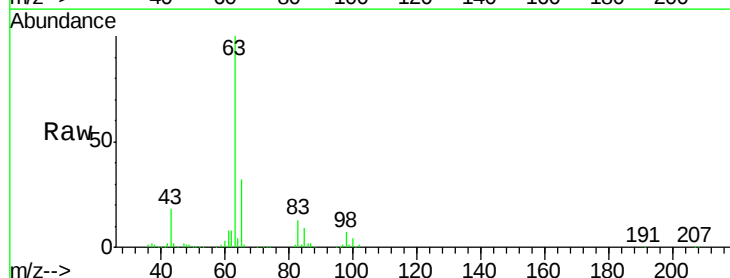
Tgt Ion: 63 Resp: 1611896

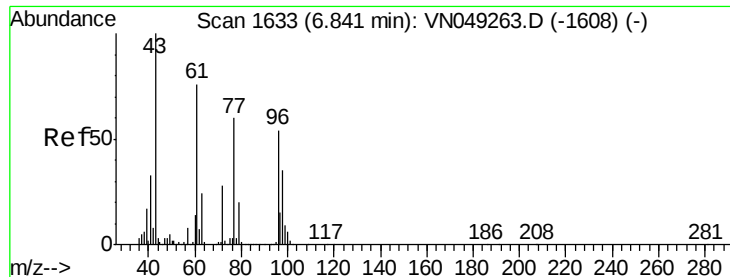
Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.8

100 4.4 2.1 6.3





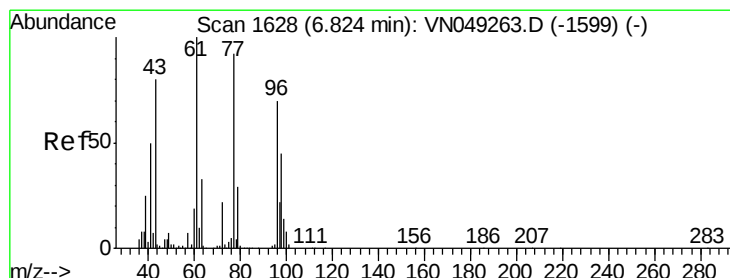
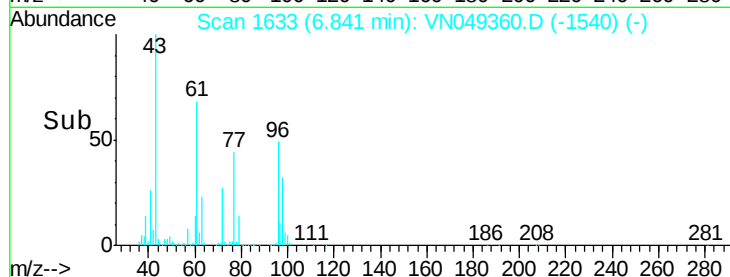
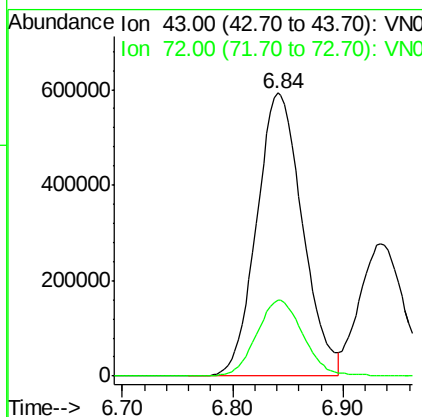
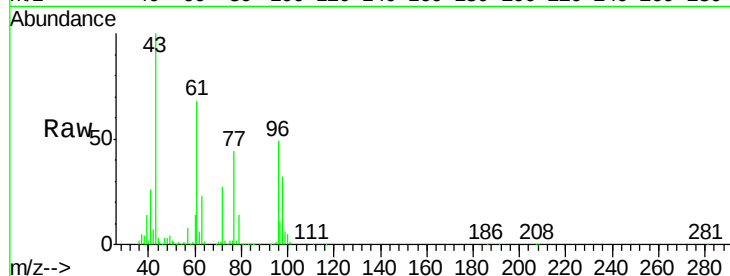
#25
2-Butanone
Concen: 279.463 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1701536
Ion Ratio Lower Upper
43 100
72 26.9 20.2 30.2

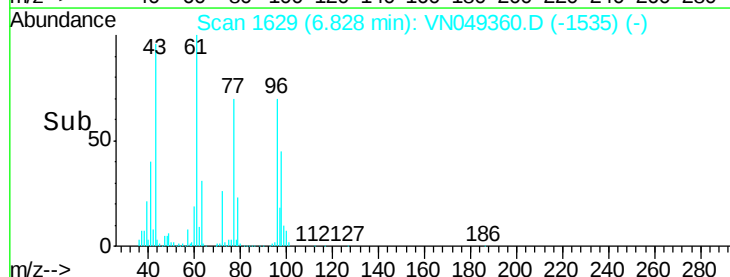
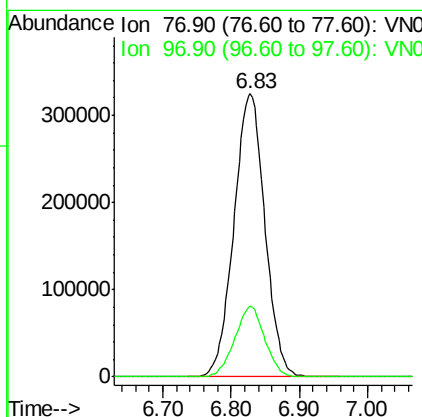
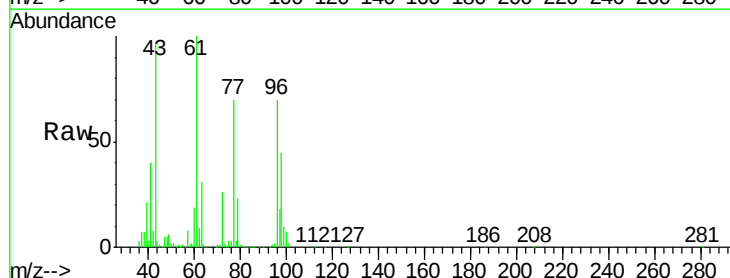
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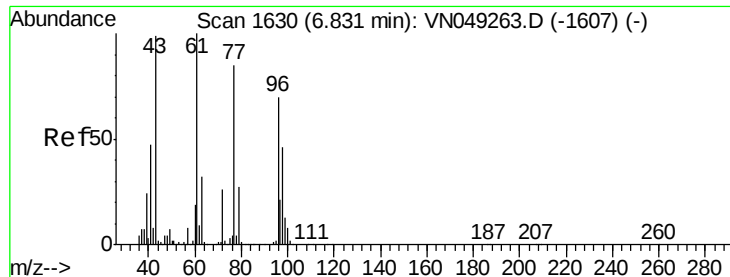
MMDadoda
6/19/2018 1:55:44 PM



#26
2,2-Dichloropropane
Concen: 38.857 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion: 77 Resp: 1022438
Ion Ratio Lower Upper
77 100
97 24.2 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 49.633 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

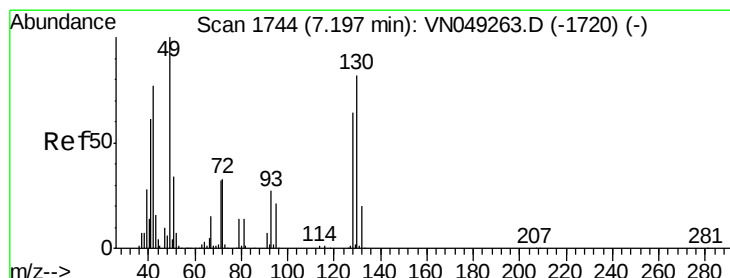
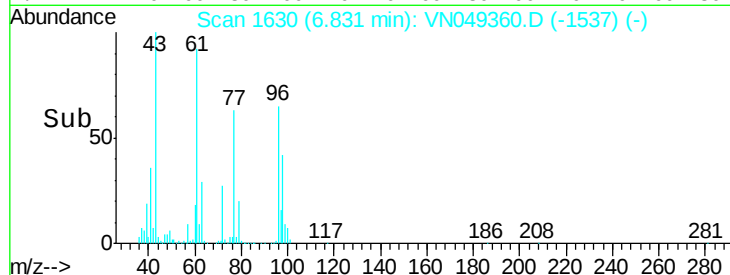
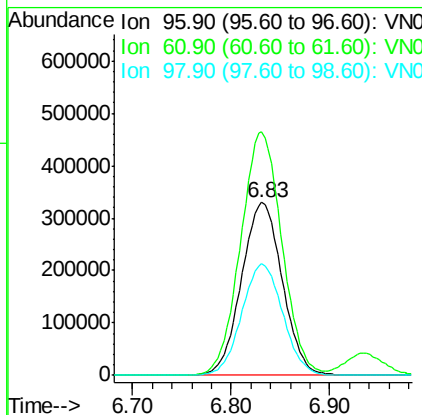
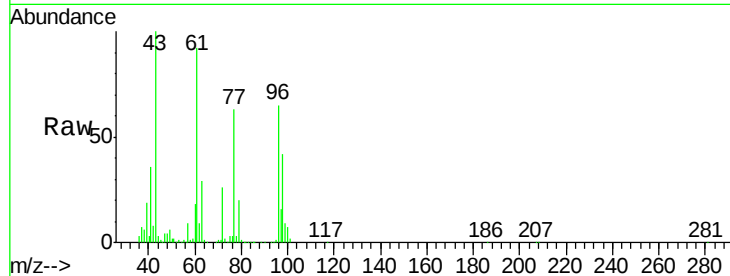
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	943145
Ion Ratio	Lower	Upper	
96	100		
61	142.5	0.0	316.4
98	64.6	0.0	128.4

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#28

Bromochloromethane

Concen: 51.740 ug/l

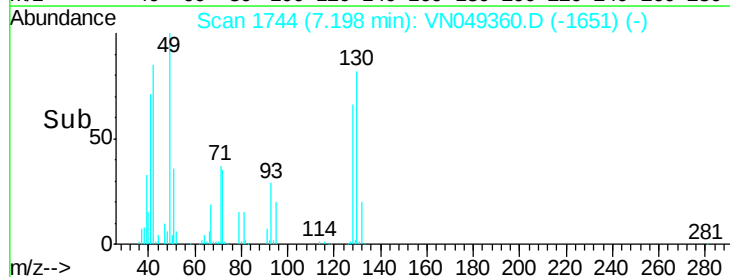
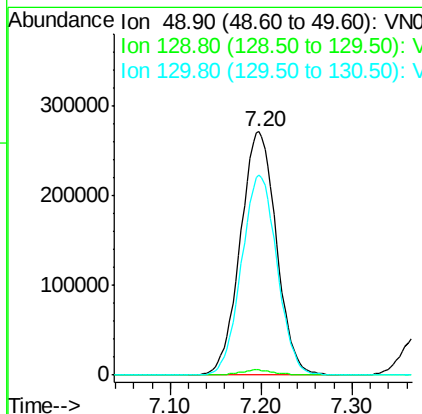
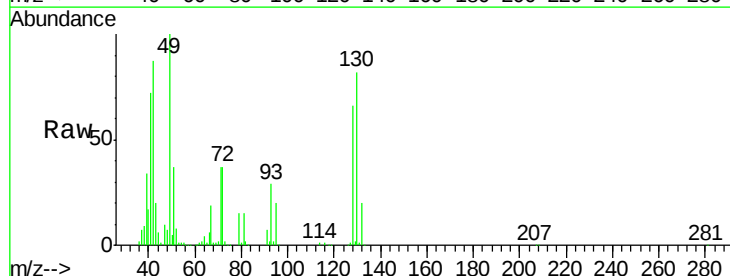
RT: 7.20 min Scan# 1744

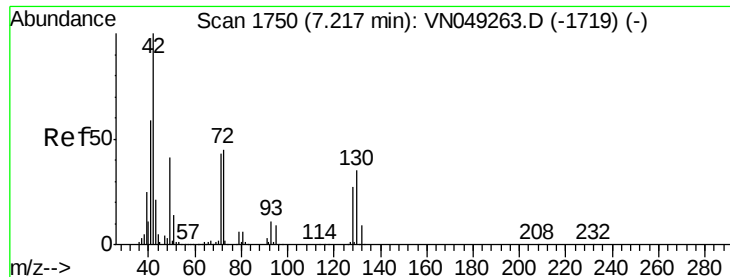
Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Tgt Ion:	49	Resp:	747375
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	81.1	54.9	82.3





#29

Tetrahydrofuran

Concen: 293.071 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 42 Resp: 1148626

Ion Ratio Lower Upper

42 100

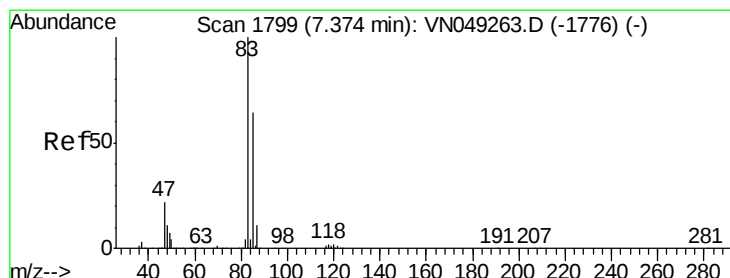
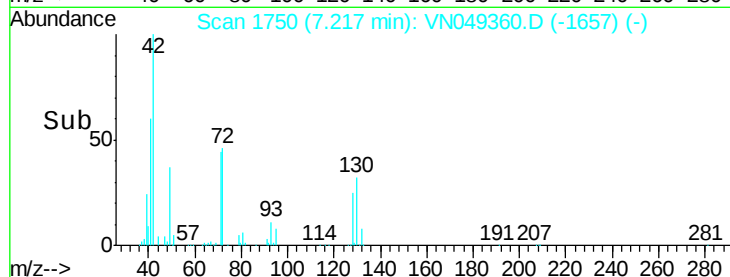
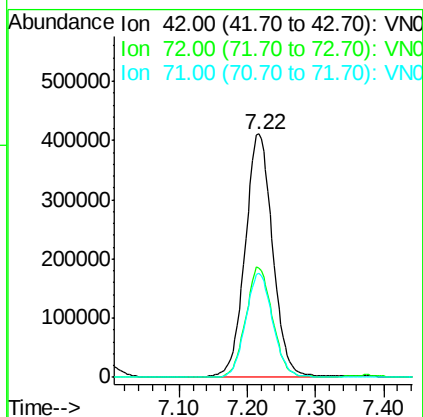
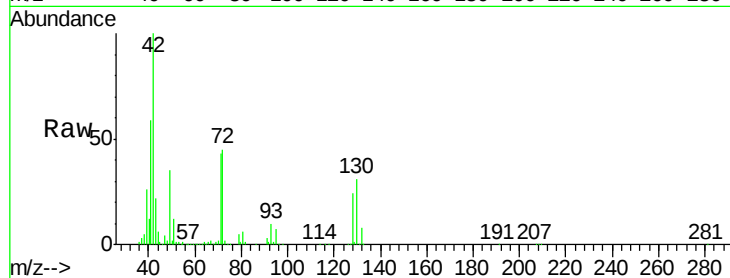
72 44.1 32.2 48.4

71 42.3 30.5 45.7

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#30

Chloroform

Concen: 50.203 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049360.D

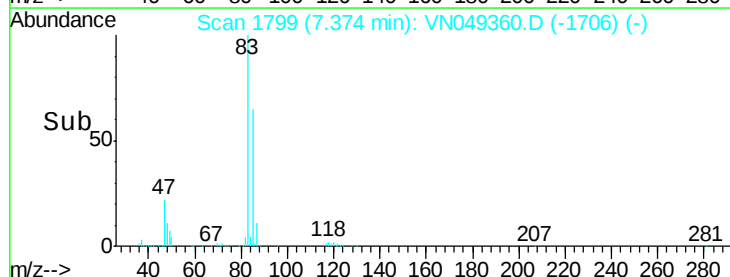
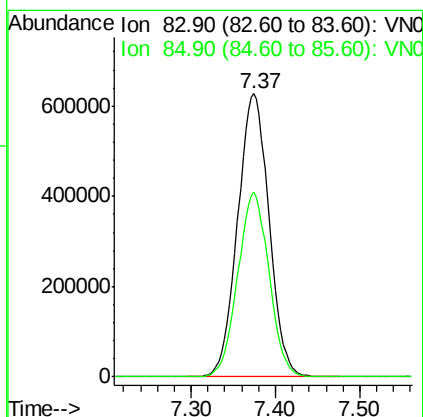
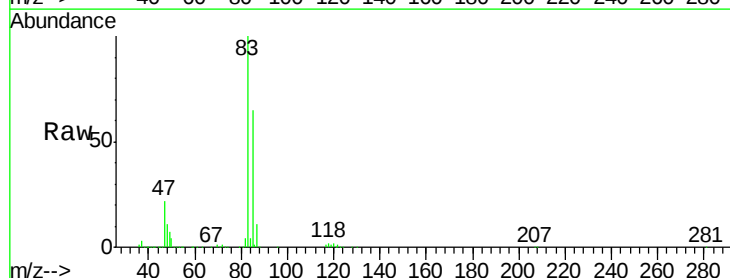
Acq: 18 Jun 2018 22:57

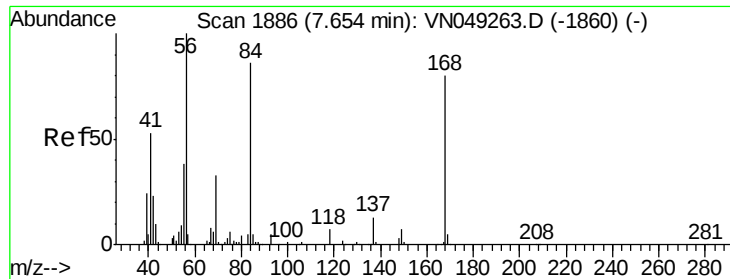
Tgt Ion: 83 Resp: 1627825

Ion Ratio Lower Upper

83 100

85 65.3 51.7 77.5





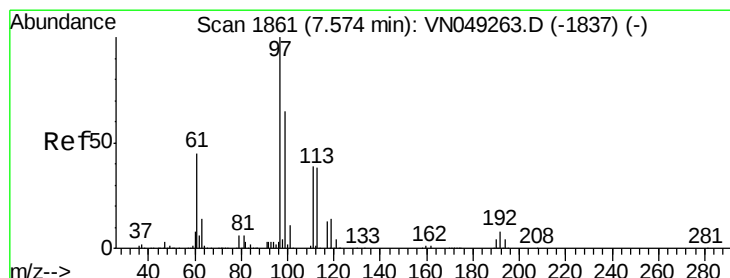
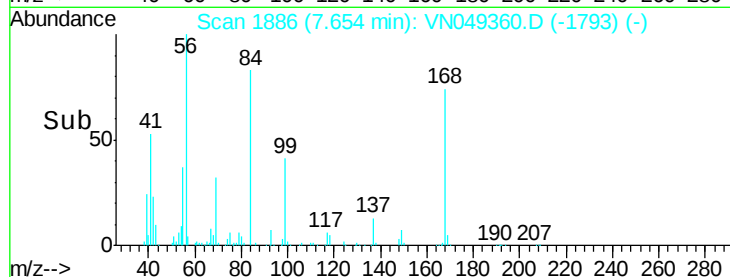
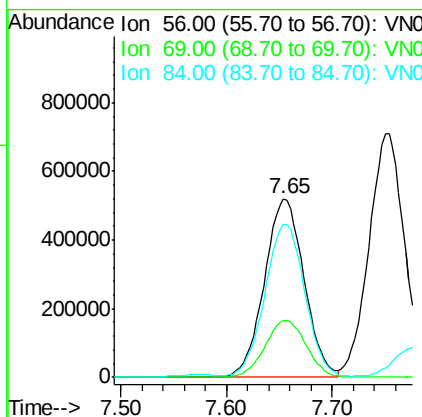
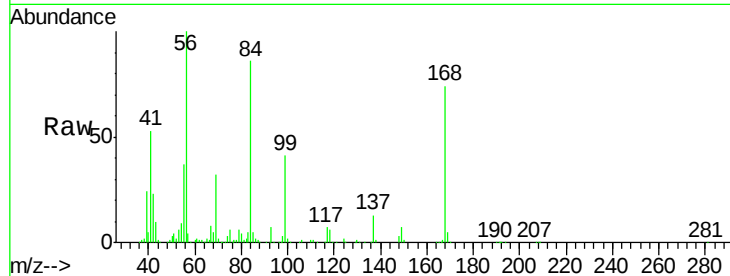
#31
Cyclohexane
Concen: 49.242 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.0	37.4
84	84.4	64.6	96.8

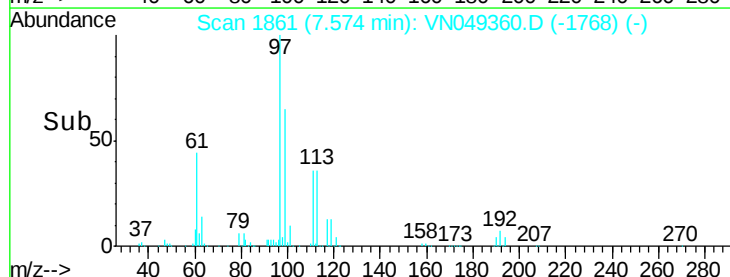
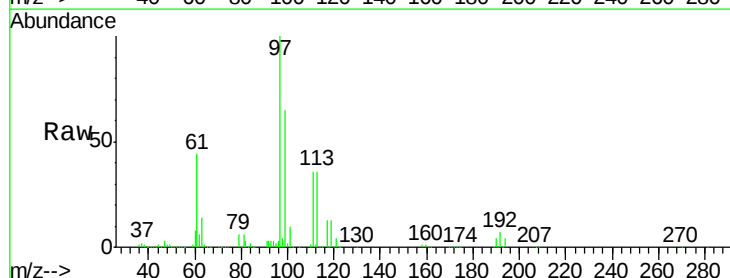
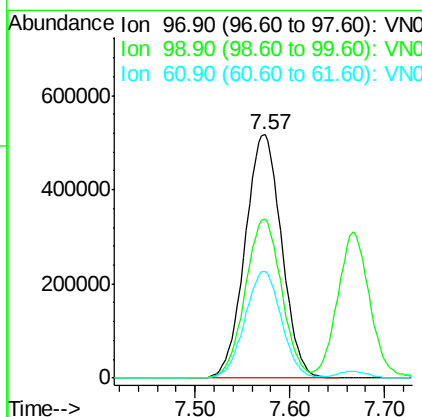
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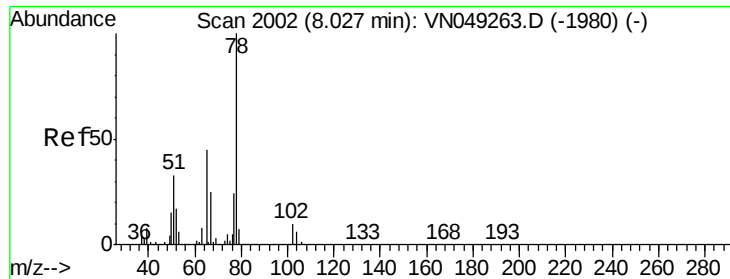
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#32
1,1,1-Trichloroethane
Concen: 50.087 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.5	75.7
61	43.7	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 51.787 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 967126

Ion Ratio Lower Upper

65 100

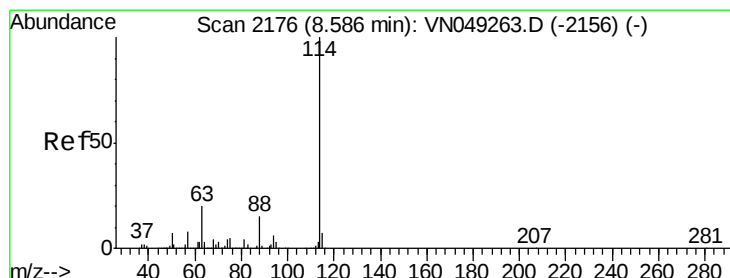
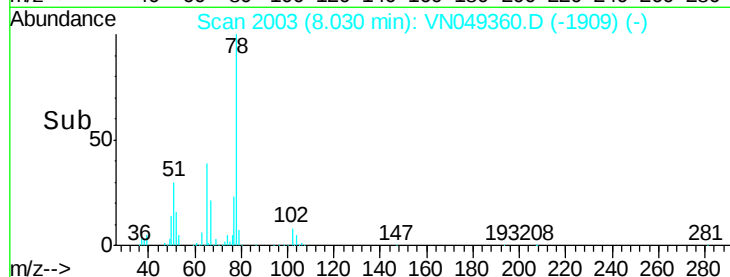
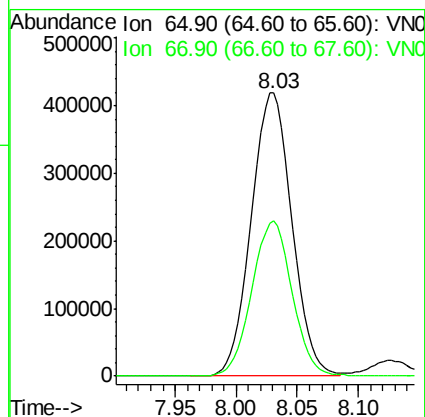
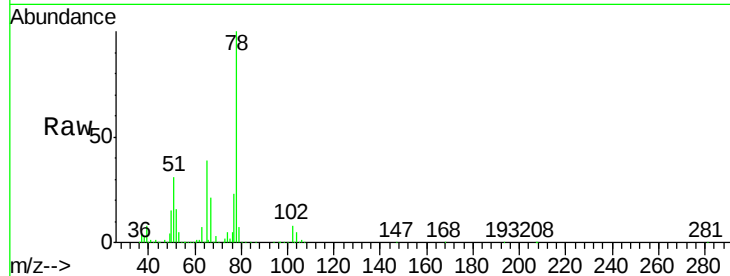
67 54.4 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

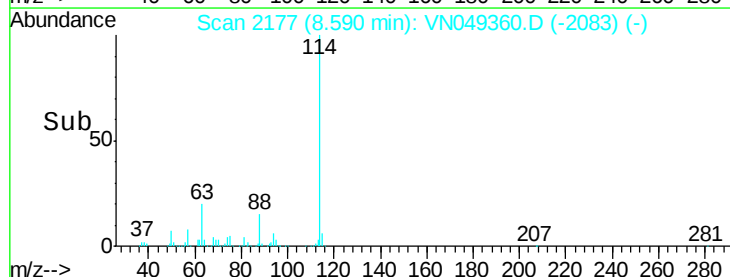
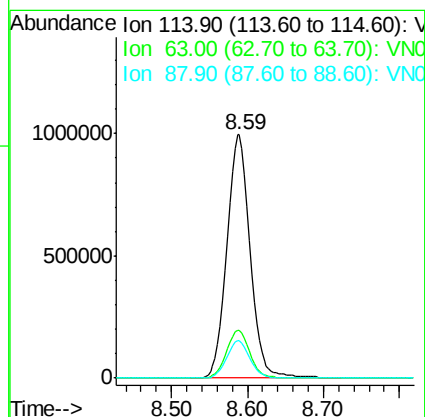
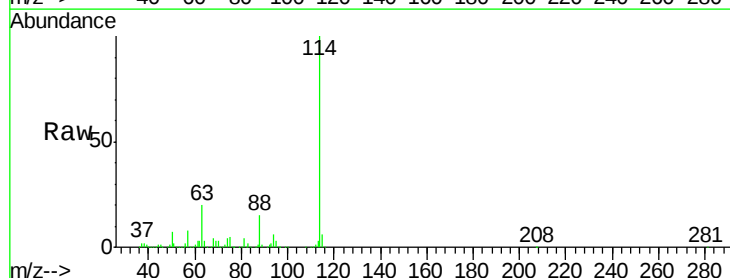
Tgt Ion: 114 Resp: 2129229

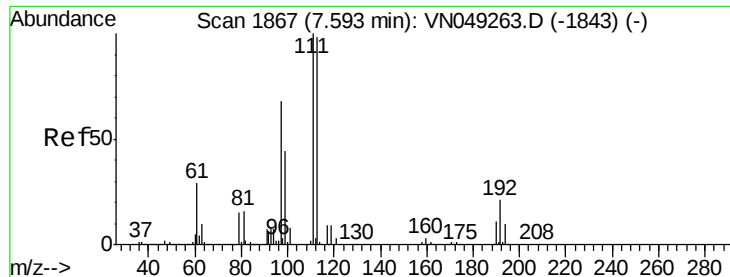
Ion Ratio Lower Upper

114 100

63 19.9 0.0 44.4

88 15.5 0.0 31.4





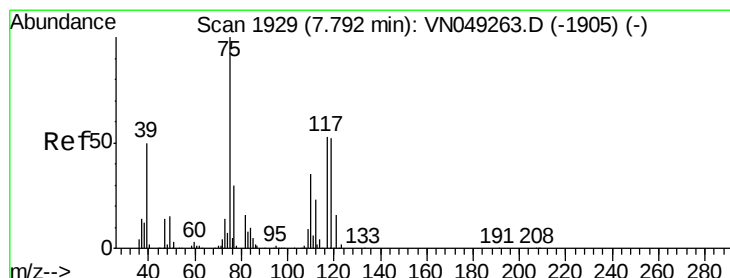
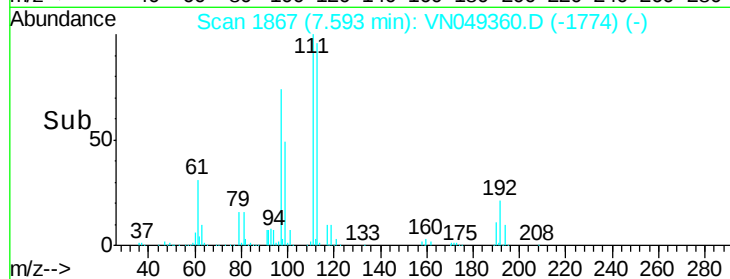
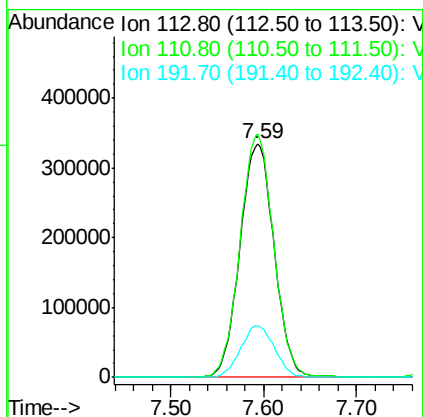
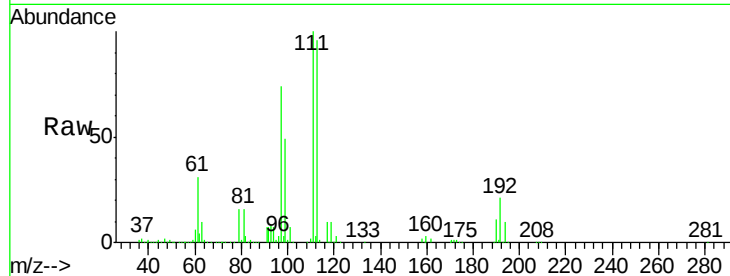
#35
Dibromofluoromethane
Concen: 49.769 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	857344		
111	102.0		82.4	123.6
192	21.9		15.0	22.6

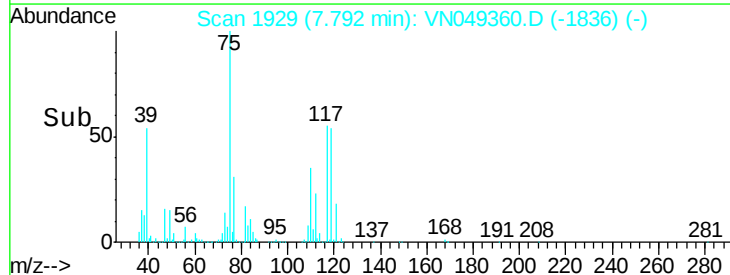
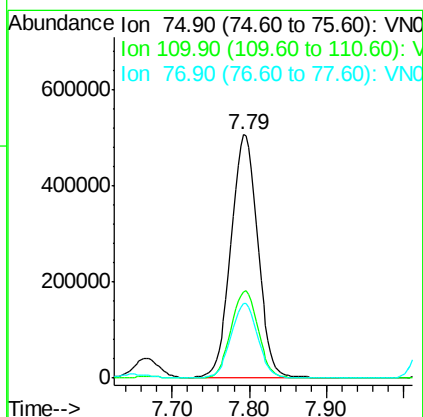
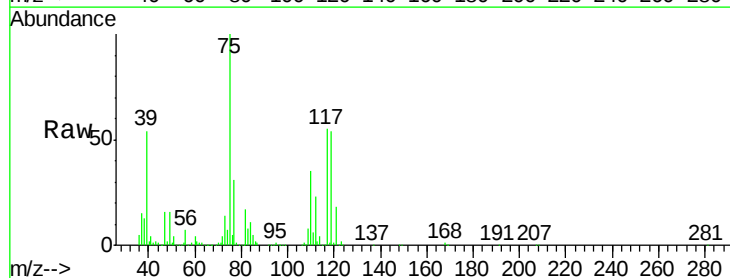
Manual Integrations
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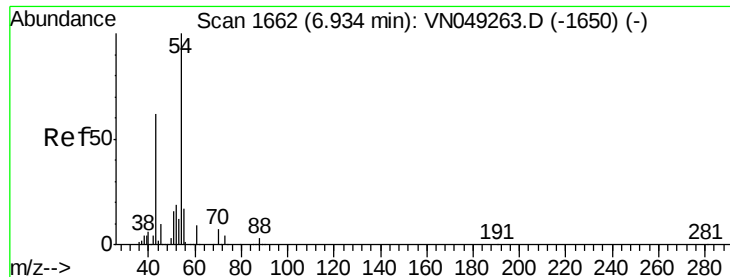
MMDadoda
6/19/2018 1:55:44 PM



#36
1,1-Dichloropropene
Concen: 49.629 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1211122		
110	36.2		17.0	50.9
77	30.6		24.4	36.6





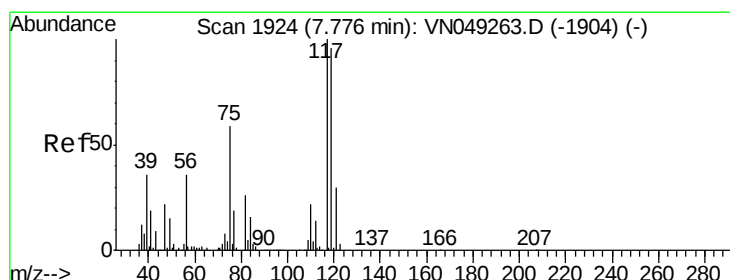
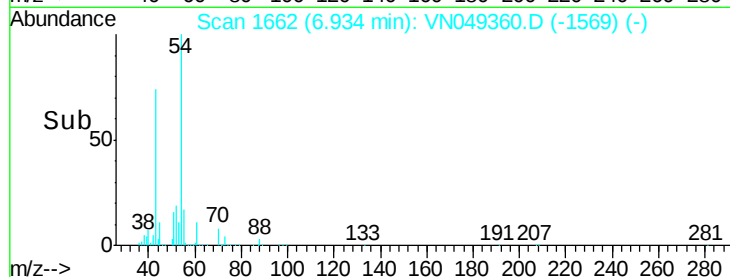
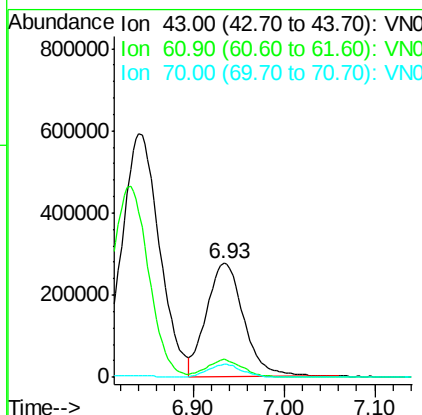
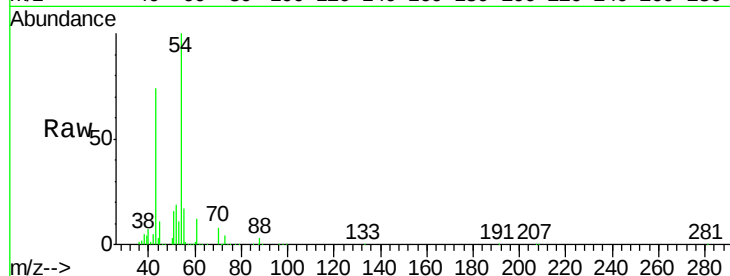
#37
Ethyl Acetate
Concen: 59.362 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.4
70	10.5	7.2	10.8

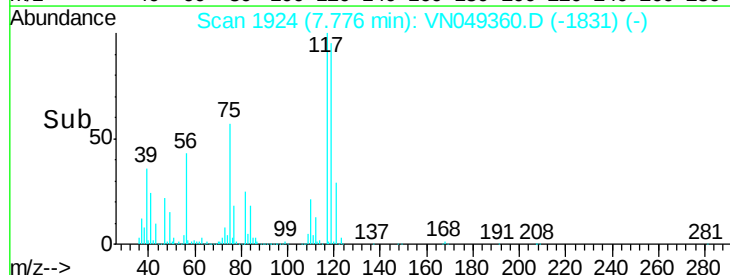
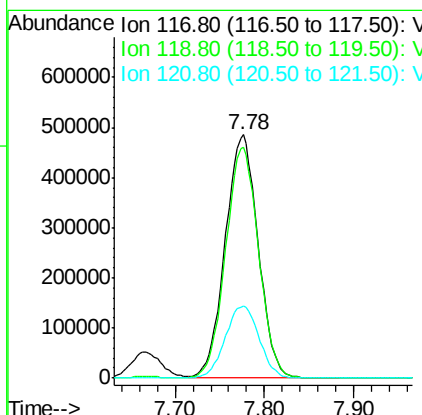
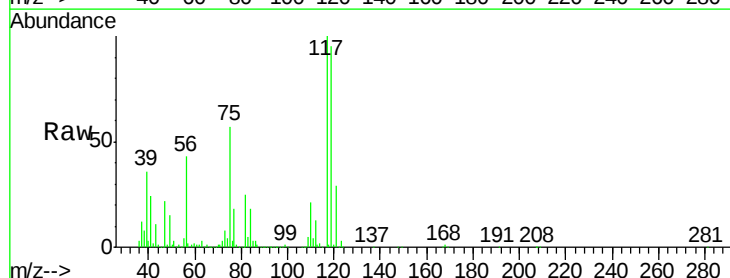
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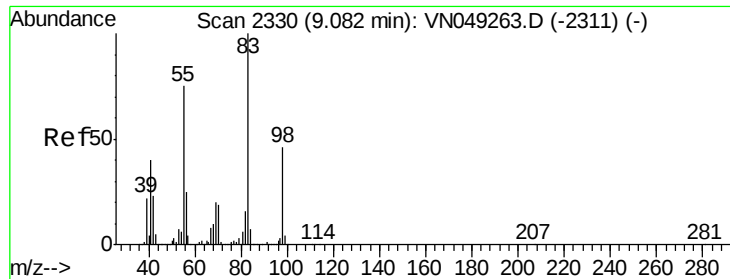
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.936 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.6	113.4
121	29.5	24.7	37.1





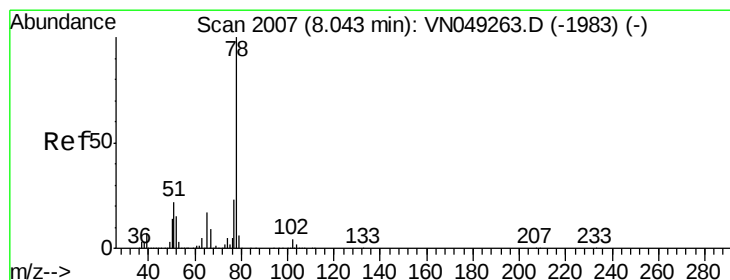
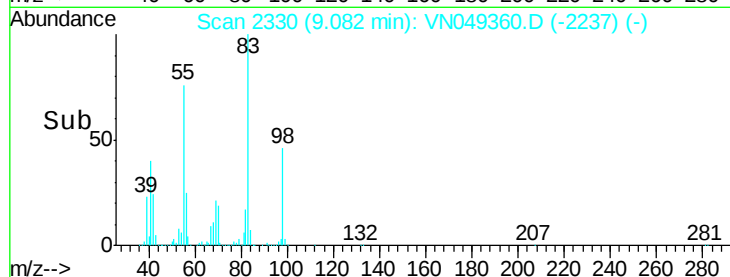
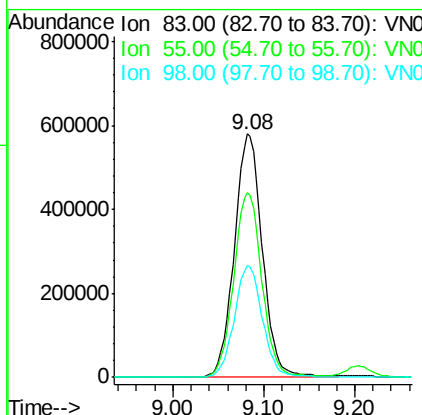
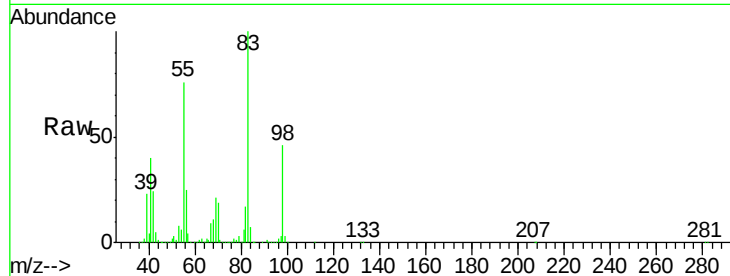
#39
Methvlcvclohexane
Concen: 47.458 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	65.1	97.7
98	45.9	36.5	54.7

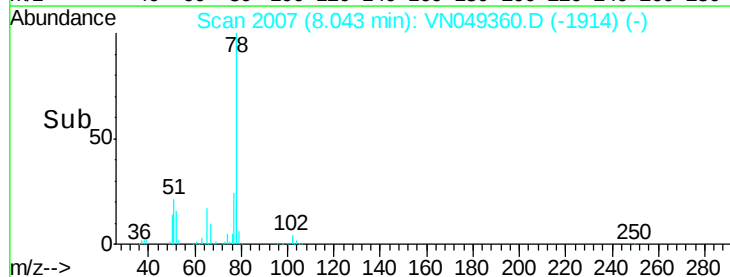
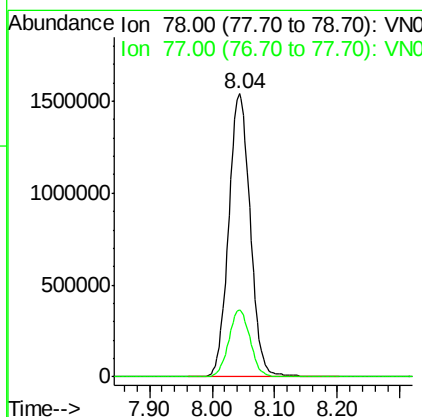
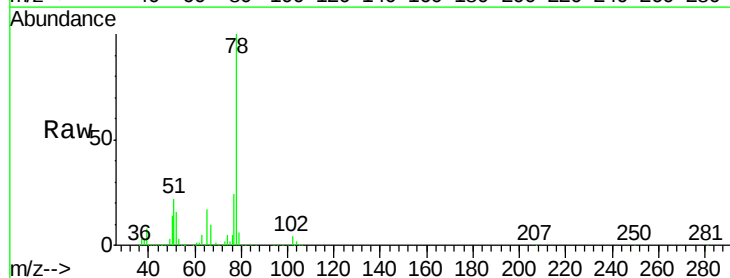
Manual Integrations
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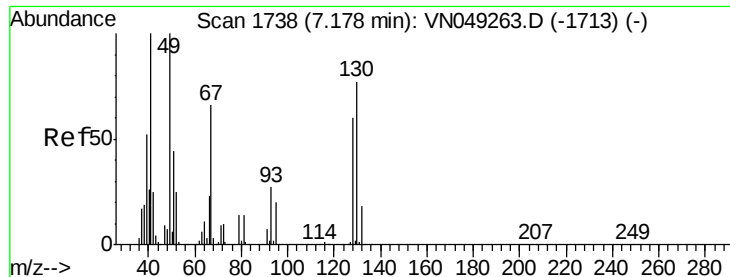
MMDadoda
6/19/2018 1:55:44 PM



#40
Benzene
Concen: 49.024 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





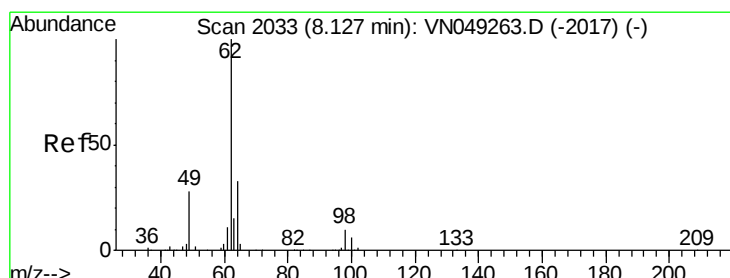
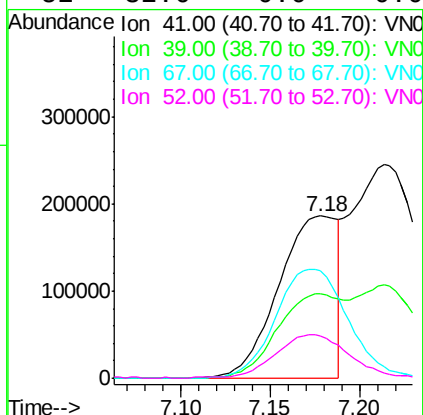
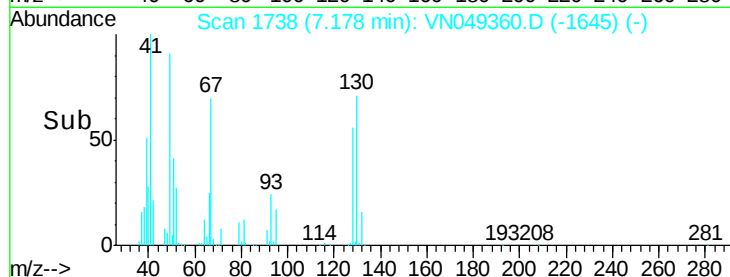
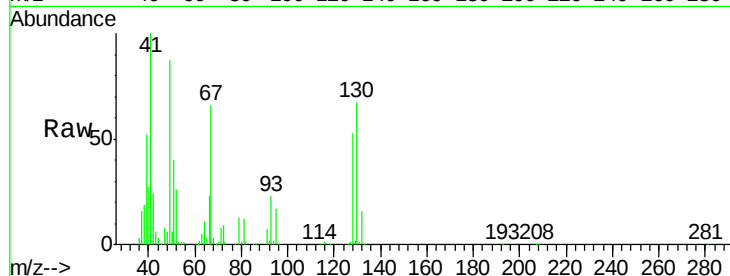
#41
Methacrylonitrile
Concen: 59.017 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.2	0.0	0.0#
67	83.9	0.0	0.0#
52	32.6	0.0	0.0#

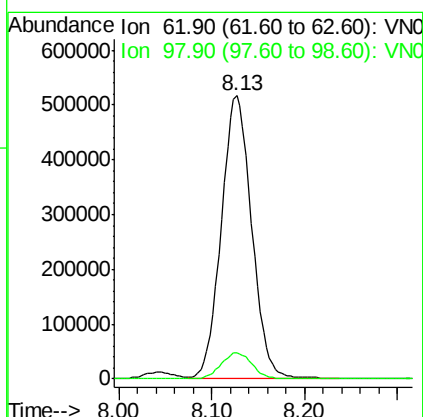
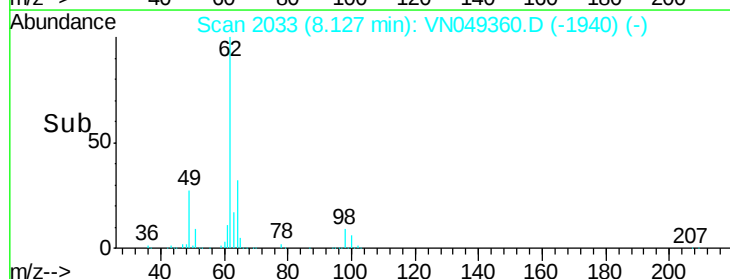
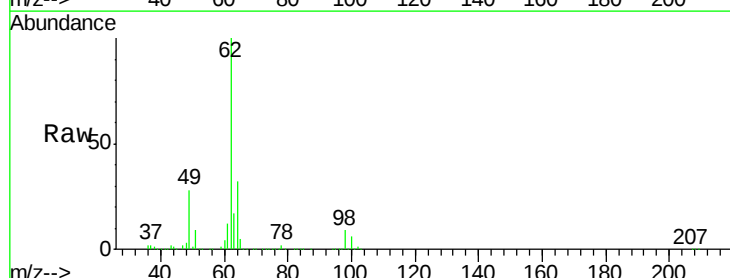
Manual Integrations
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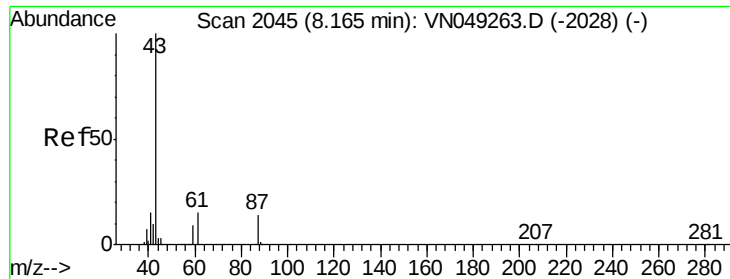
MMDadoda
6/19/2018 1:55:44 PM



#42
1,2-Dichloroethane
Concen: 50.602 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.2





#43

Isopropyl Acetate

Concen: 59.384 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1505238

Ion Ratio Lower Upper

43 100

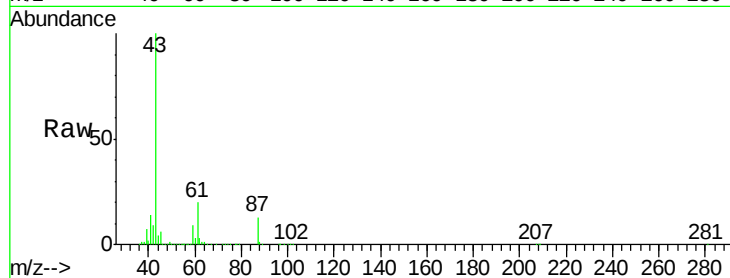
61 19.0 14.2 21.4

87 12.5 9.4 14.0

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Abundance Ion 43.00 (42.70 to 43.70): VN049360.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049360.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049360.D (-1952) (-)

8.17

600000

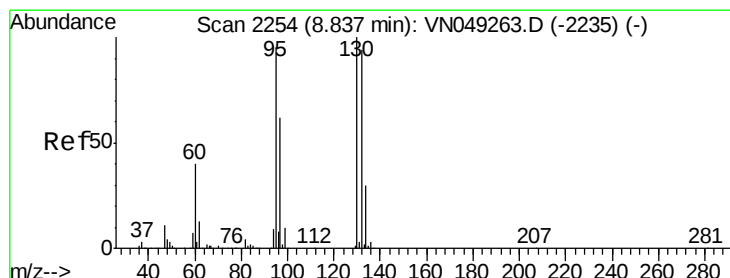
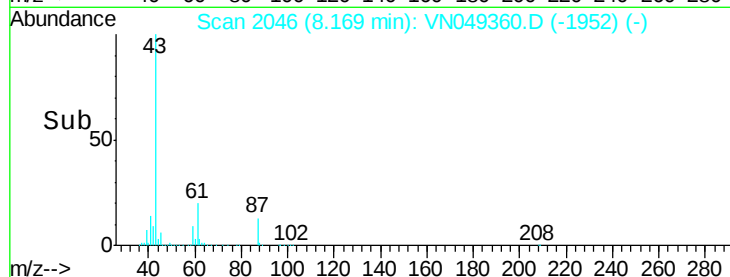
400000

200000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 49.406 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049360.D

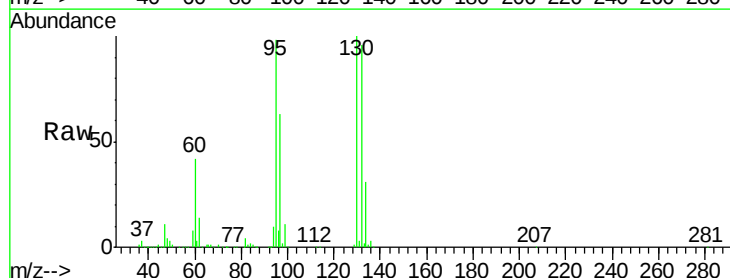
Acq: 18 Jun 2018 22:57

Tgt Ion: 130 Resp: 976089

Ion Ratio Lower Upper

130 100

95 98.1 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049360.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049360.D (-2161) (-)

8.84

500000

400000

300000

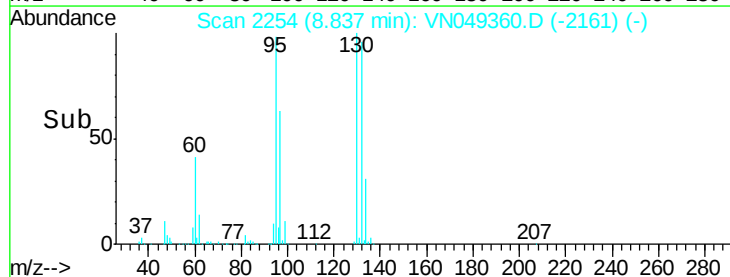
200000

100000

0

8.70 8.80 8.90 9.00

Time-->





#45

1,2-Dichloropropane

Concen: 50.273 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 984799

Ion Ratio Lower Upper

63 100

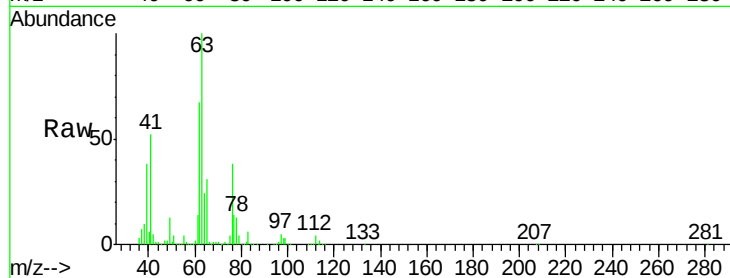
65 31.3 24.8 37.2

Manual Integrations

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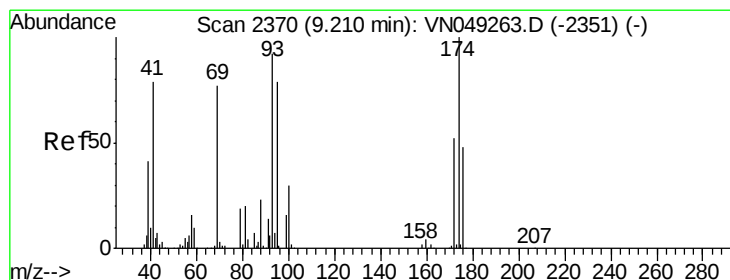
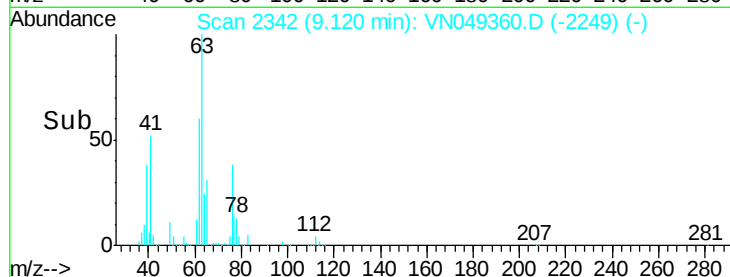
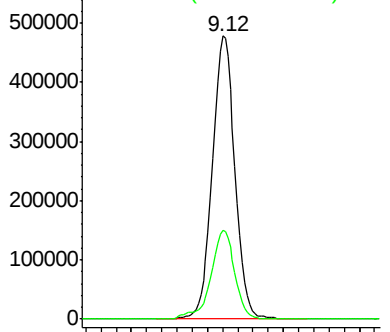
MMDadoda

6/19/2018 1:55:44 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.838 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

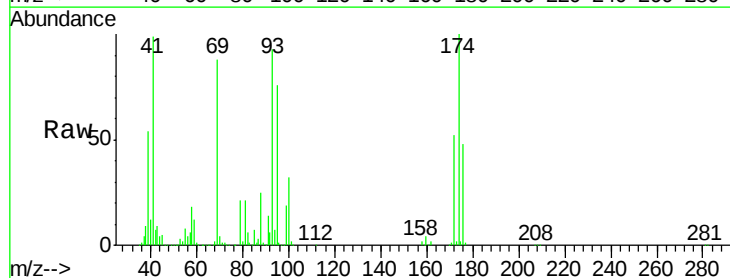
Tgt Ion: 93 Resp: 588807

Ion Ratio Lower Upper

93 100

95 82.1 67.2 100.8

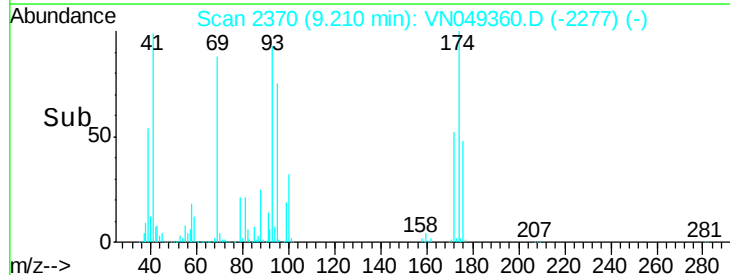
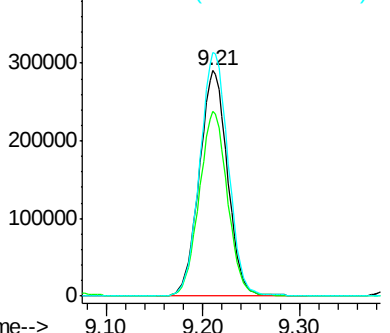
174 108.7 75.6 113.4

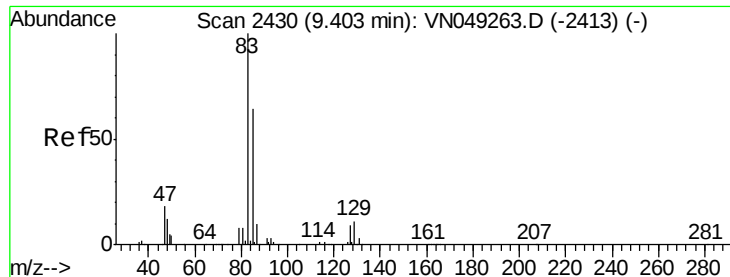


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.715 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1265882

Ion Ratio Lower Upper

83 100

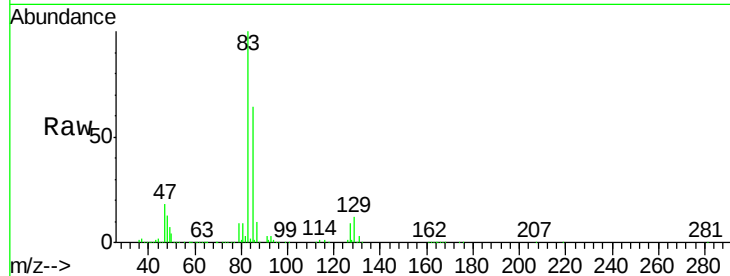
85 63.9 49.4 74.0

127 8.9 6.3 9.5

Manual Integrations
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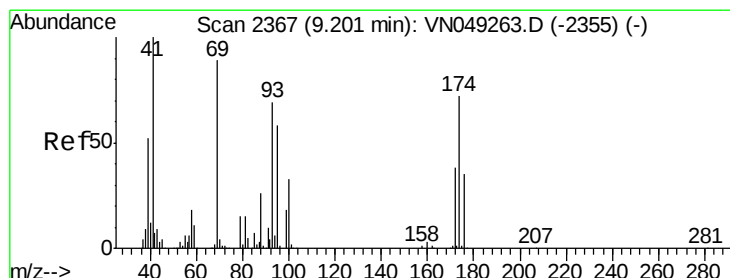
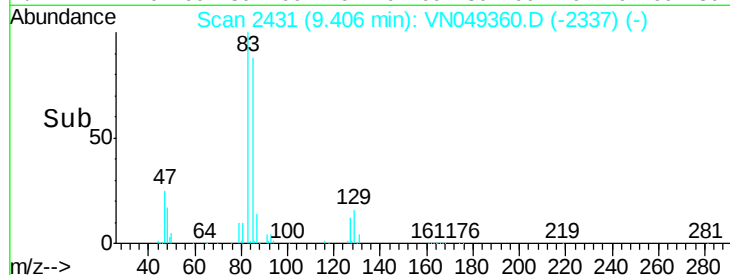
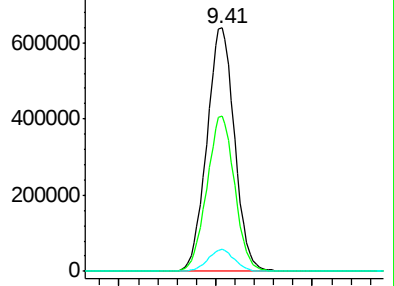
6/19/2018 1:55:44 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049360.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049360.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049360.D (-2337) (-)



#48

Methyl methacrylate

Concen: 59.403 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

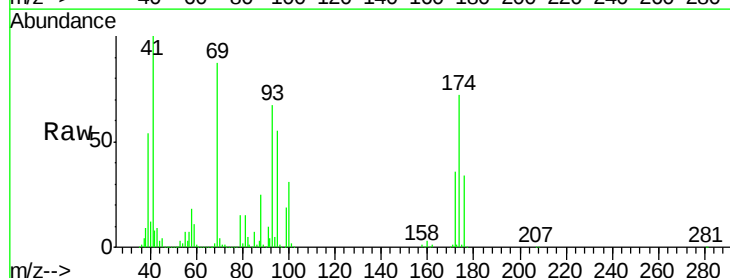
Tgt Ion: 41 Resp: 709070

Ion Ratio Lower Upper

41 100

69 87.5 62.0 93.0

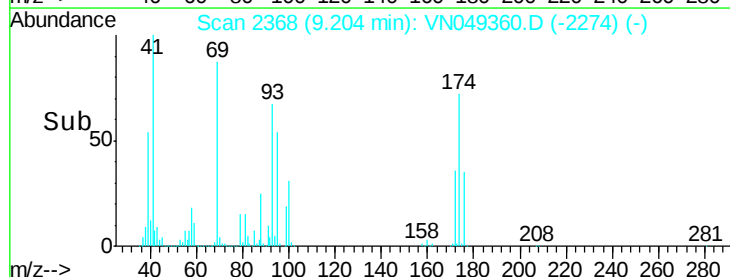
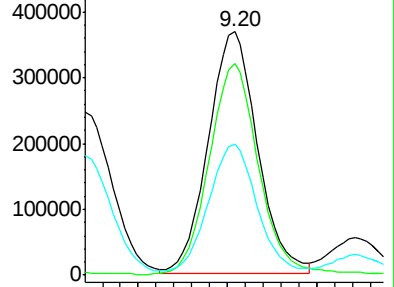
39 53.8 50.6 75.8

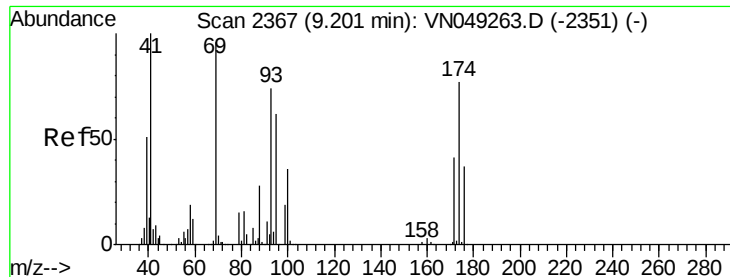


Abundance Ion 41.00 (40.70 to 41.70): VN049360.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049360.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049360.D (-2274) (-)





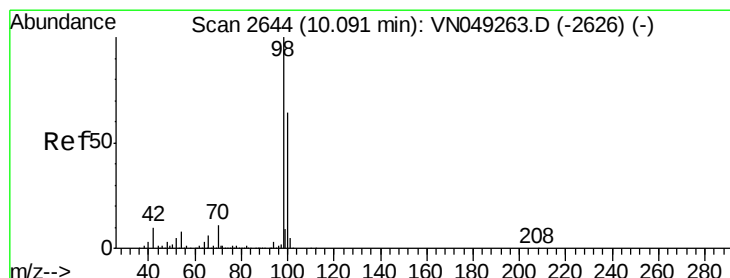
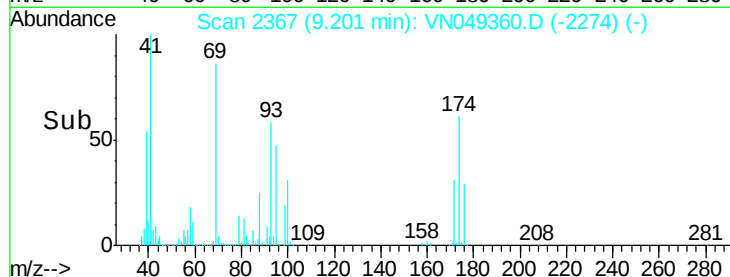
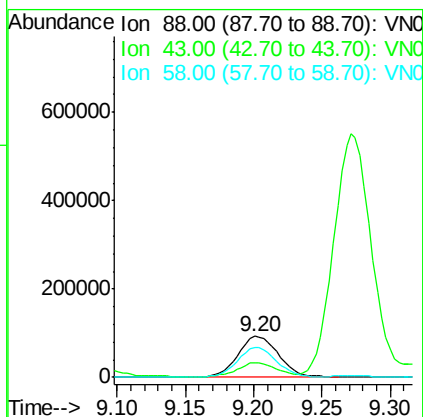
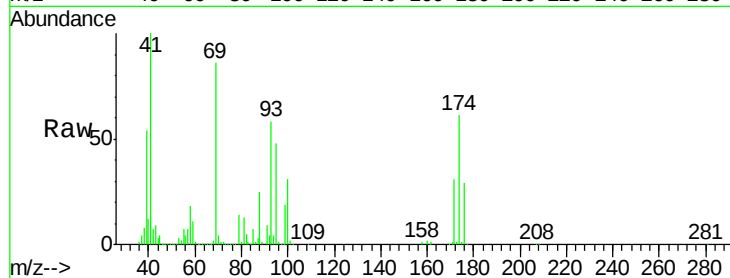
#49
1,4-Dioxane
Concen: 1169.915 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	30.9	46.3
58	71.2	58.9	88.3

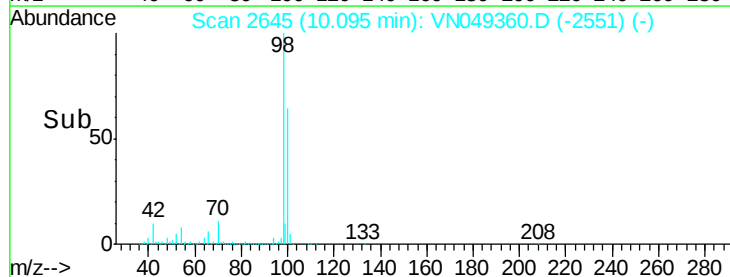
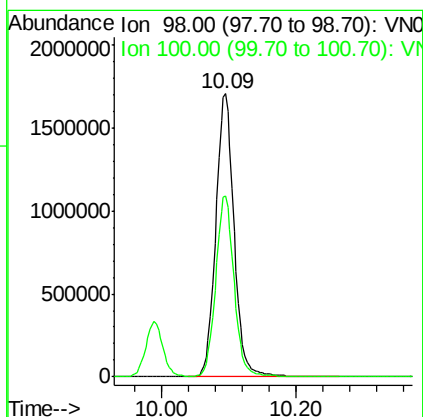
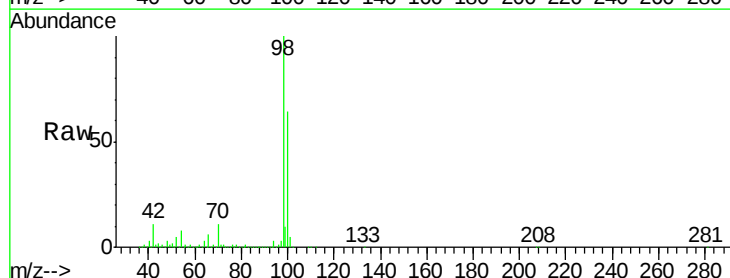
Manual Integrations
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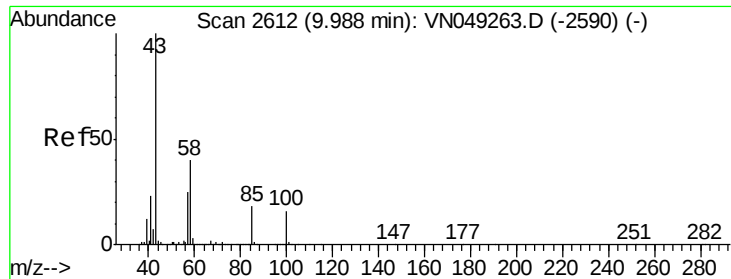
MMDadoda
6/19/2018 1:55:44 PM



#50
Toluene-d8
Concen: 49.269 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 298.637 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3967349

Ion Ratio Lower Upper

43 100

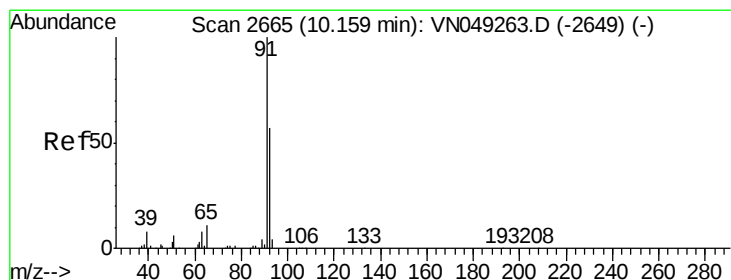
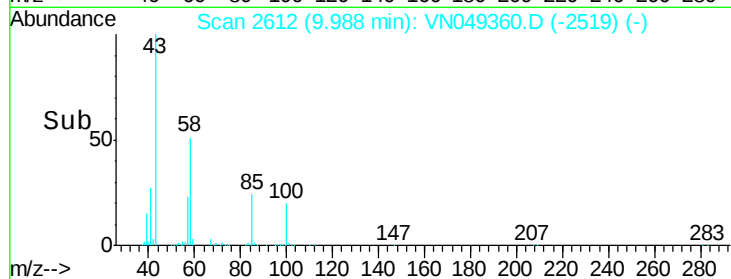
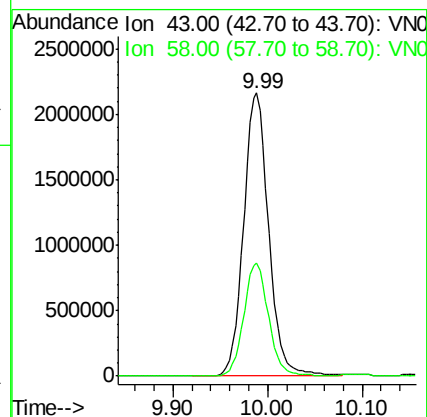
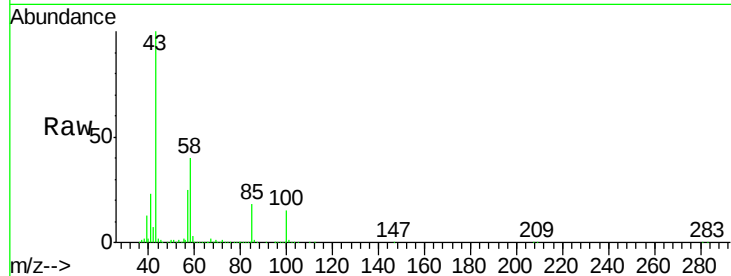
58 39.7 29.0 43.6

Manual Integrations

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#52

Toluene

Concen: 51.797 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049360.D

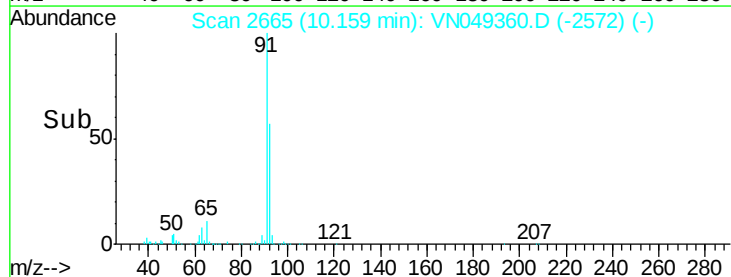
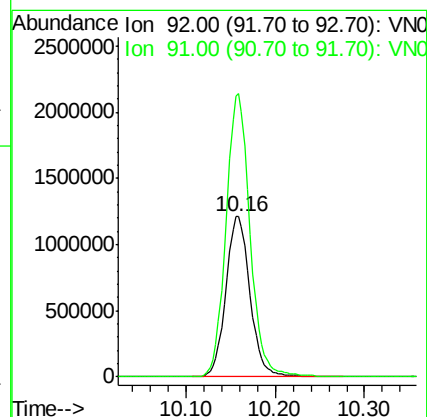
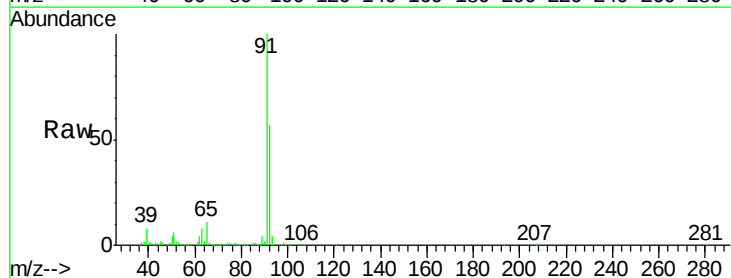
Acq: 18 Jun 2018 22:57

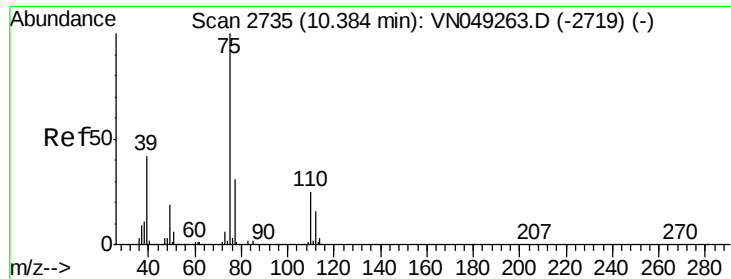
Tgt Ion: 92 Resp: 2274404

Ion Ratio Lower Upper

92 100

91 175.5 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 51.848 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 1238050

Ion Ratio Lower Upper

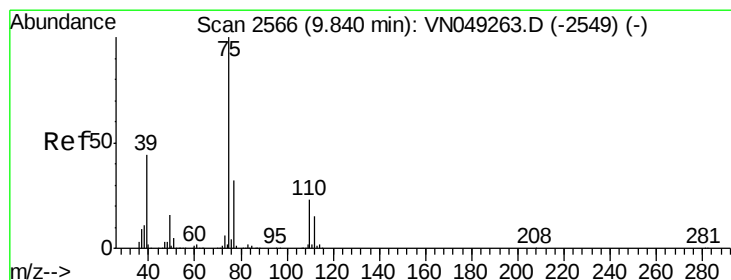
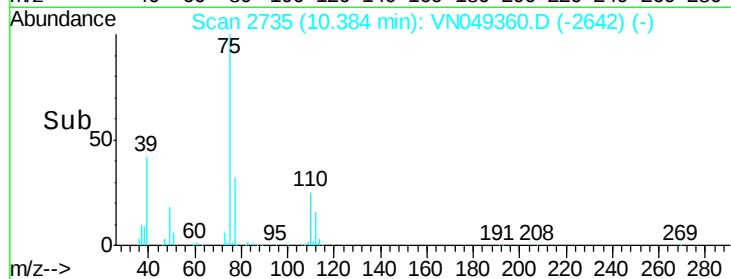
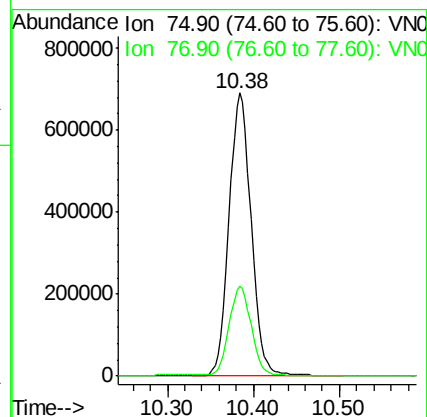
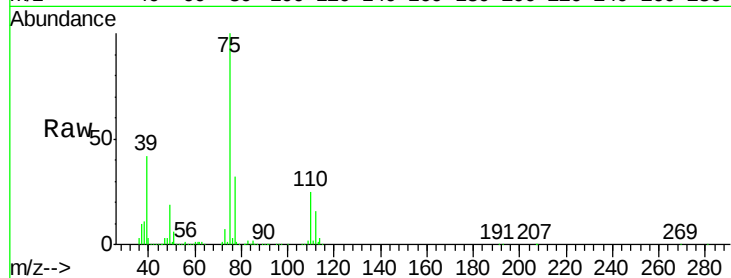
75 100

77 31.8 25.2 37.8

Manual Integrations
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6/19/2018 1:55:44 PM



#54

cis-1,3-Dichloropropene

Concen: 49.855 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

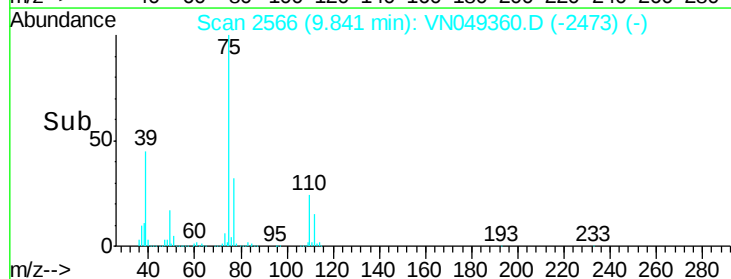
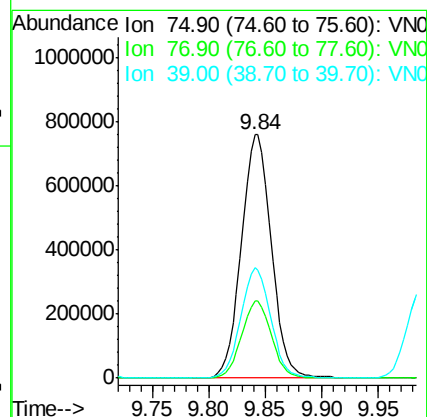
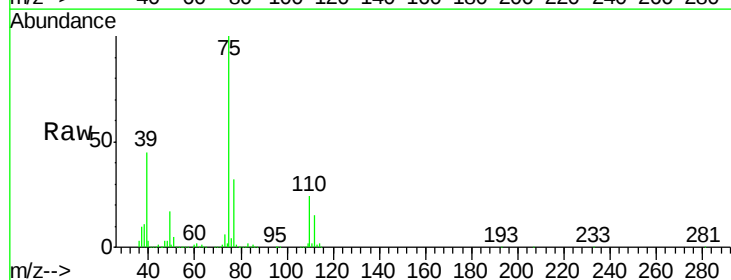
Tgt Ion: 75 Resp: 1405636

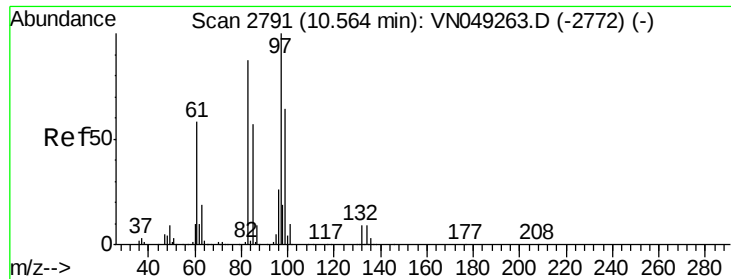
Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 45.3 45.1 67.7





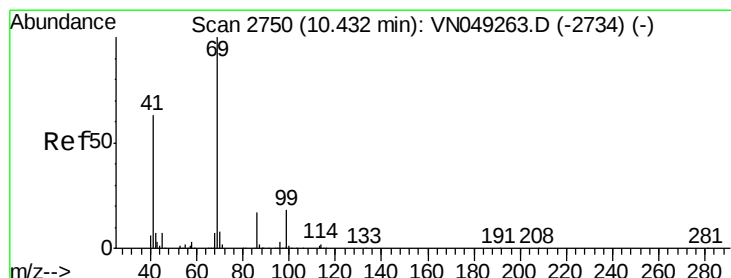
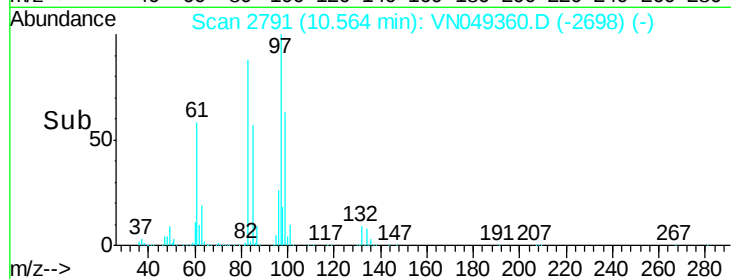
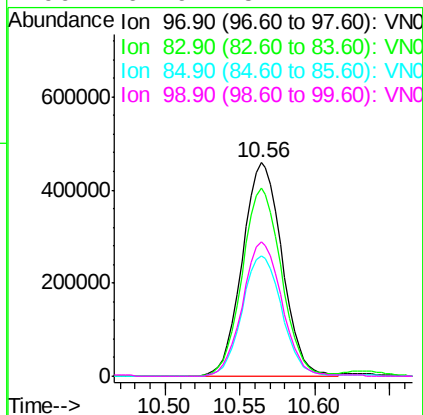
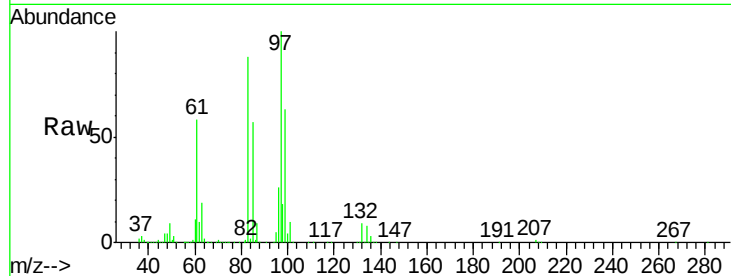
#55
 1,1,2-Trichloroethane
 Concen: 51.759 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	847265
Ion	Ratio	Lower	Upper
97	100		
83	87.9	71.5	107.3
85	56.6	47.0	70.4
99	62.9	51.4	77.2

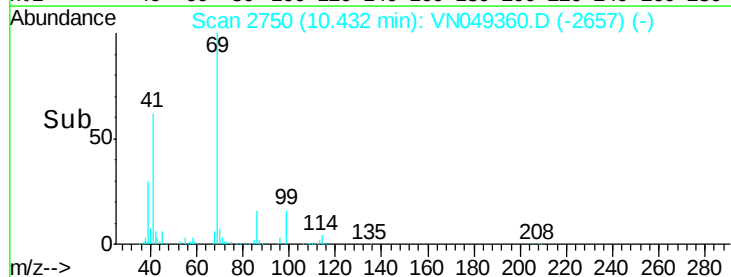
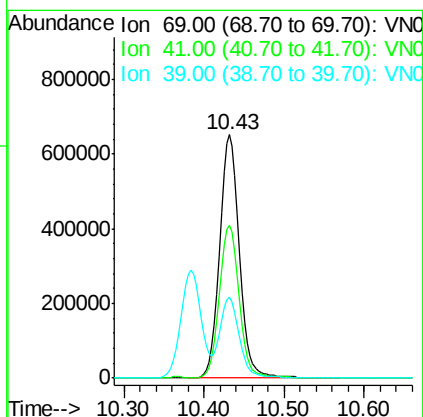
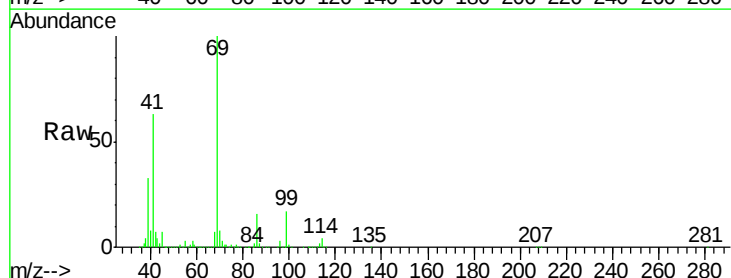
Manual Integrations
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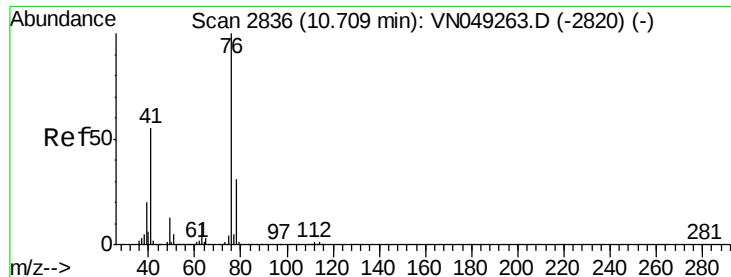
MMDadoda
 6/19/2018 1:55:44 PM



#56
 Ethyl methacrylate
 Concen: 59.164 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Tgt Ion:	69	Resp:	1117296
Ion	Ratio	Lower	Upper
69	100		
41	63.6	58.4	87.6
39	33.1	35.5	53.3#





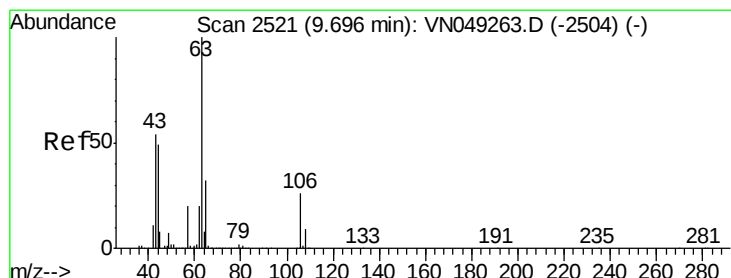
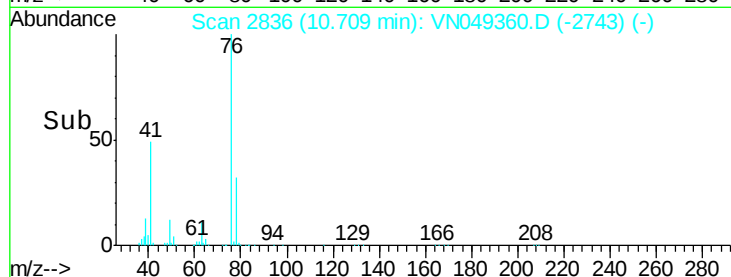
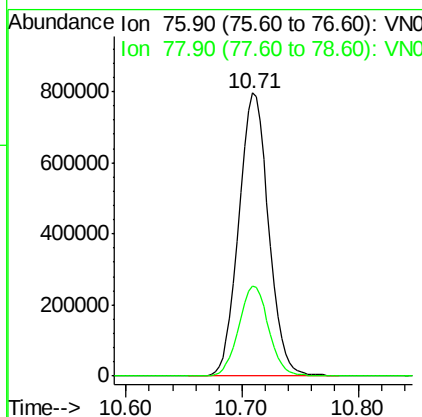
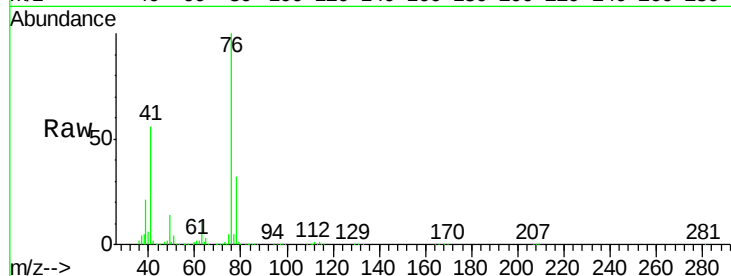
#57
 1,3-Dichloropropane
 Concen: 52.559 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1425287
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.3 39.5

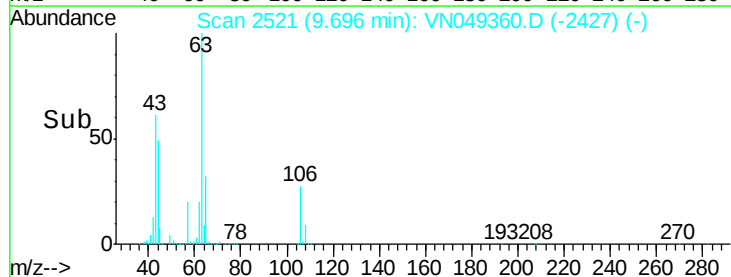
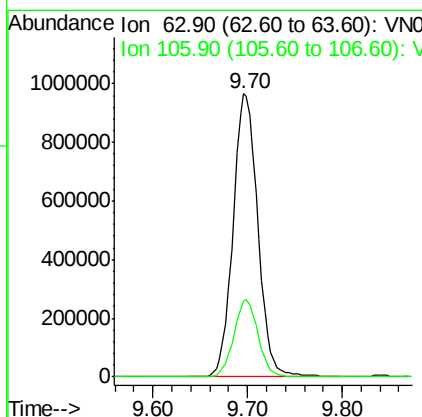
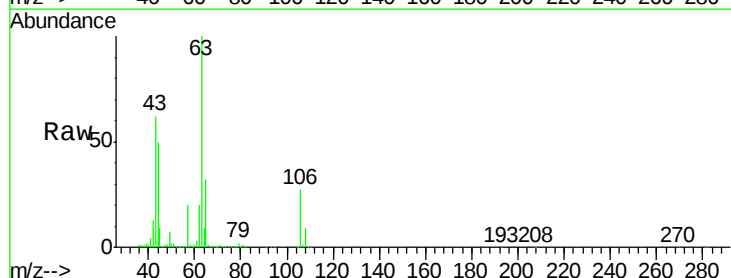
Manual Integrations
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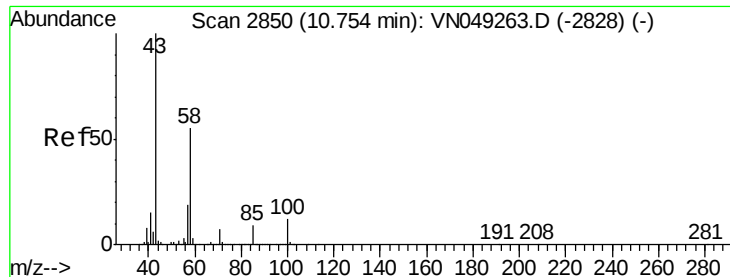
MMDadoda
 6/19/2018 1:55:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.392 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Tgt Ion: 63 Resp: 1755116
 Ion Ratio Lower Upper
 63 100
 106 26.7 19.4 29.2





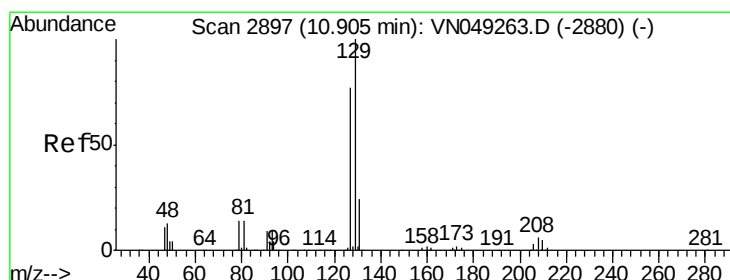
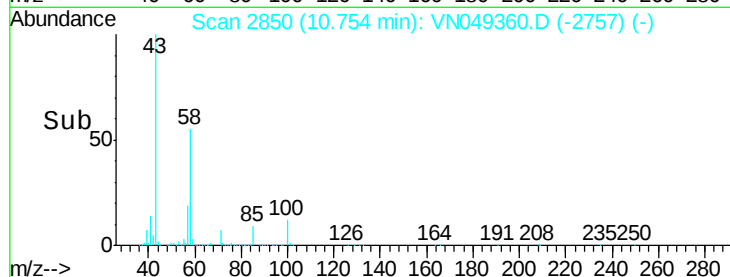
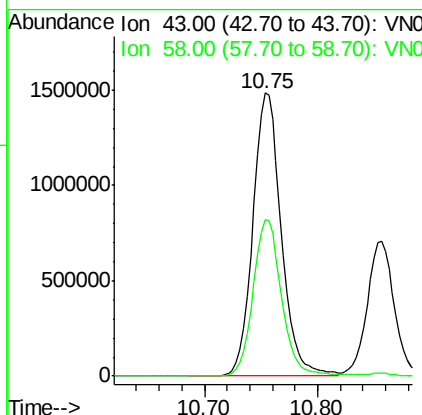
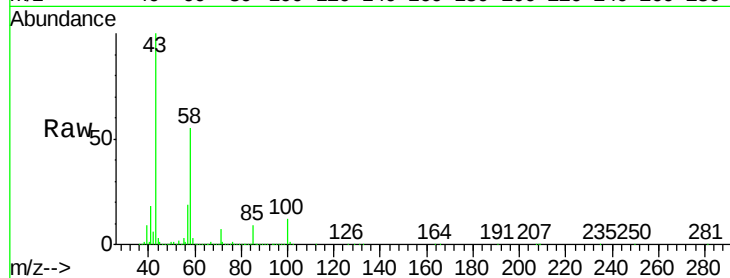
#59
2-Hexanone
Concen: 301.444 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2581799
Ion Ratio Lower Upper
43 100
58 55.7 25.2 75.6

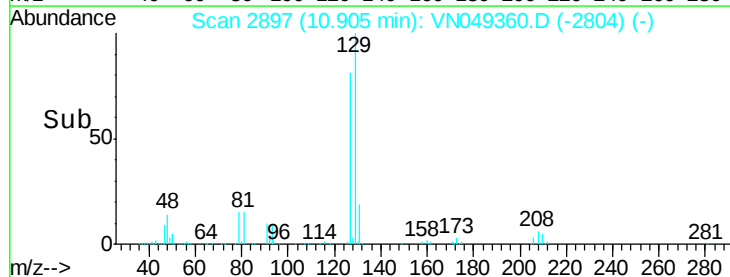
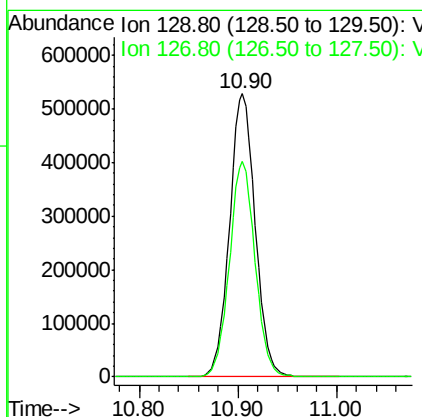
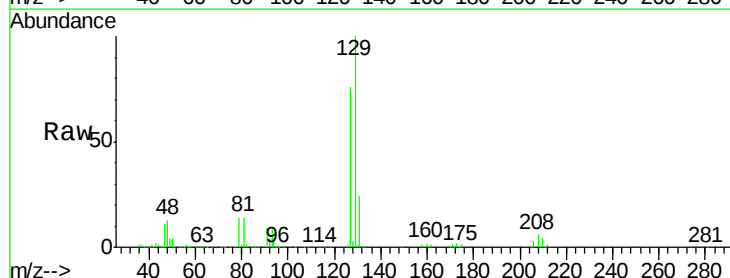
Manual Integrations
APPROVED

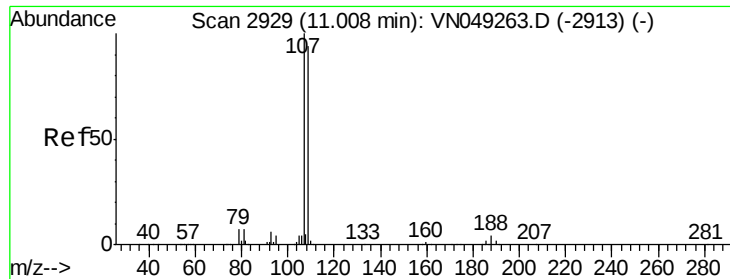
MMDadoda
6/19/2018 1:55:44 PM



#60
Dibromochloromethane
Concen: 52.557 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion: 129 Resp: 960223
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.2





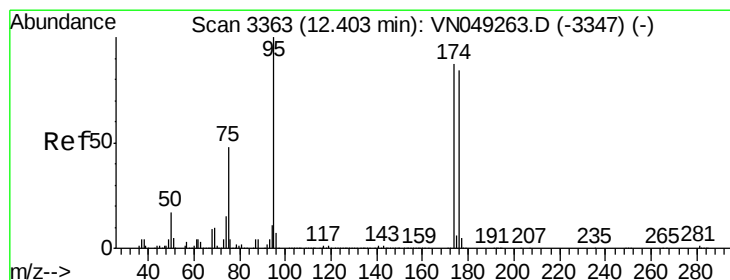
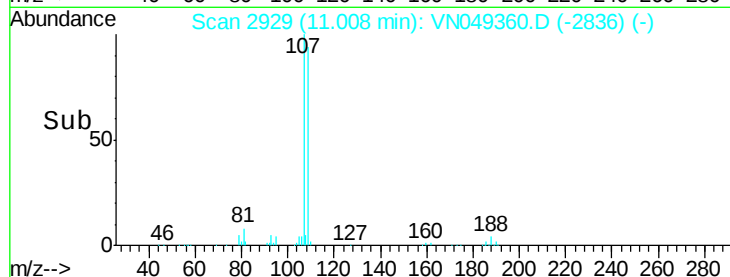
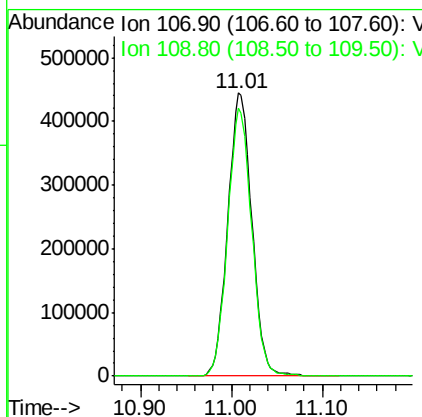
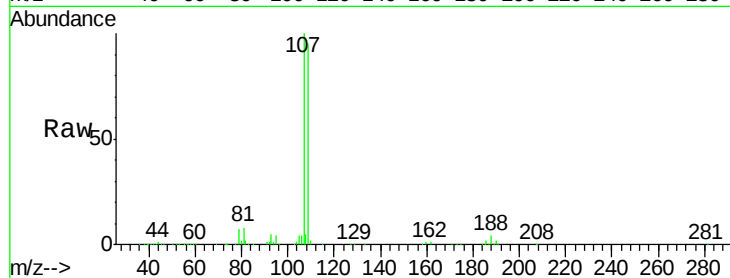
#61
 1,2-Dibromoethane
 Concen: 53.668 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 816599
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.2

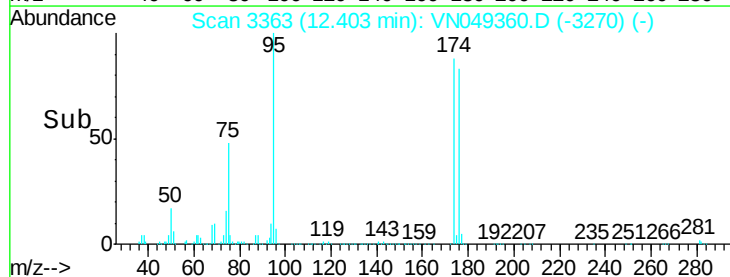
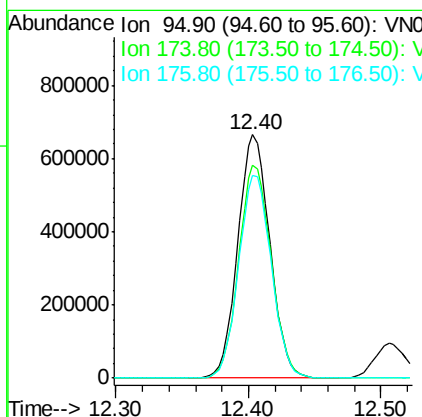
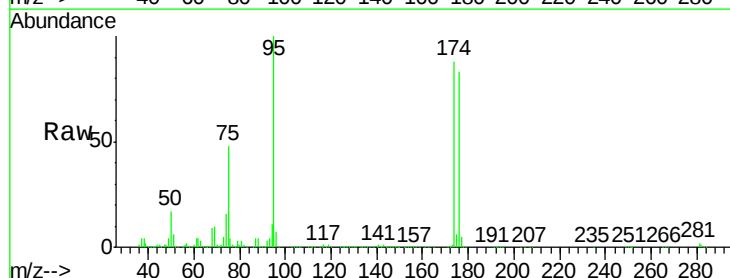
Manual Integrations
 APPROVED

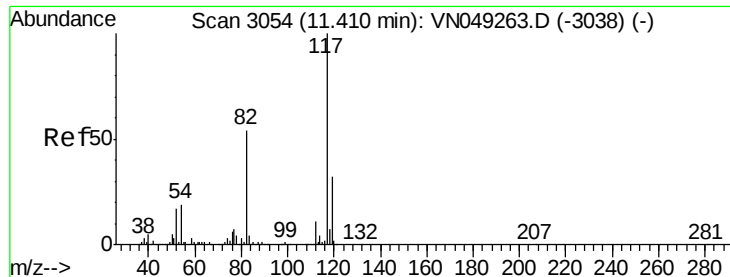
MMDadoda
 6/19/2018 1:55:44 PM



#62
 4-Bromofluorobenzene
 Concen: 51.610 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Tgt Ion: 95 Resp: 1119323
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 165.6
 176 84.8 0.0 157.4





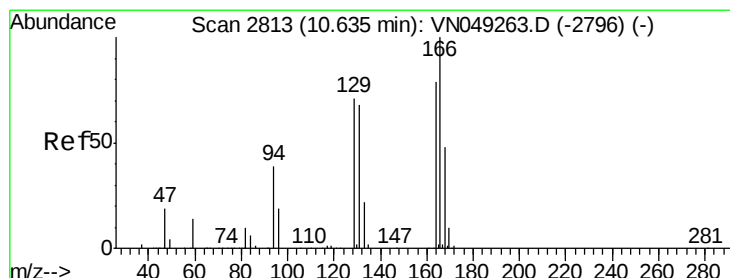
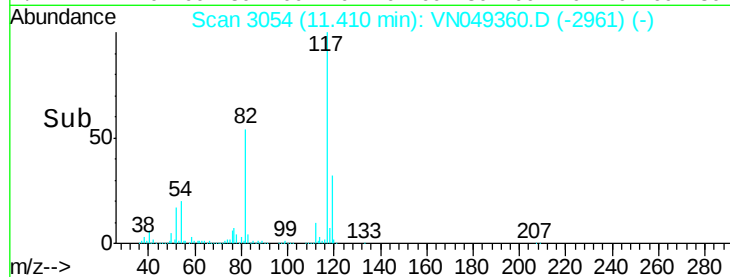
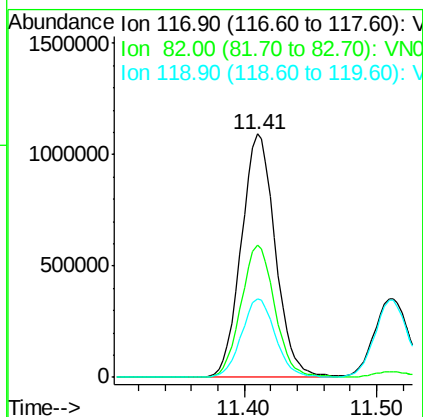
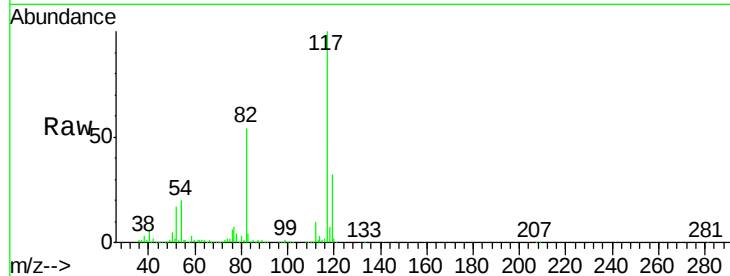
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.9	68.9
119	32.5	25.5	38.3

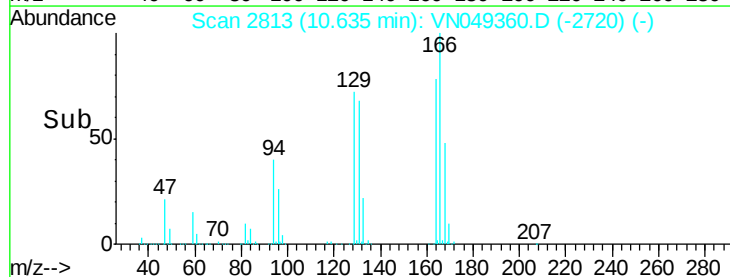
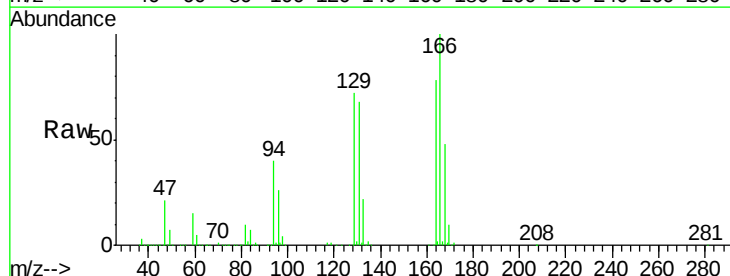
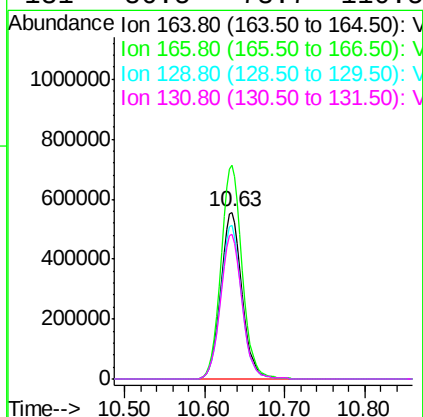
Manual Integrations
APPROVED

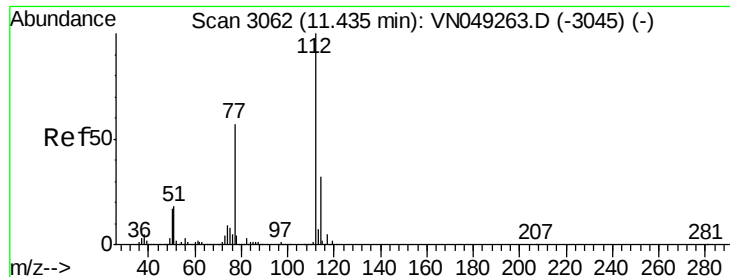
MMDadoda
6/19/2018 1:55:44 PM



#64
Tetrachloroethene
Concen: 51.050 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.4	152.2
129	91.8	74.1	111.1
131	86.5	73.7	110.5





#65

Chlorobenzene

Concen: 49.111 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2469405

Ion Ratio Lower Upper

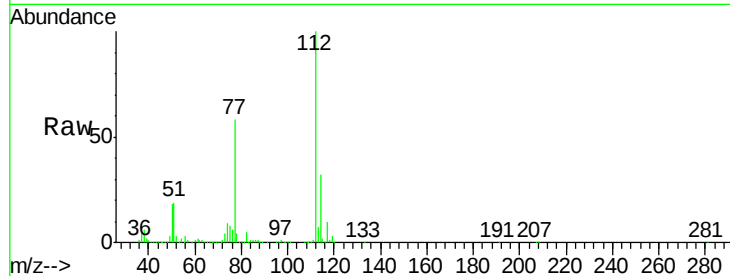
112 100

114 31.7 26.2 39.4

Manual Integrations
APPROVED

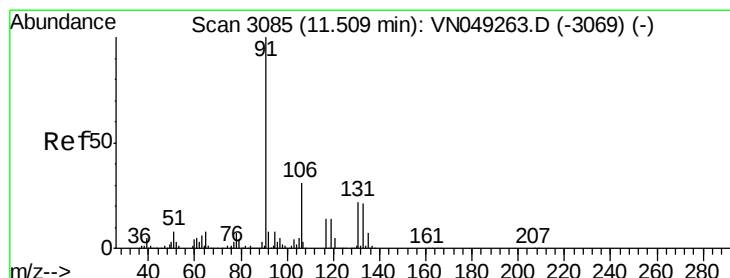
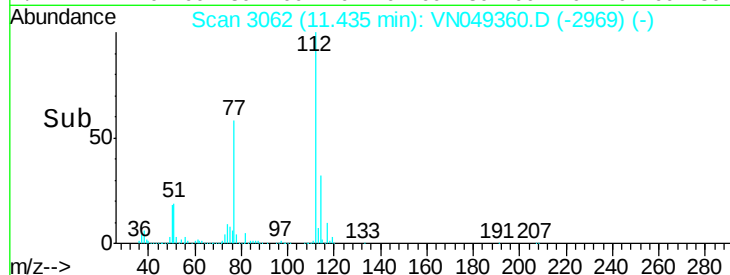
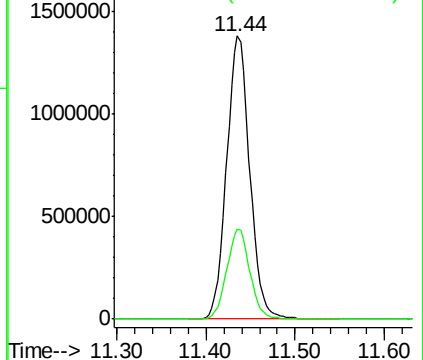
MMDadoda

6/19/2018 1:55:44 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.679 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

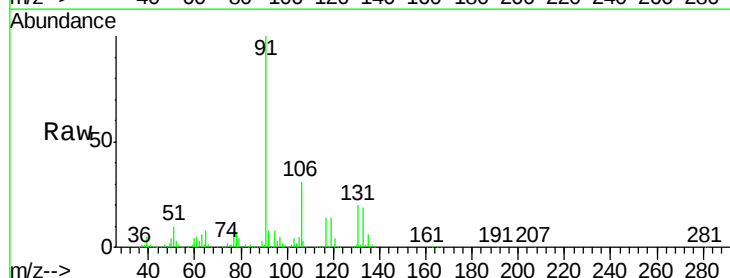
Tgt Ion:131 Resp: 921116

Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.2

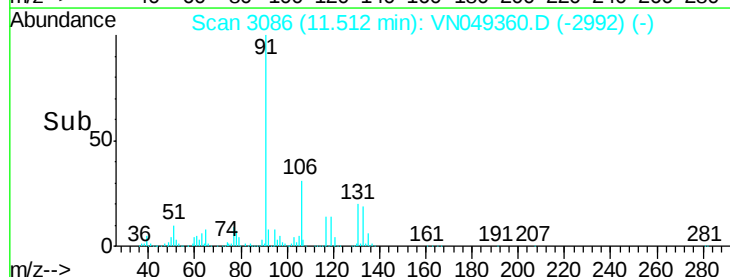
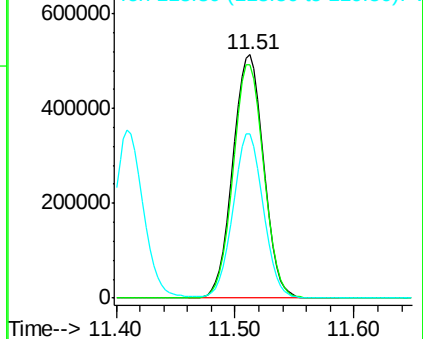
119 66.1 33.6 100.8

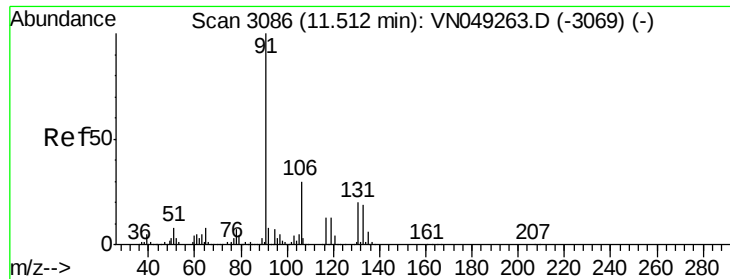


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





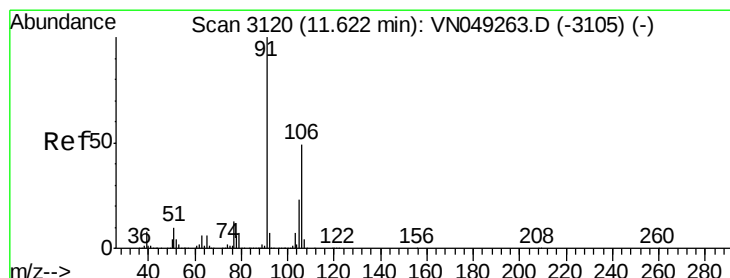
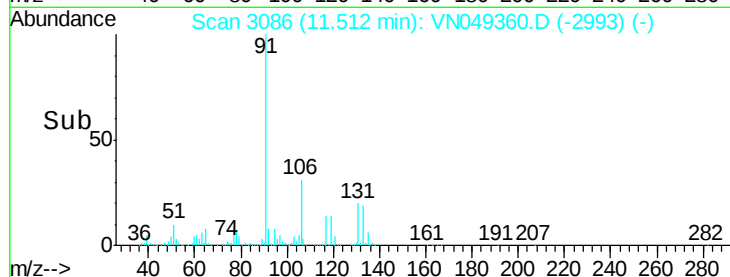
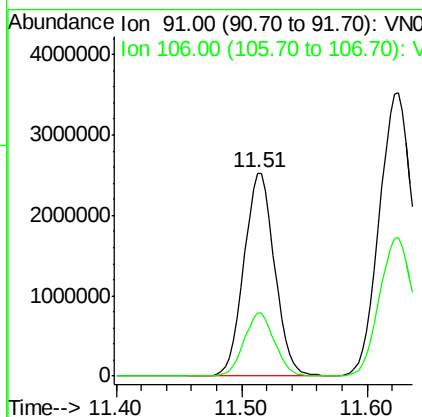
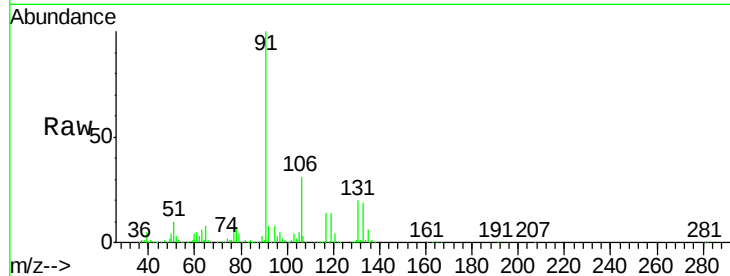
#67
Ethyl Benzene
Concen: 51.793 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 4319683
Ion Ratio Lower Upper
91 100
106 31.0 23.9 35.9

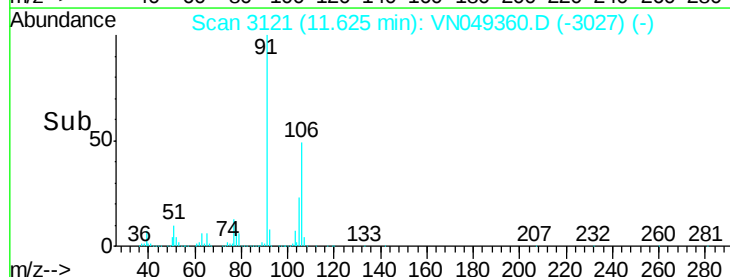
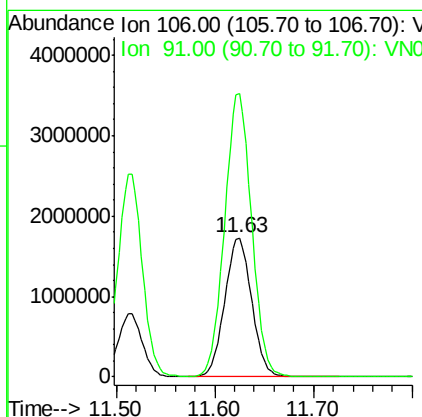
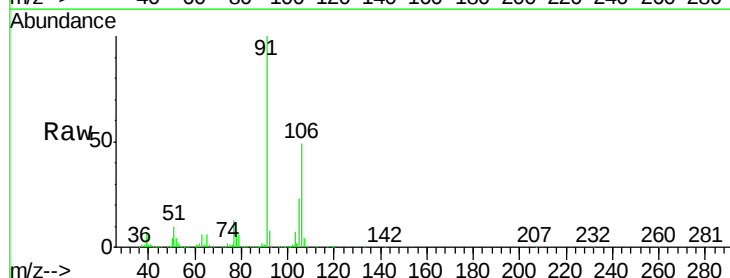
Manual Integrations
APPROVED

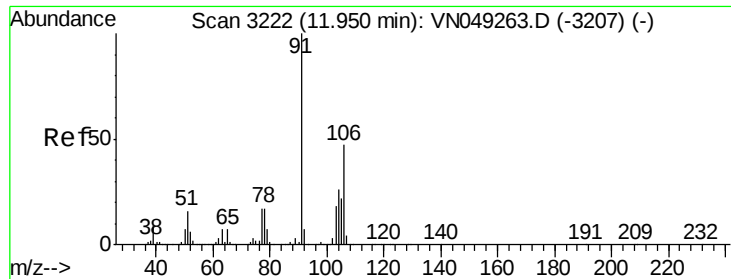
MMDadoda
6/19/2018 1:55:44 PM



#68
m/p-Xylenes
Concen: 105.681 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion: 106 Resp: 3307832
Ion Ratio Lower Upper
106 100
91 203.7 167.3 250.9





#69

o-Xylene

Concen: 52.976 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 1597099

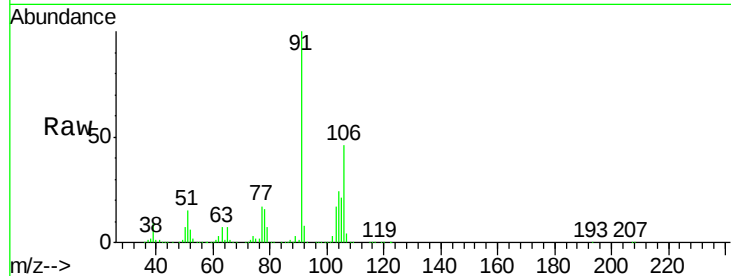
Ion Ratio Lower Upper

106 100

91 215.4 111.0 333.0

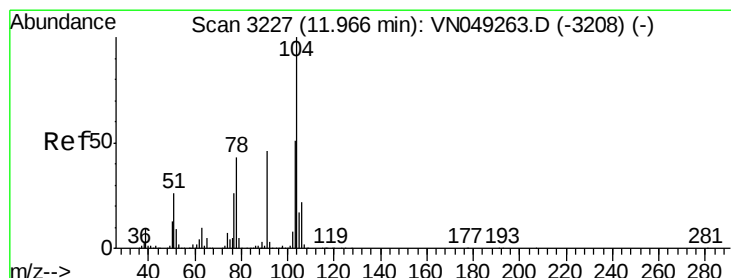
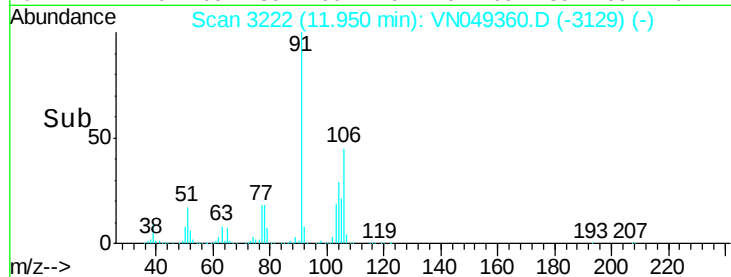
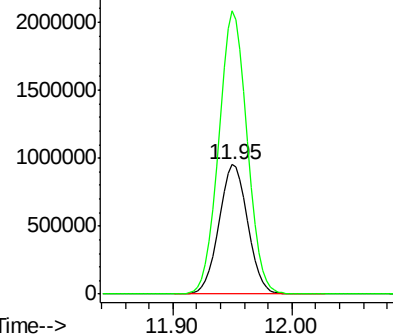
Manual Integrations
APPROVED

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6/19/2018 1:55:44 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 55.327 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

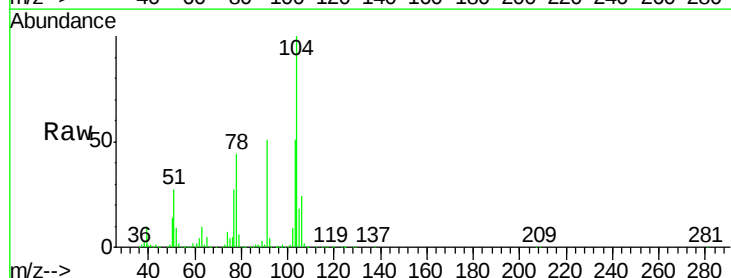
Tgt Ion:104 Resp: 2631444

Ion Ratio Lower Upper

104 100

78 49.0 41.6 62.4

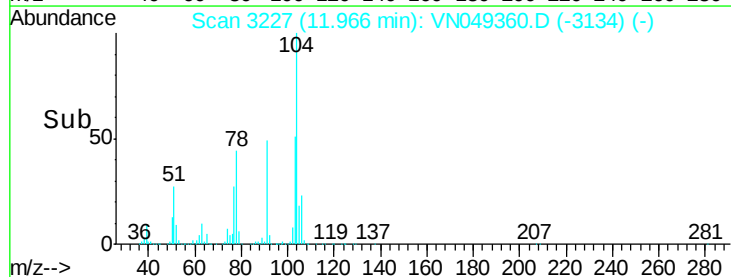
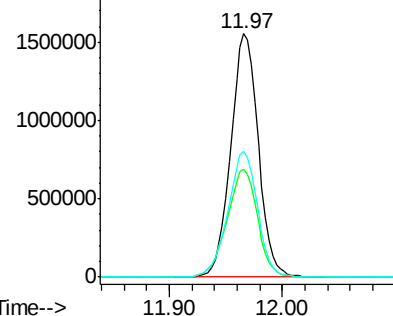
103 55.5 45.4 68.2

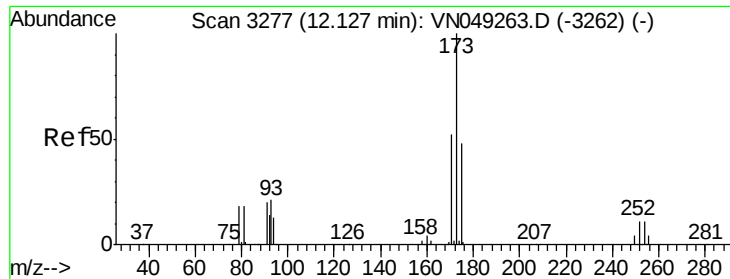


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





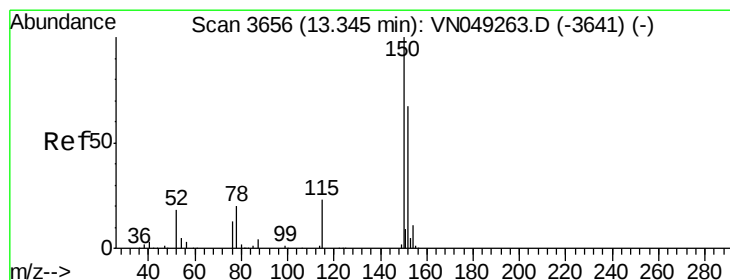
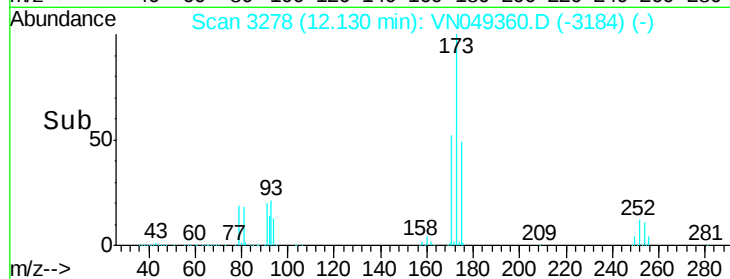
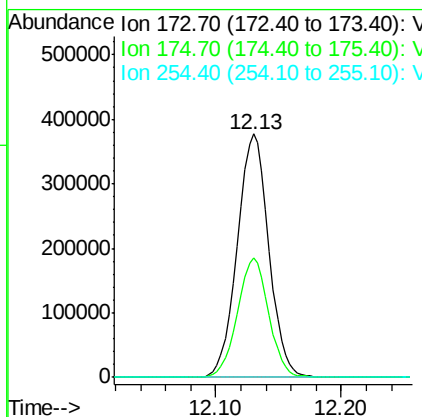
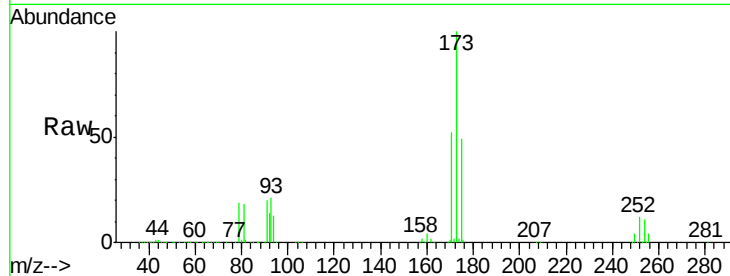
#71
Bromoform
Concen: 53.684 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.5	73.5
254	0.1	0.1	0.1

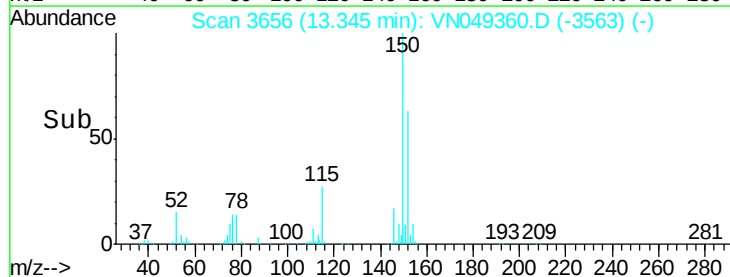
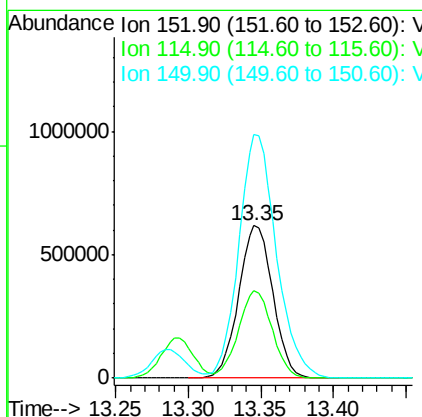
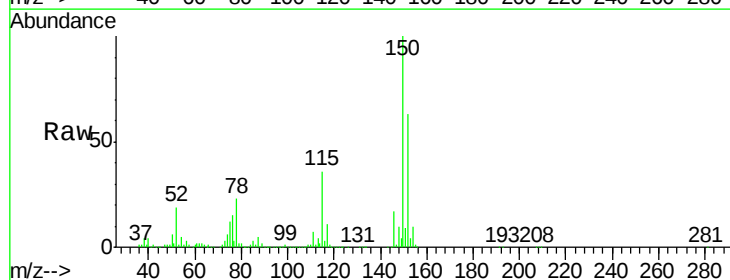
Manual Integrations
APPROVED

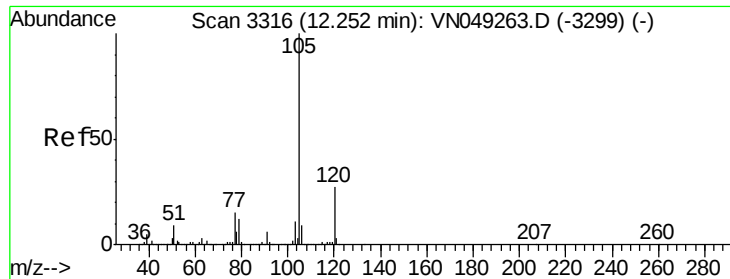
MMDadoda
6/19/2018 1:55:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.7	86.1
150	174.9	0.0	351.0





#73

Isopropylbenzene

Concen: 48.051 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4275439

Ion Ratio Lower Upper

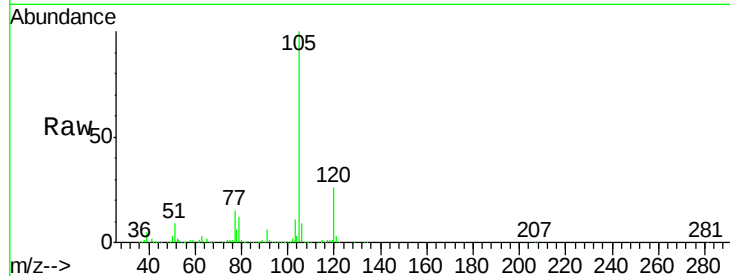
105 100

120 26.6 12.8 38.3

Manual Integrations
APPROVED

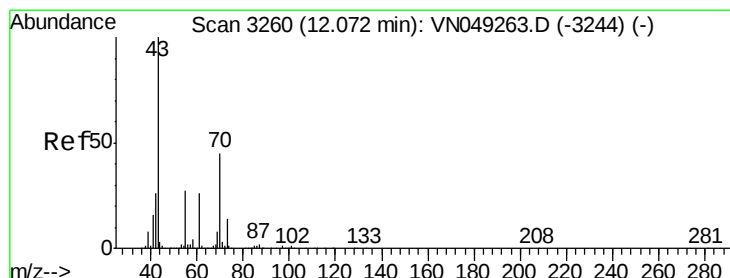
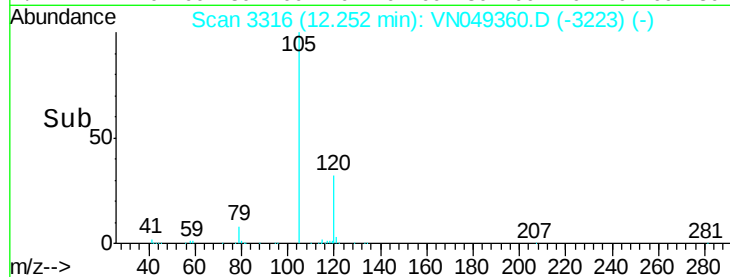
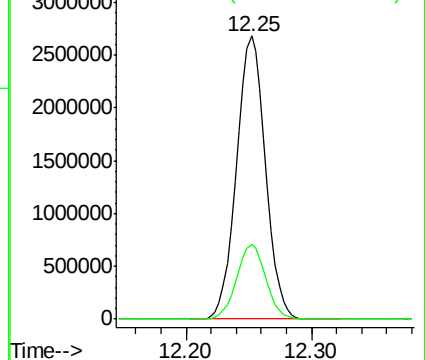
MMDadoda

6/19/2018 1:55:44 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.244 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Tgt Ion: 43 Resp: 1225742

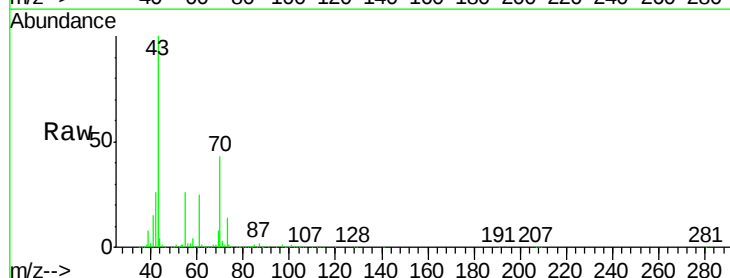
Ion Ratio Lower Upper

43 100

70 43.2 30.3 45.5

55 25.9 19.4 29.2

61 24.7 17.8 26.6

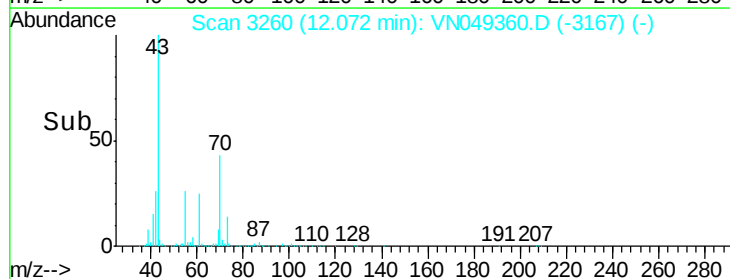
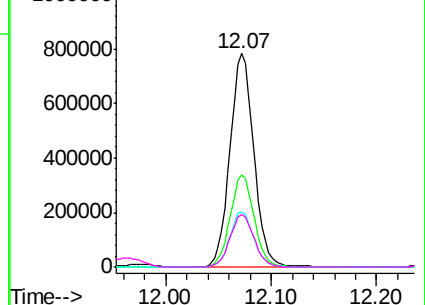


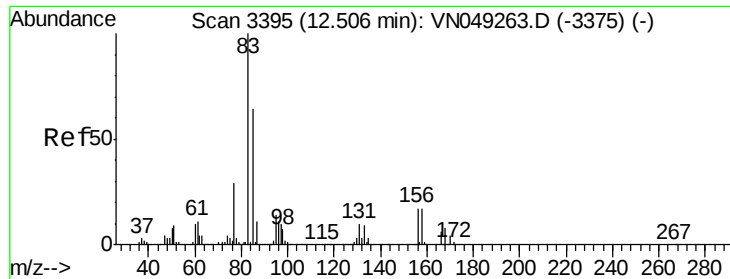
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.287 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

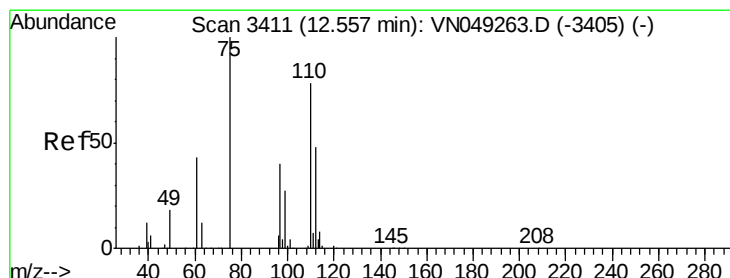
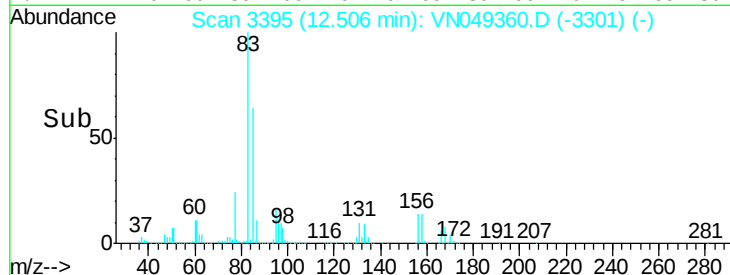
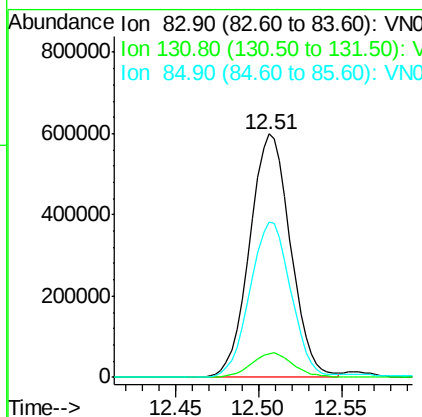
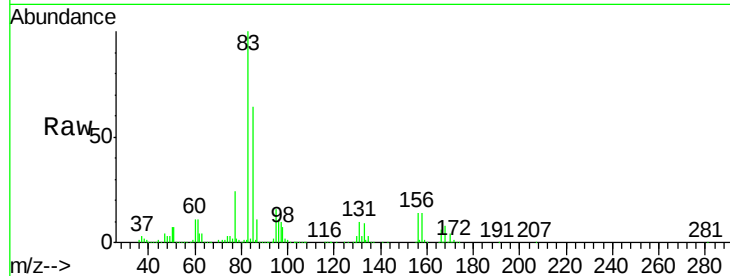
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	1025131
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	64.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.346 ug/l m

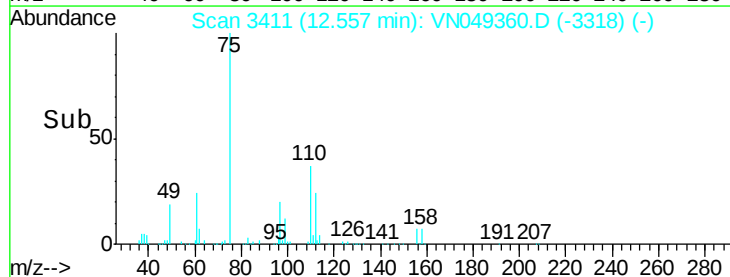
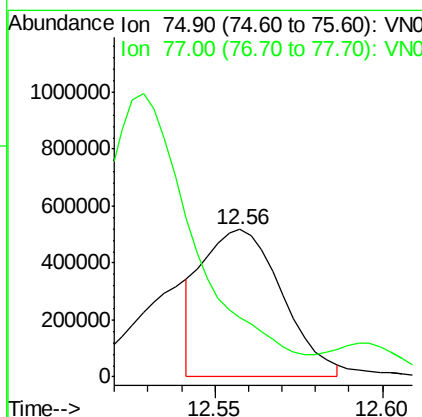
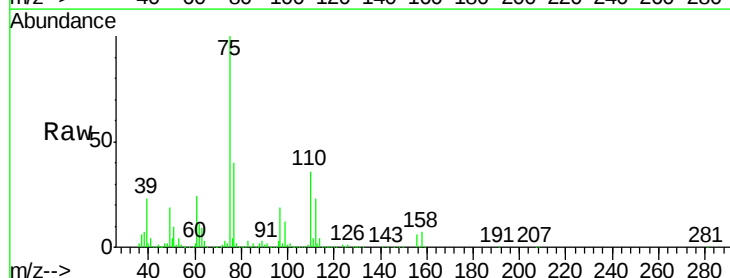
RT: 12.56 min Scan# 3411

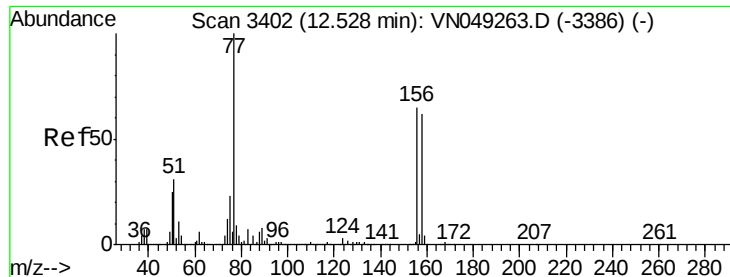
Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Tgt Ion:	75	Resp:	853235
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.654 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1072961

Ion Ratio Lower Upper

156 100

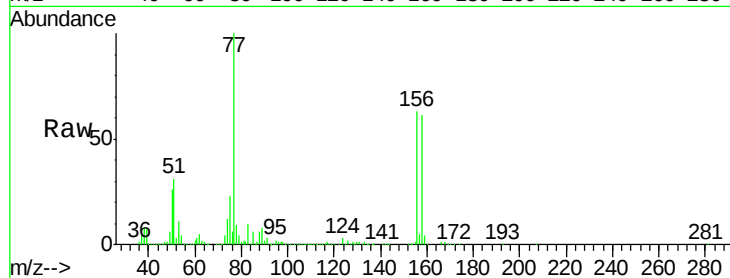
77 184.4 100.8 302.4

158 98.0 49.3 147.9

Manual Integrations
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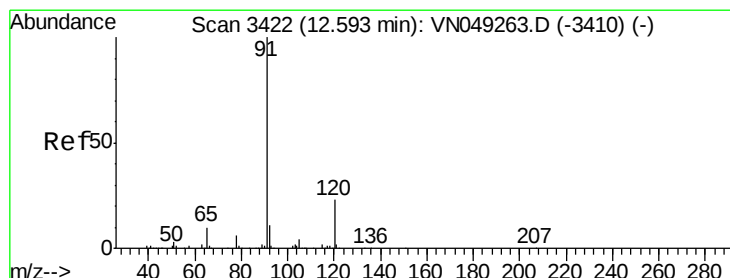
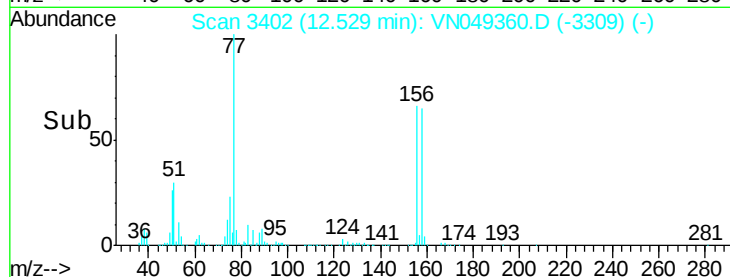
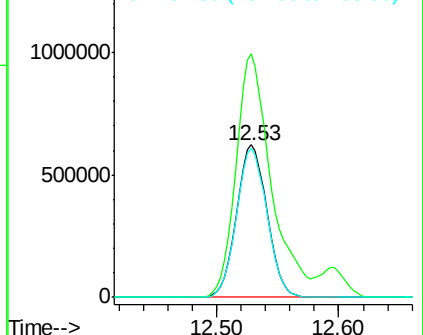
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.755 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049360.D

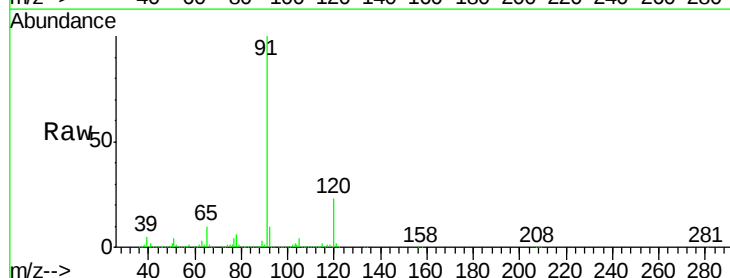
Acq: 18 Jun 2018 22:57

Tgt Ion: 91 Resp: 4860835

Ion Ratio Lower Upper

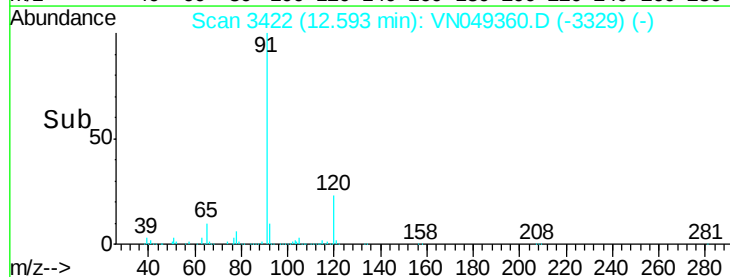
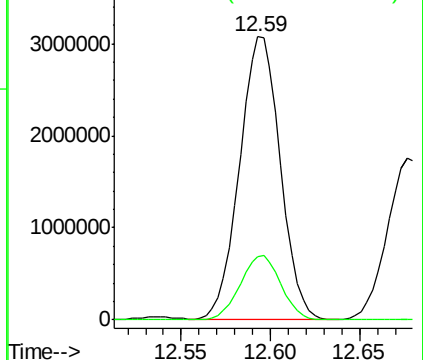
91 100

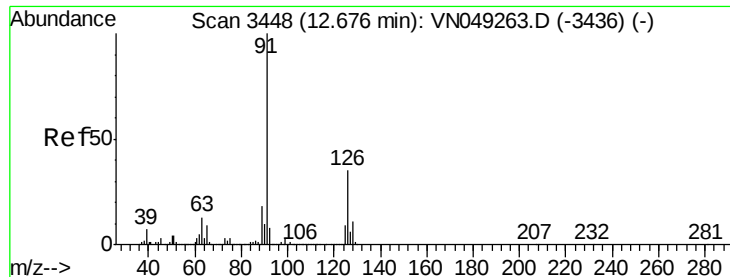
120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.247 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2924674

Ion Ratio Lower Upper

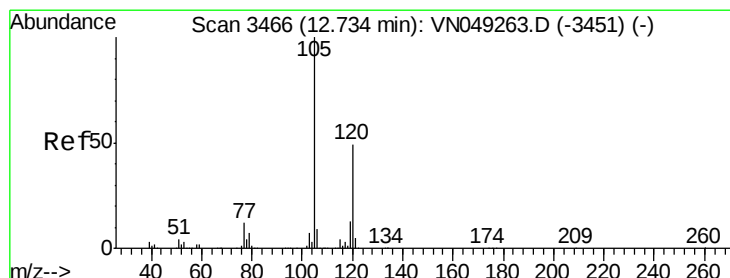
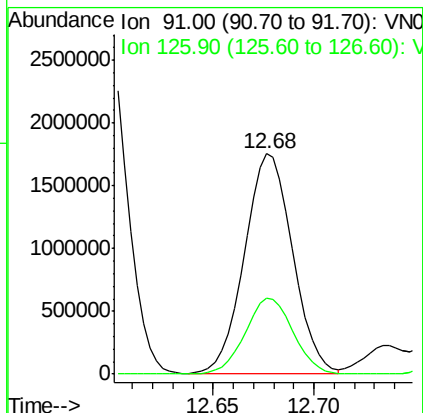
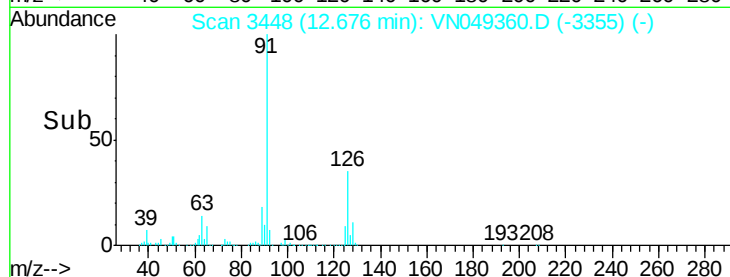
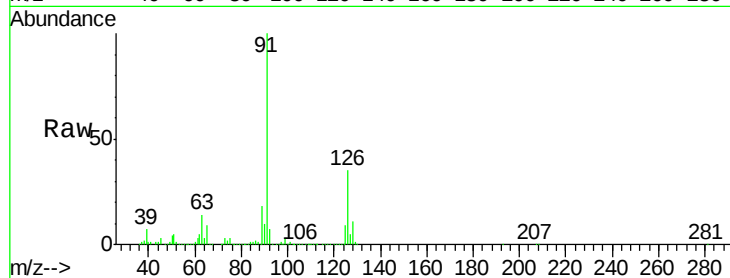
91 100

126 34.7 16.6 49.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 50.066 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049360.D

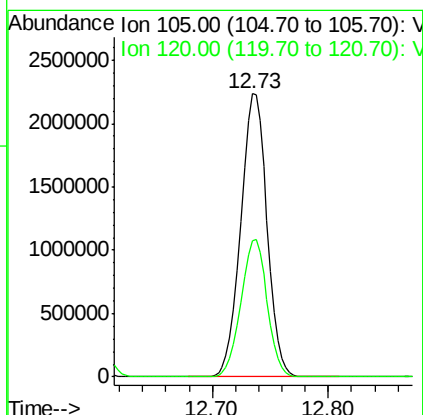
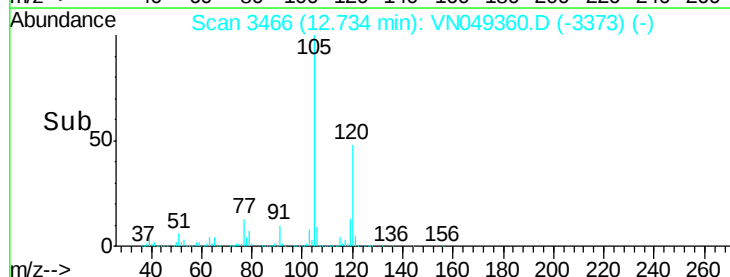
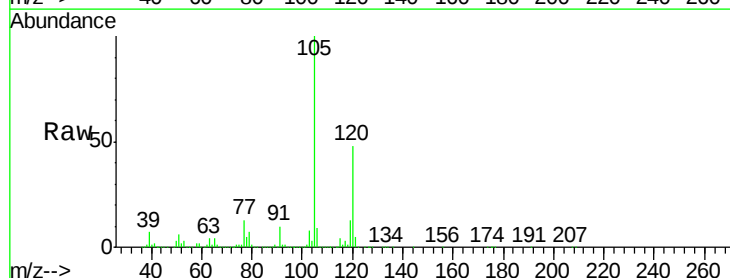
Acq: 18 Jun 2018 22:57

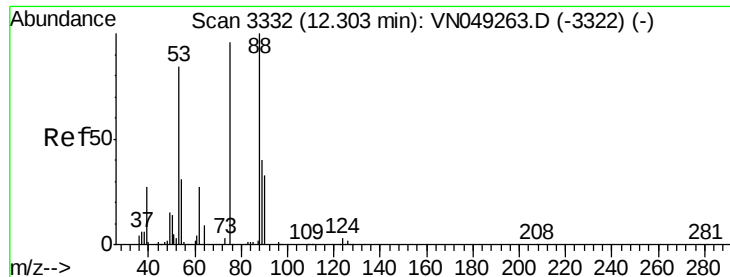
Tgt Ion: 105 Resp: 3501410

Ion Ratio Lower Upper

105 100

120 48.5 23.5 70.5





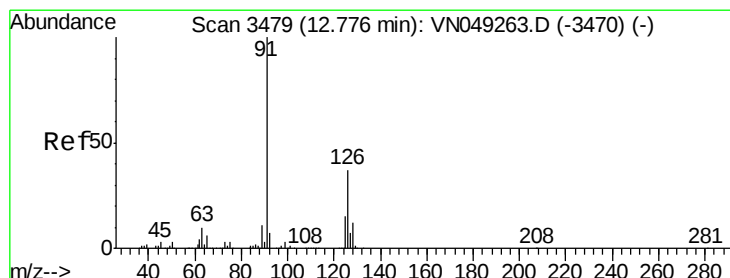
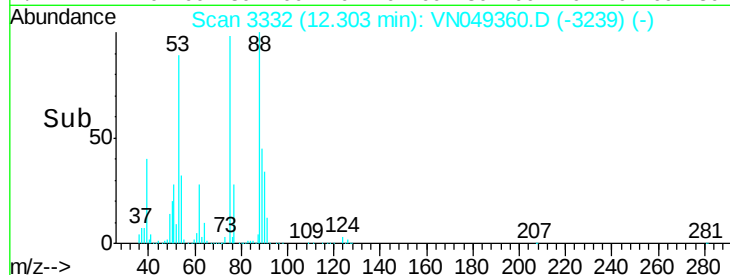
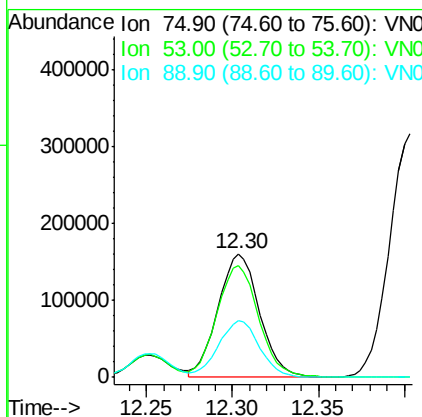
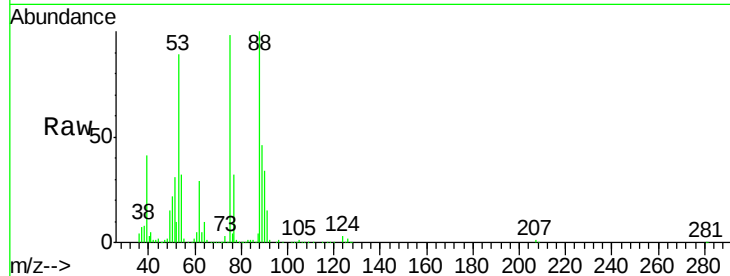
#81
trans-1,4-Dichloro-2-butene
Concen: 49.514 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	82.7	124.1
89	45.9	36.5	54.7

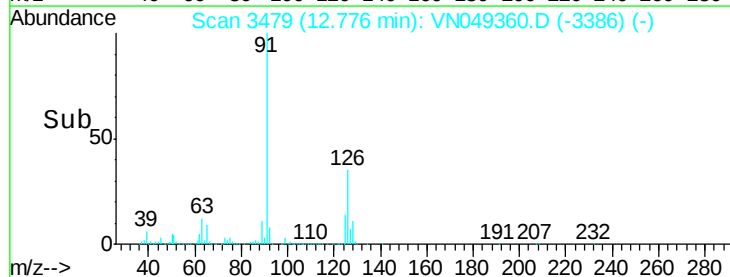
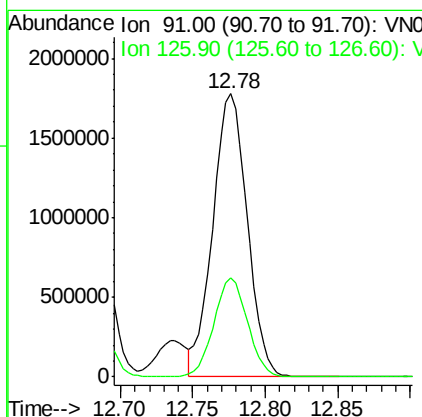
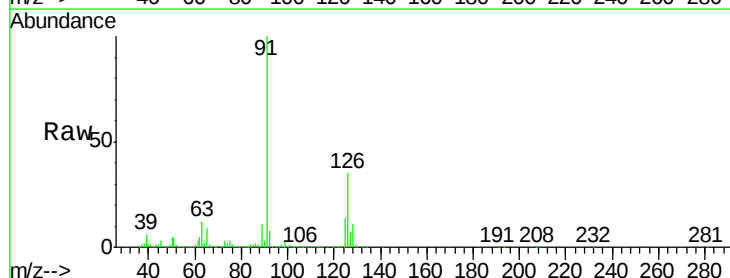
Manual Integrations
APPROVED

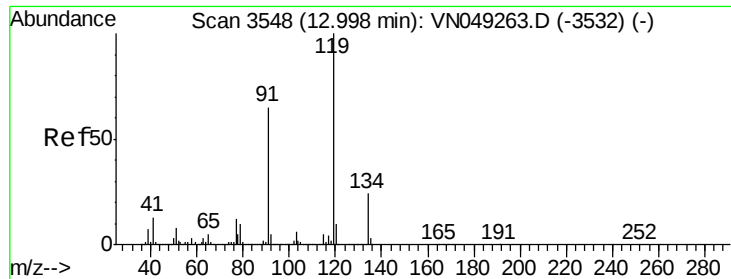
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#82
4-Chlorotoluene
Concen: 49.157 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.4	49.1





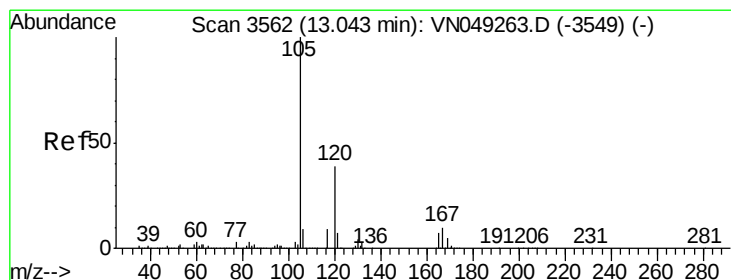
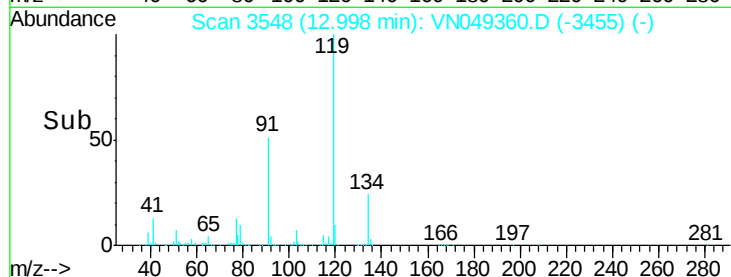
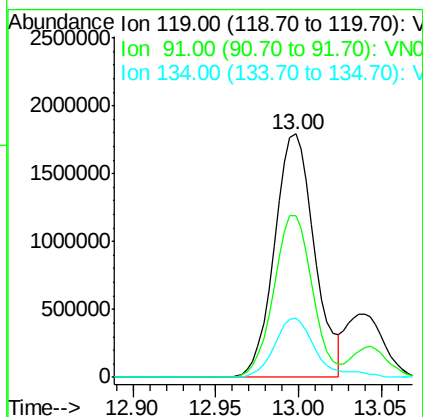
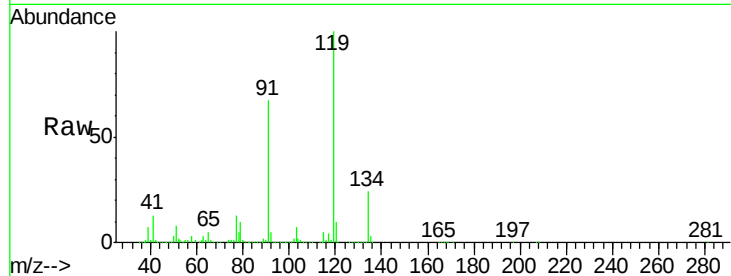
#83
tert-Butylbenzene
Concen: 48.520 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 3006194
Ion Ratio Lower Upper
119 100
91 64.2 33.7 101.0
134 25.4 12.9 38.6

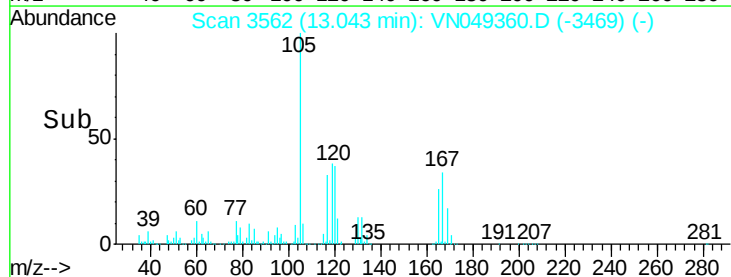
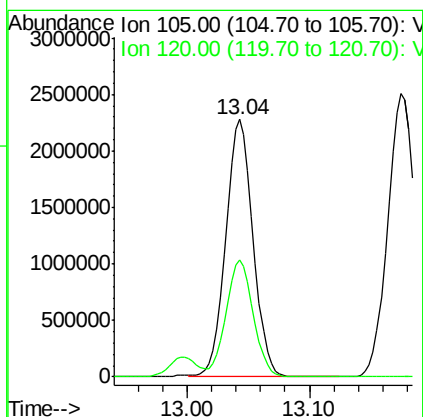
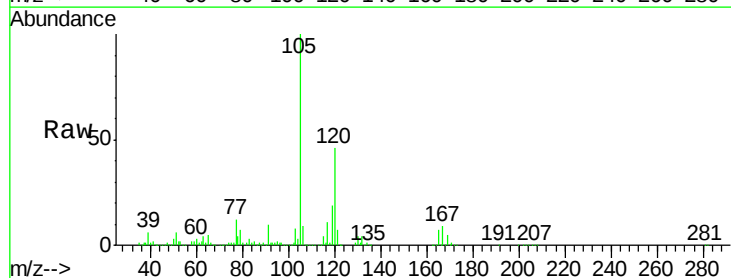
Manual Integrations
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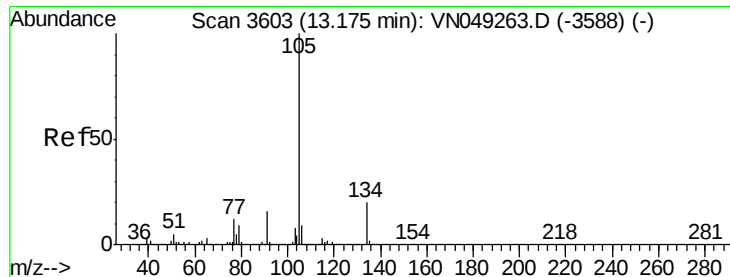
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#84
1,2,4-Trimethylbenzene
Concen: 51.093 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion:105 Resp: 3549675
Ion Ratio Lower Upper
105 100
120 45.7 22.2 66.6





#85

sec-Butylbenzene

Concen: 48.126 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3968712

Ion Ratio Lower Upper

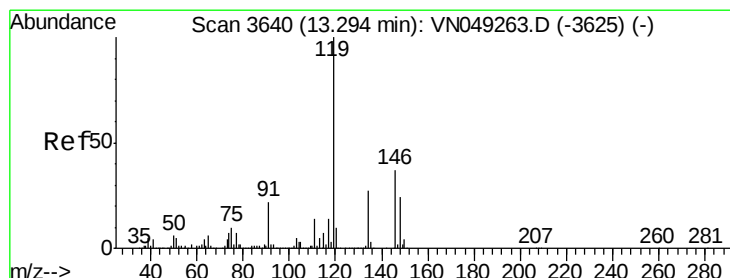
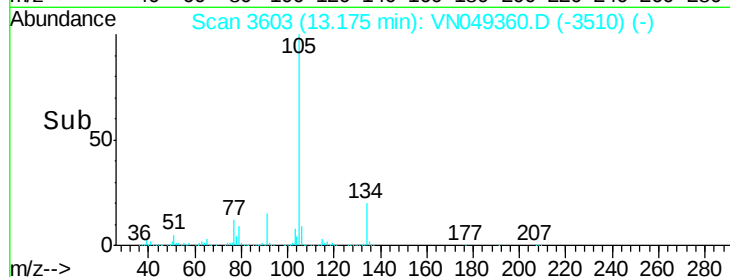
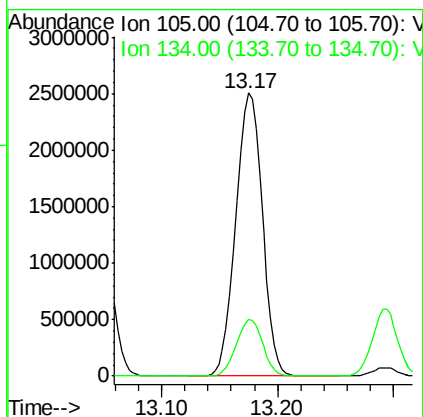
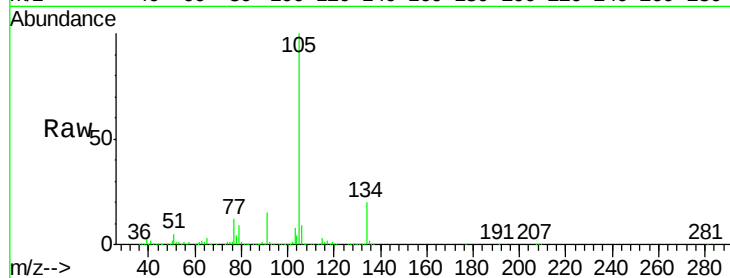
105 100

134 19.9 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 49.901 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049360.D

Acq: 18 Jun 2018 22:57

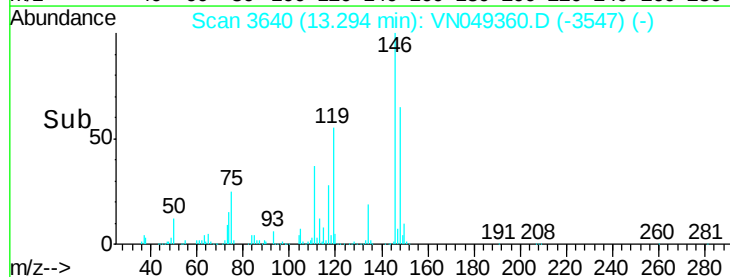
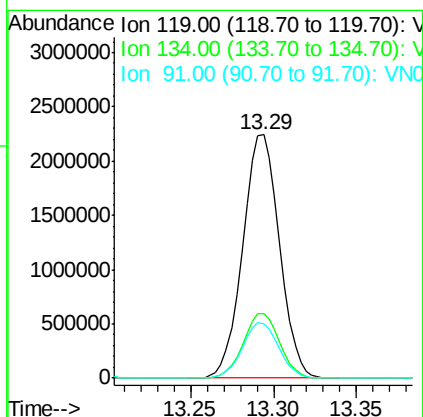
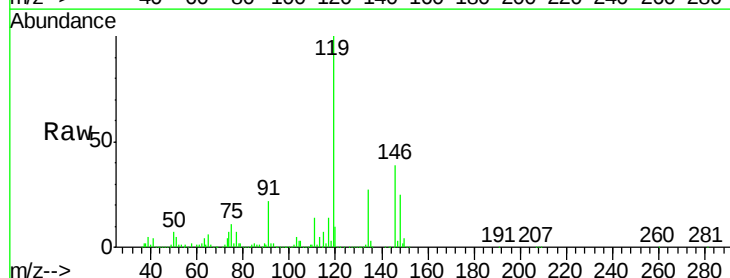
Tgt Ion:119 Resp: 3438046

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

91 22.7 12.1 36.3





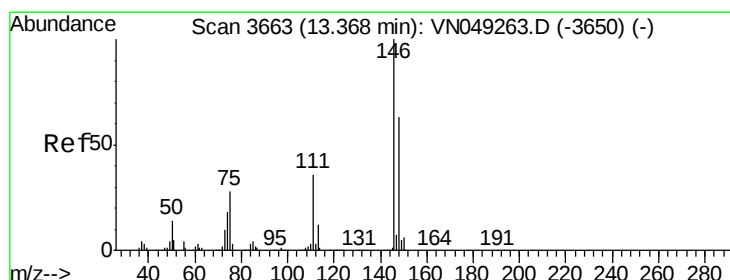
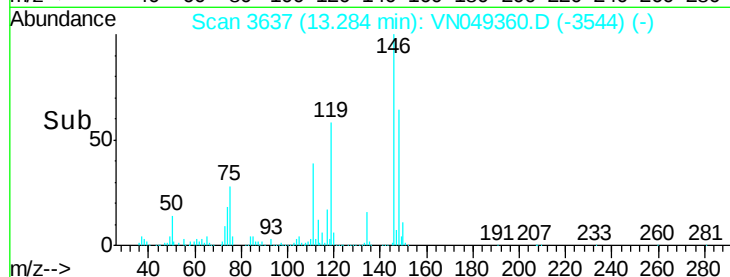
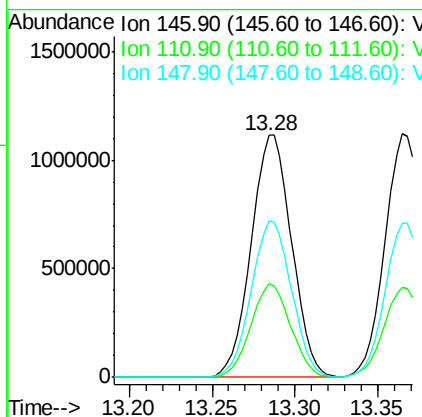
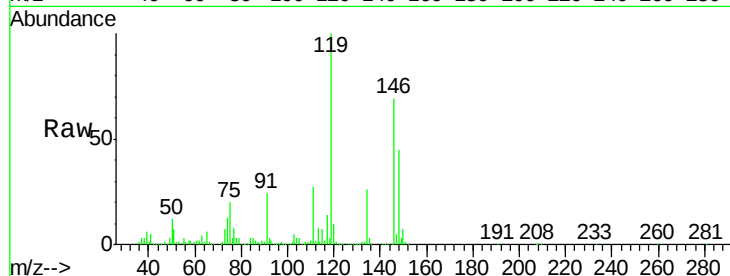
#87
 1,3-Dichlorobenzene
 Concen: 48.873 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.9	59.6
148	64.3	32.1	96.5

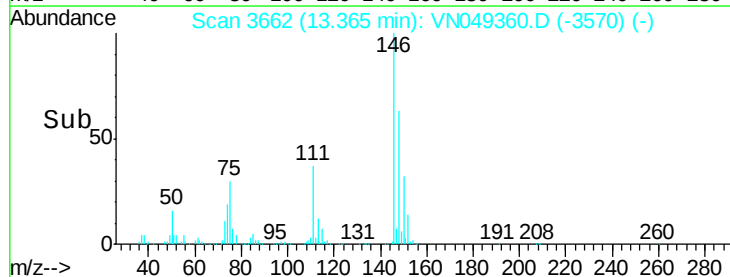
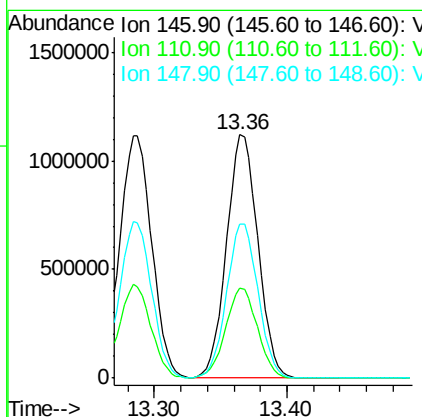
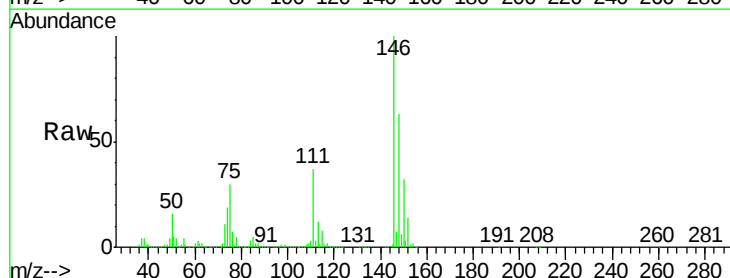
Manual Integrations
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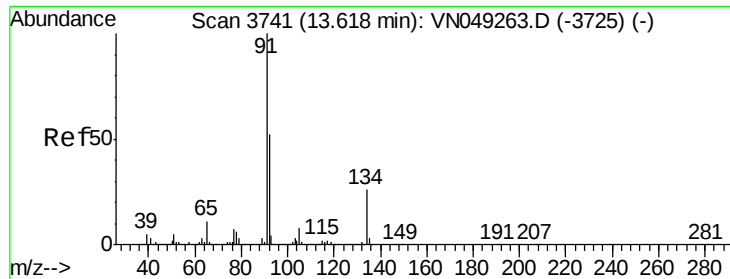
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#88
 1,4-Dichlorobenzene
 Concen: 48.011 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	63.4	32.0	96.2





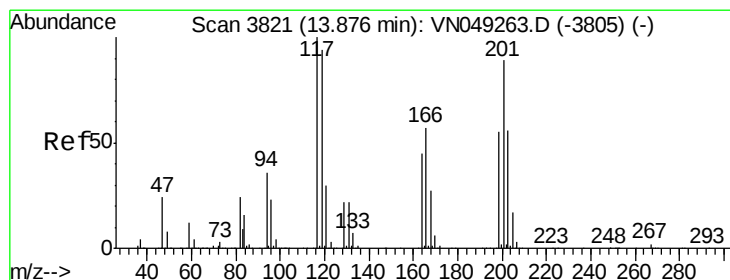
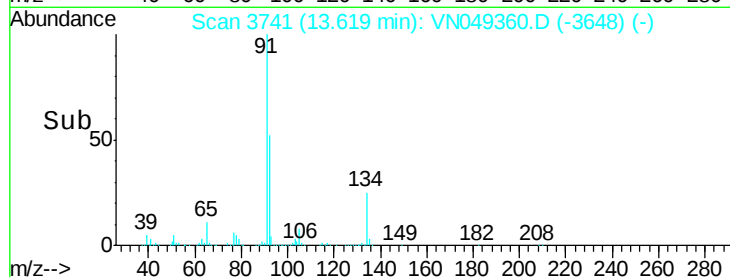
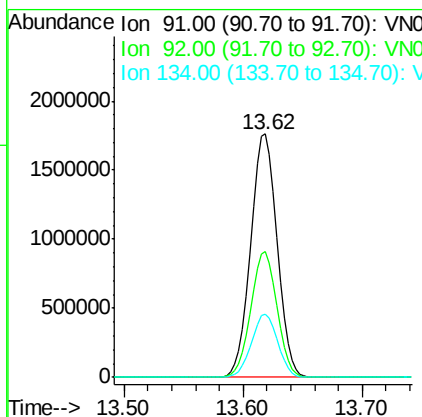
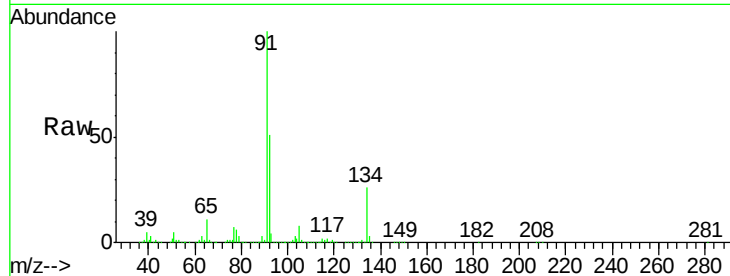
#89
n-Butylbenzene
Concen: 50.271 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.1	75.4
134	25.8	12.0	36.0

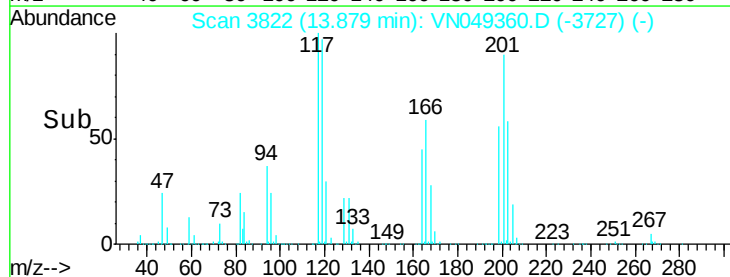
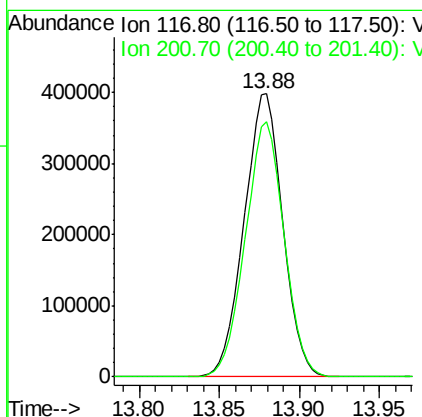
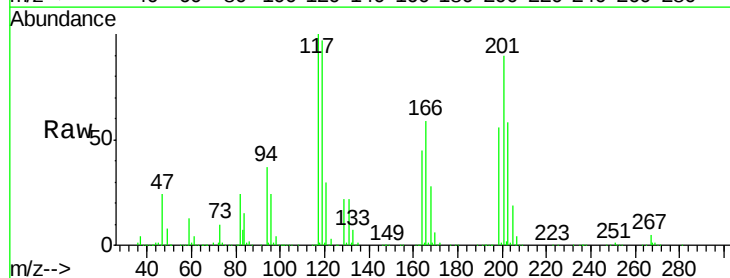
Manual Integrations
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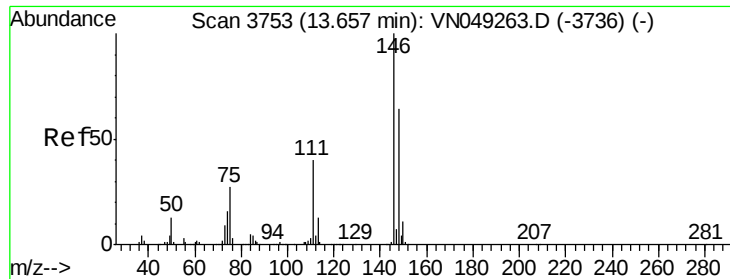
MMDadoda
6/19/2018 1:55:44 PM



#90
Hexachloroethane
Concen: 50.370 ug/l
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.6	40.1	120.2





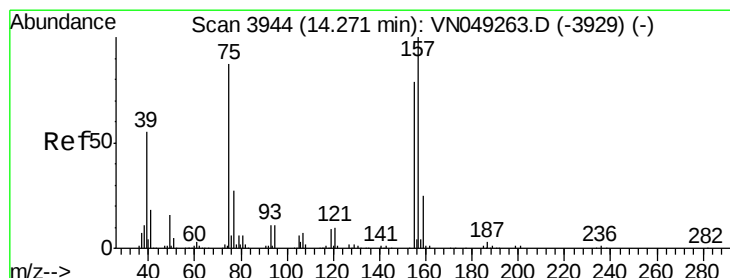
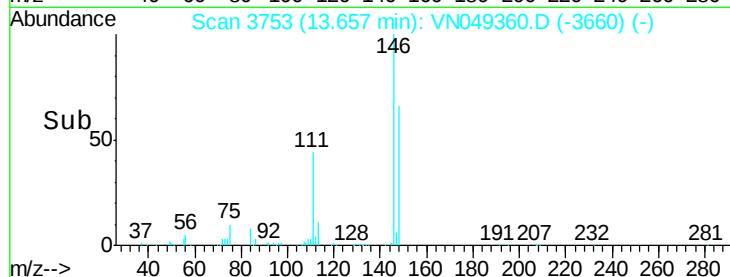
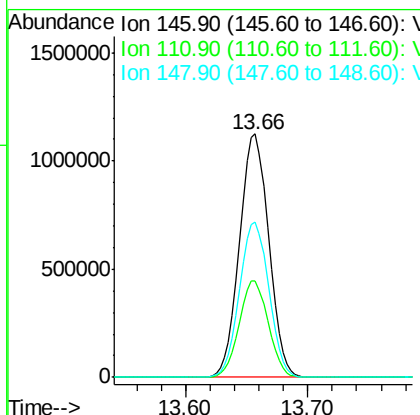
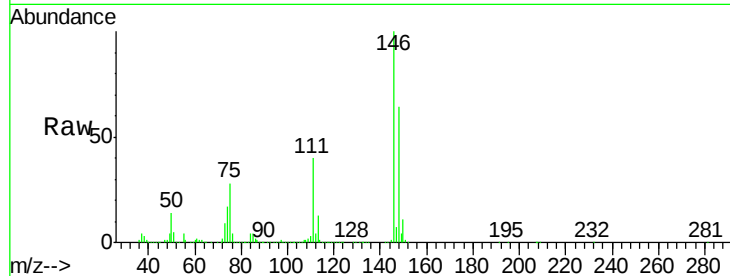
#91
 1,2-Dichlorobenzene
 Concen: 49.075 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.8	62.2
148	64.1	32.0	96.2

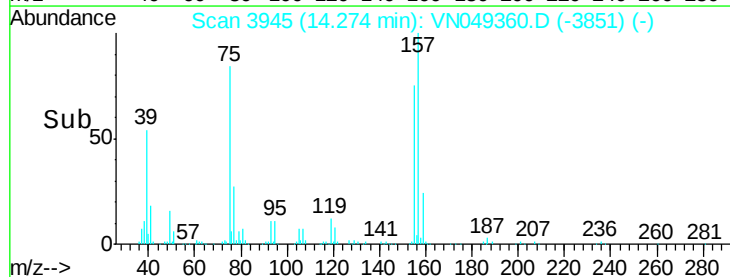
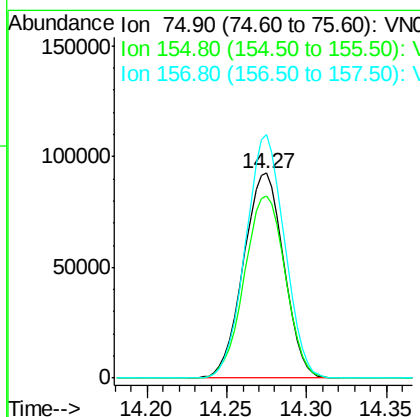
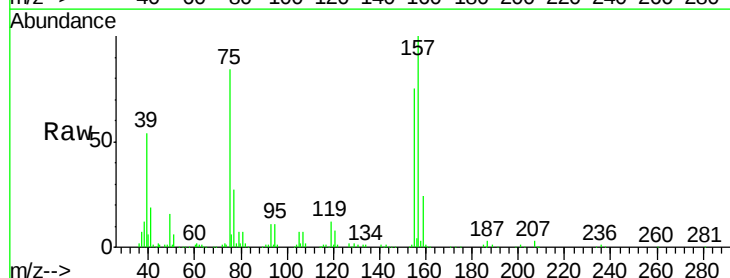
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.724 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	38.8	116.3
157	114.8	51.0	153.1





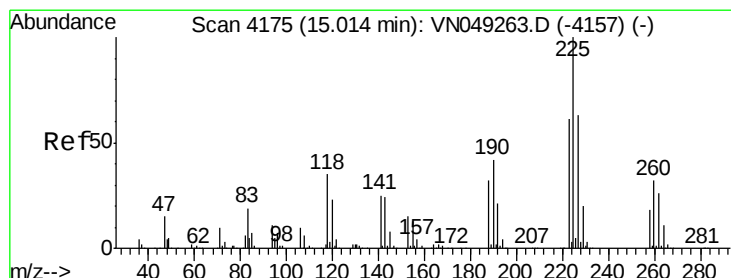
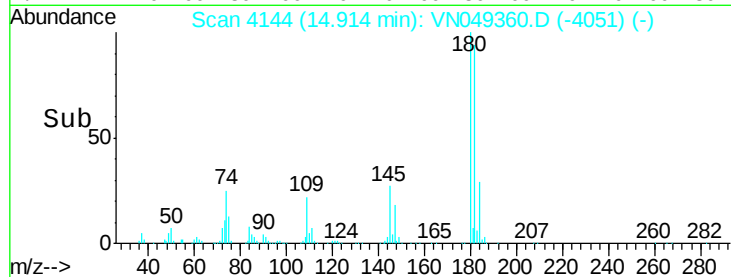
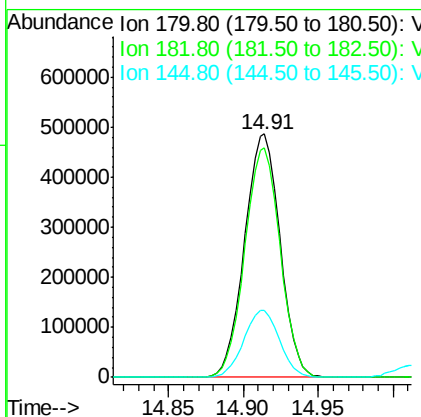
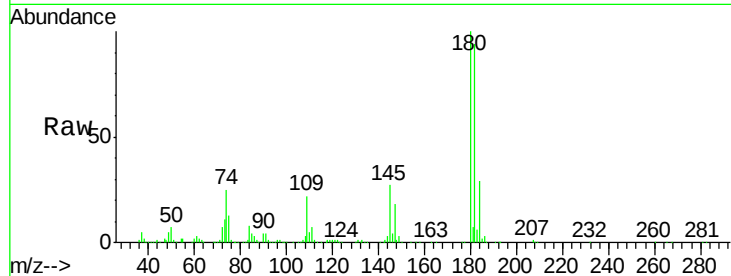
#93
 1,2,4-Trichlorobenzene
 Concen: 46.591 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.0	46.9	140.8	
145	27.6	14.7	44.1	

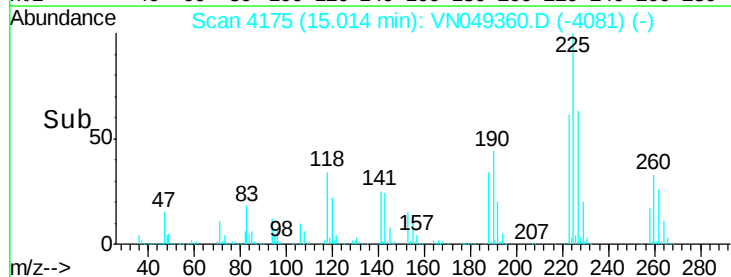
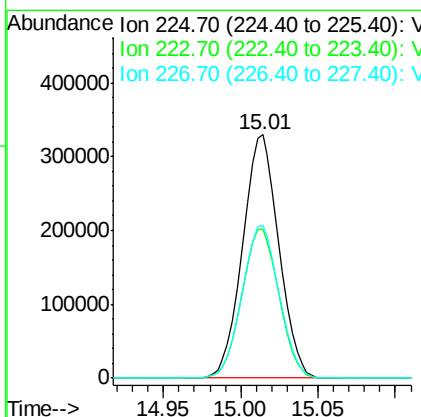
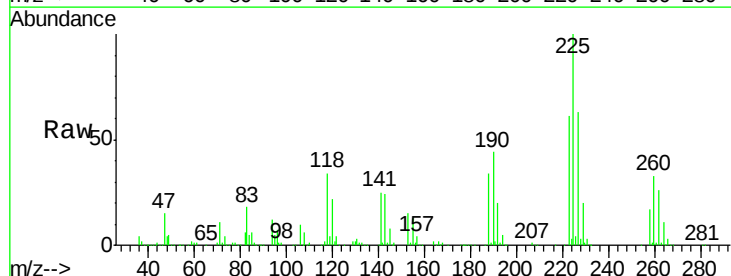
Manual Integrations
 APPROVED

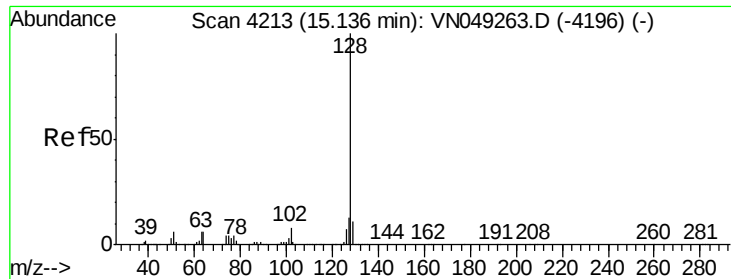
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#94
 Hexachlorobutadiene
 Concen: 48.304 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049360.D
 Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	32.1	96.3	
227	63.9	31.8	95.3	





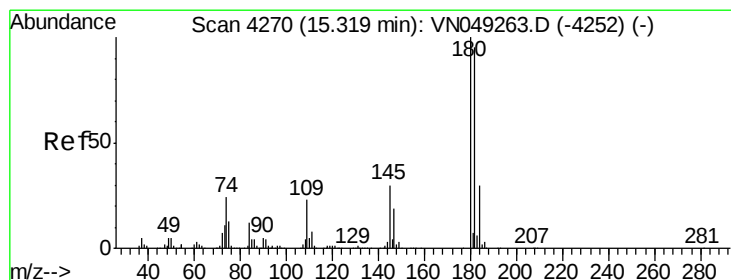
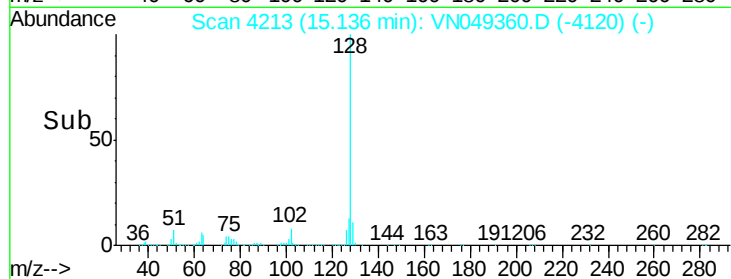
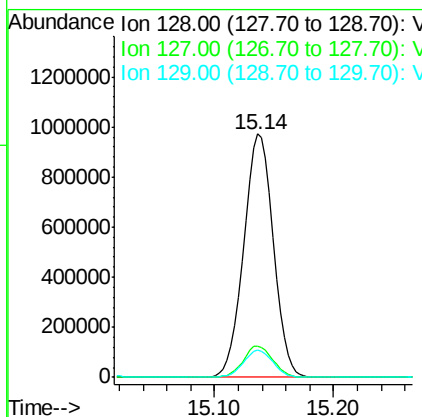
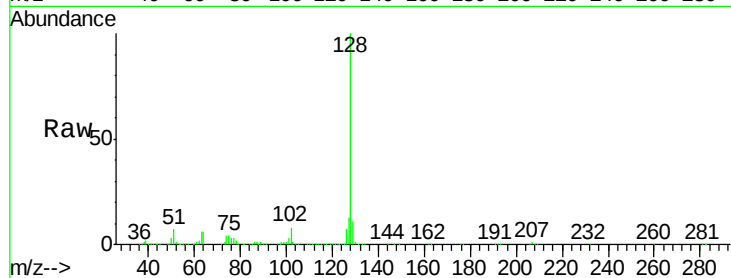
#95
Naphthalene
Concen: 53.664 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.0	8.5	12.7

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 48.068 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049360.D
Acq: 18 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	141.8
145	30.9	15.6	46.7

