

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062218\
 Data File : VN049489.D
 Acq On : 22 Jun 2018 14:15
 Operator : MD\SY
 Sample : VN0622WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD01

Manual Integrations
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 6/25/2018 4:23:21 PM

Quant Time: Jun 22 22:35:00 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	1347085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1977255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1785659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	836813	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	829428	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
35) Dibromofluoromethane	7.59	113	753801	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
50) Toluene-d8	10.09	98	2697766	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	
62) 4-Bromofluorobenzene	12.40	95	898925	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	270394	17.44	ug/l	99
3) Chloromethane	2.06	50	339210	16.94	ug/l	97
4) Vinyl Chloride	2.18	62	368898	17.34	ug/l	100
5) Bromomethane	2.57	94	205741	18.39	ug/l	98
6) Chloroethane	2.71	64	237158	18.69	ug/l	96
7) Trichlorofluoromethane	3.02	101	495911	18.68	ug/l	99
8) Diethyl Ether	3.41	74	177762	19.18	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	314112	18.66	ug/l	94
10) Methyl Iodide	3.95	142	334377	19.08	ug/l	92
11) Tert butyl alcohol	4.80	59	93460	89.12	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	272696	17.66	ug/l	92
13) Acrolein	3.61	56	92699	84.29	ug/l	98
14) Allyl chloride	4.32	41	439166	18.01	ug/l	90
15) Acrylonitrile	4.99	53	496914	94.77	ug/l	99
16) Acetone	3.82	43	437289	100.80	ug/l	90
17) Carbon Disulfide	4.05	76	793168	16.38	ug/l	99
18) Methyl Acetate	4.33	43	274795	20.77	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	750545	19.06	ug/l	99
20) Methylene Chloride	4.55	84	339049	18.71	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	296842	18.15	ug/l	90
22) Diisopropyl ether	5.96	45	954926	19.61	ug/l	98
23) Vinyl Acetate	5.90	43	2939152	92.57	ug/l	96
24) 1,1-Dichloroethane	5.85	63	578832	18.57	ug/l	98
25) 2-Butanone	6.84	43	565357	97.06	ug/l	99
26) 2,2-Dichloropropane	6.82	77	474869	18.86	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	327533	18.02	ug/l	94
28) Bromochloromethane	7.20	49	260912	18.88	ug/l #	83
29) Tetrahydrofuran	7.21	42	354209	94.46	ug/l	93
30) Chloroform	7.37	83	583622	18.81	ug/l	99
31) Cyclohexane	7.65	56	475521	17.88	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	498784	18.84	ug/l	97
36) 1,1-Dichloropropene	7.79	75	419611	18.52	ug/l	97
37) Ethyl Acetate	6.93	43	249630	20.26	ug/l #	98
38) Carbon Tetrachloride	7.77	117	435705	18.57	ug/l	98

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Manual Integrations
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Quant Time: Jun 22 22:35:00 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	429771	17.67	ug/l	96
40) Benzene	8.04	78	1300722	18.72	ug/l	99
41) Methacrylonitrile	7.18	41	136924	20.56	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	413540	19.27	ug/l	95
43) Isopropyl Acetate	8.17	43	451201	19.17	ug/l	98
44) Trichloroethene	8.83	130	352711	19.22	ug/l	92
45) 1,2-Dichloropropane	9.12	63	345611	19.00	ug/l	100
46) Dibromomethane	9.21	93	204028	19.34	ug/l	92
47) Bromodichloromethane	9.40	83	442197	19.08	ug/l	96
48) Methyl methacrylate	9.20	41	216535	19.53	ug/l	89
49) 1,4-Dioxane	9.20	88	57351	374.88	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1210773	98.14	ug/l	94
52) Toluene	10.16	92	792826	19.44	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	405213	18.27	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	482837	18.44	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	288639	18.99	ug/l	98
56) Ethyl methacrylate	10.43	69	333771	19.03	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	482985	19.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	341186	65.63	ug/l	94
59) 2-Hexanone	10.75	43	779265	97.98	ug/l	94
60) Dibromochloromethane	10.90	129	324556	19.13	ug/l	98
61) 1,2-Dibromoethane	11.01	107	266406	18.85	ug/l	100
64) Tetrachloroethene	10.63	164	401717	21.95	ug/l	98
65) Chlorobenzene	11.44	112	846921	18.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	325775	18.82	ug/l	100
67) Ethyl Benzene	11.51	91	1425047	18.68	ug/l	99
68) m/p-Xylenes	11.62	106	1116030	38.97	ug/l	96
69) o-Xylene	11.95	106	526678	19.10	ug/l	95
70) Styrene	11.97	104	832583	19.13	ug/l	98
71) Bromoform	12.13	173	216372	19.31	ug/l #	98
73) Isopropylbenzene	12.25	105	1395018	18.99	ug/l	99
74) N-amyl acetate	12.07	43	322045	17.90	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	306898	18.91	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	293922m	20.59	ug/l	
77) Bromobenzene	12.53	156	358507	18.47	ug/l	90
78) n-propylbenzene	12.59	91	1563187	19.38	ug/l	98
79) 2-Chlorotoluene	12.68	91	973702	19.05	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1136939	19.69	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	80970	17.92	ug/l	95
82) 4-Chlorotoluene	12.77	91	944775	19.16	ug/l	97
83) tert-Butylbenzene	12.99	119	962174	18.81	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1129291	19.68	ug/l	99
85) sec-Butylbenzene	13.17	105	1284714	18.87	ug/l	99
86) p-Isopropyltoluene	13.29	119	1059720	18.63	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	598960	18.76	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	567469	17.93	ug/l	99
89) n-Butylbenzene	13.62	91	758707	17.07	ug/l	98
90) Hexachloroethane	13.88	117	215336	18.95	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	585119	18.69	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45429	17.76	ug/l	85

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0622WBSD01

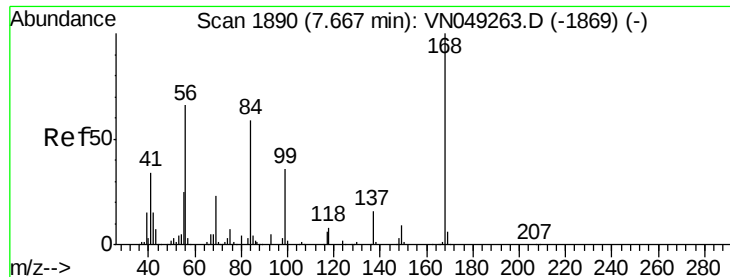
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	176083	15.85	ug/l	98
94) Hexachlorobutadiene	15.01	225	191550	19.24	ug/l	99
95) Naphthalene	15.14	128	342562	16.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	196006	16.46	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion:168 Resp: 1347085

Ion Ratio Lower Upper

168 100

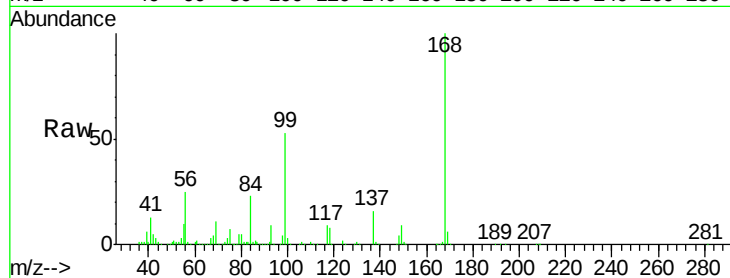
99 52.0 45.8 68.6

Manual Integrations

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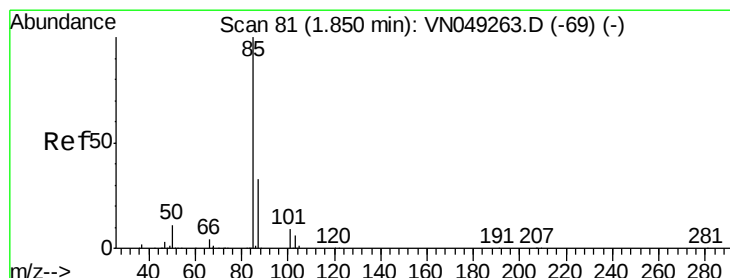
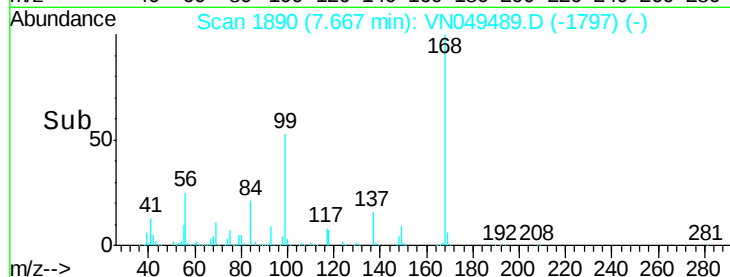
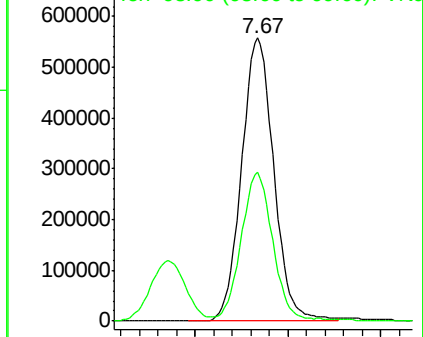
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.44 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049489.D

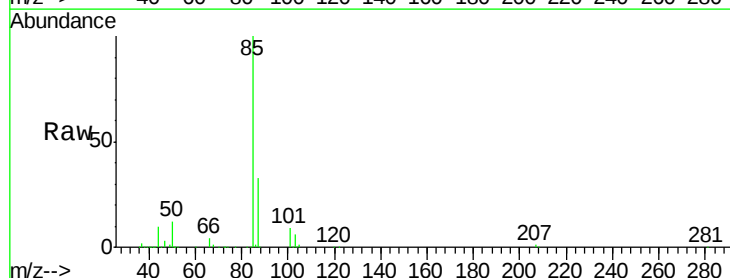
Acq: 22 Jun 2018 14:15

Tgt Ion: 85 Resp: 270394

Ion Ratio Lower Upper

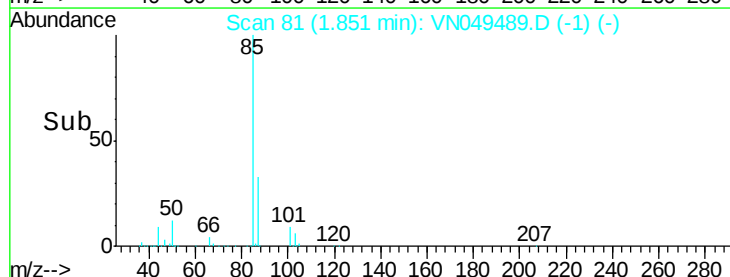
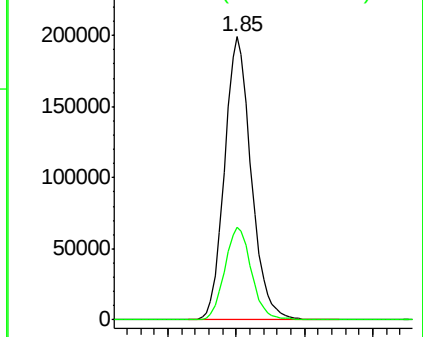
85 100

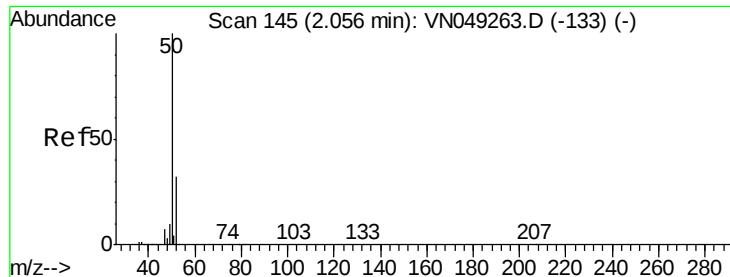
87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.94 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion: 50 Resp: 339210

Ion Ratio Lower Upper

50 100

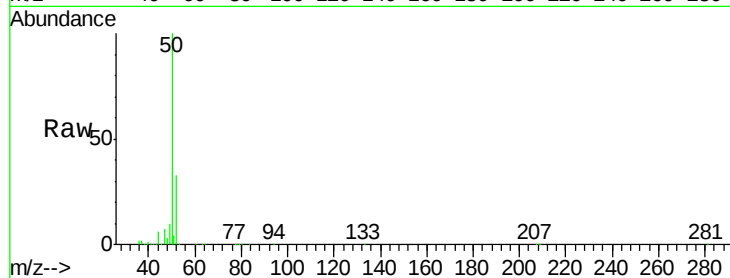
52 33.3 25.2 37.8

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

250000

200000

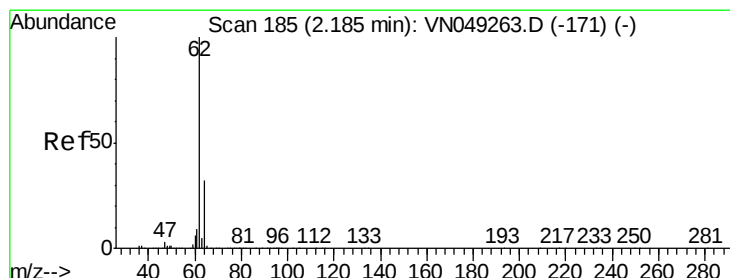
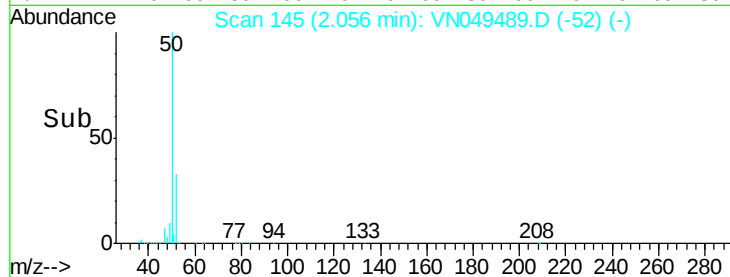
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 17.34 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049489.D

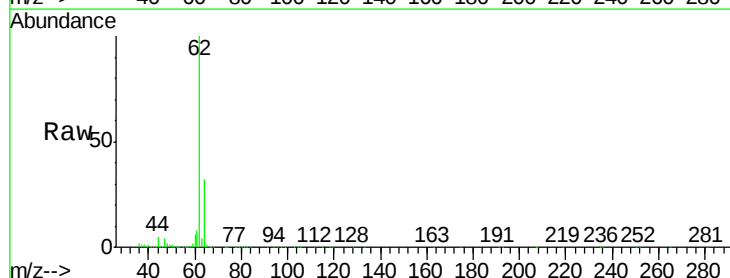
Acq: 22 Jun 2018 14:15

Tgt Ion: 62 Resp: 368898

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

250000

200000

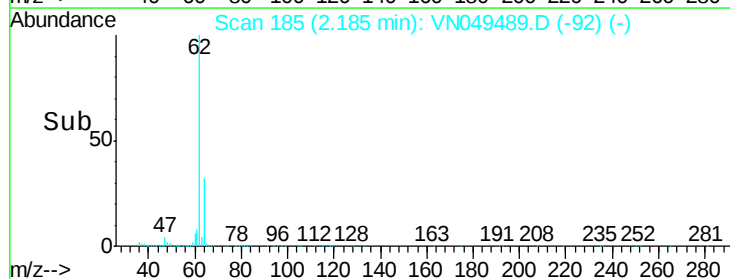
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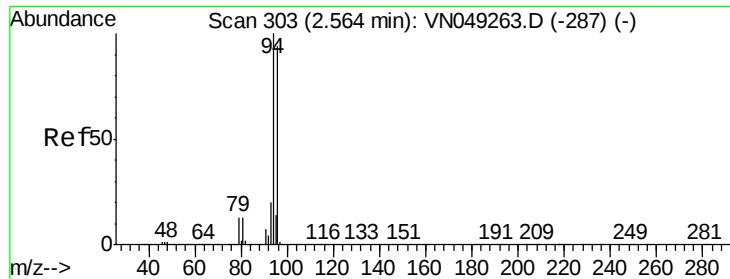
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.39 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion: 94 Resp: 205741

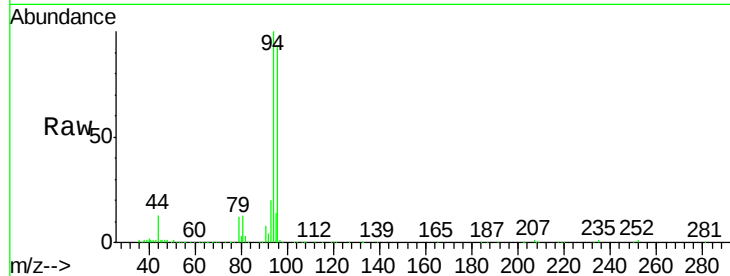
Ion Ratio Lower Upper

94 100

96 92.8 72.8 109.2

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

120000

100000

80000

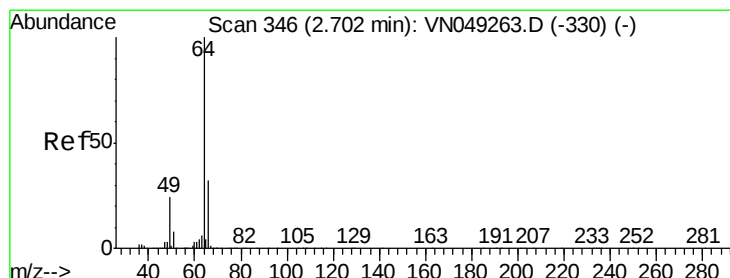
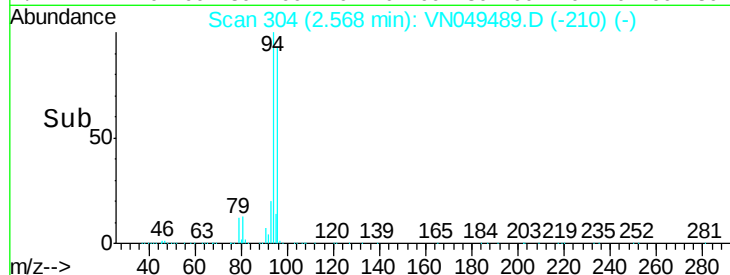
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 18.69 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049489.D

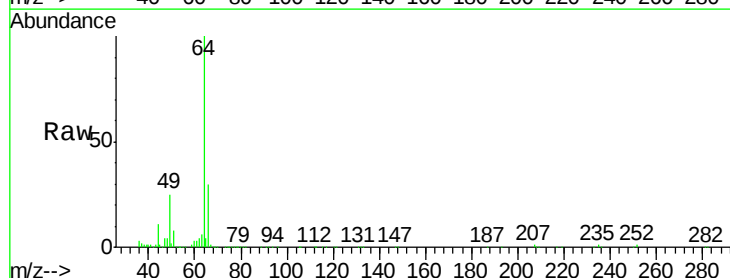
Acq: 22 Jun 2018 14:15

Tgt Ion: 64 Resp: 237158

Ion Ratio Lower Upper

64 100

66 29.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

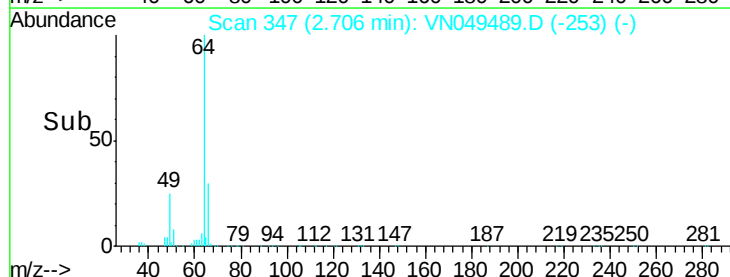
2.71

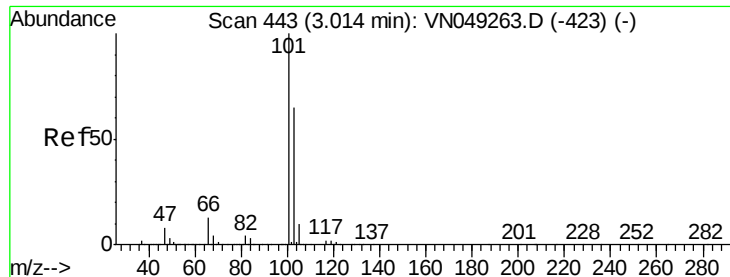
100000

50000

0

Time-->





#7

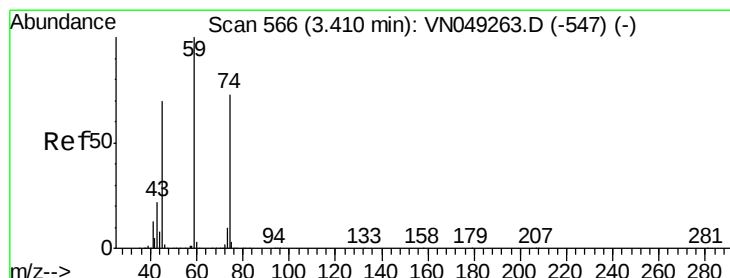
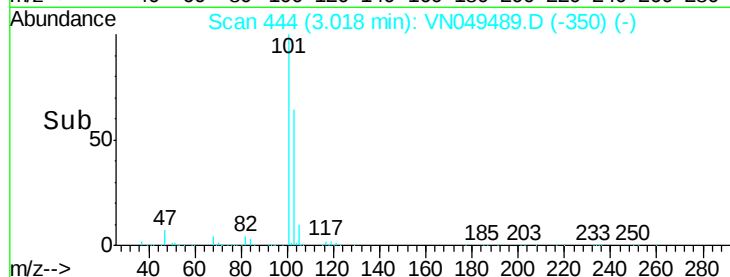
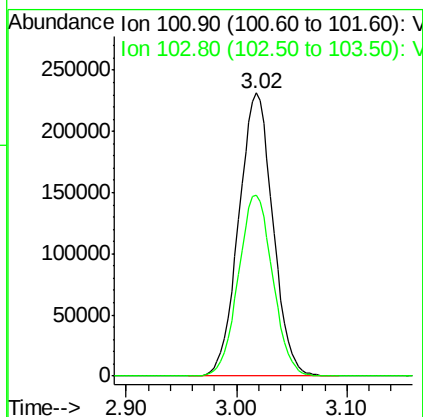
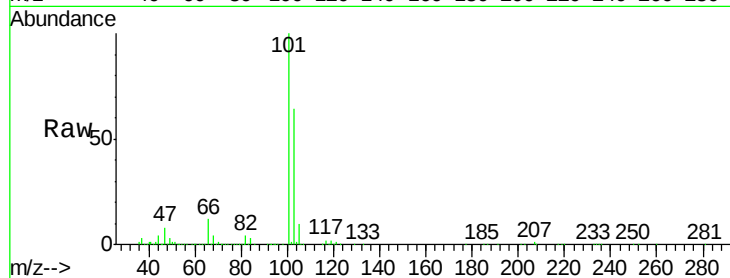
Trichlorofluoromethane
 Concen: 18.68 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Instrument :
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 ClientSampleId :
 VN0622WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		495911		
103	64.0	51.7	77.5		

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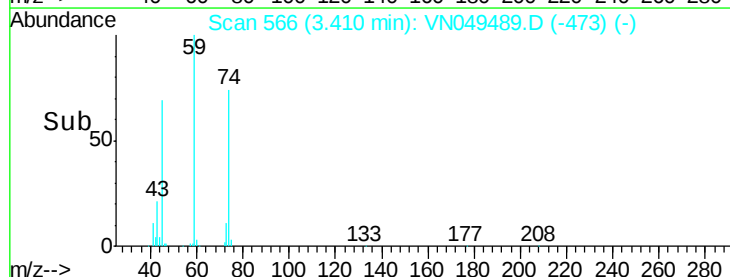
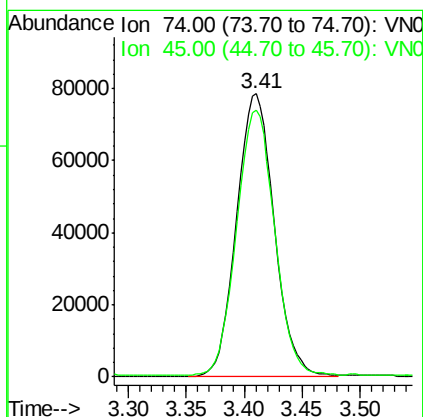
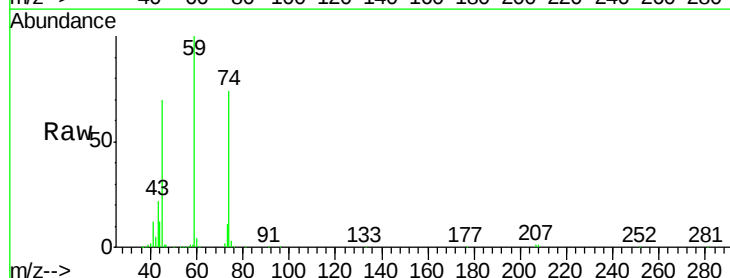
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#8

Diethyl Ether
 Concen: 19.18 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		177762		
45	93.9	51.9	155.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.66 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

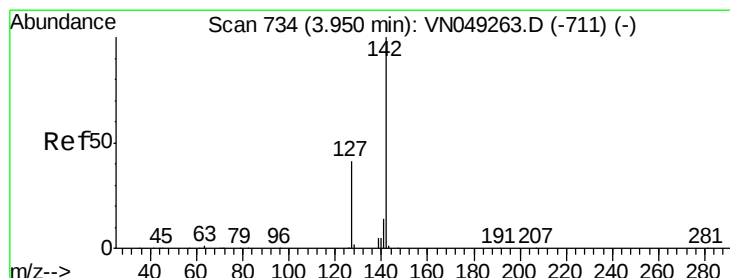
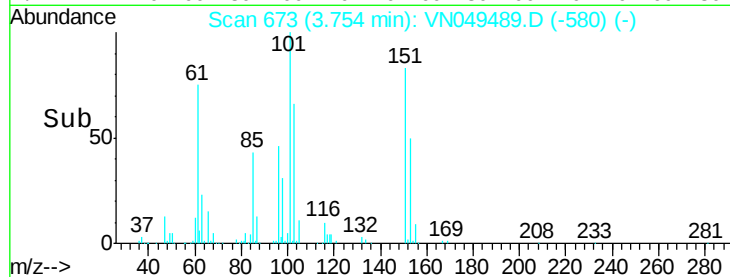
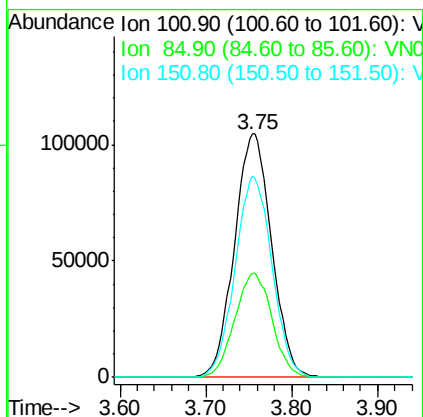
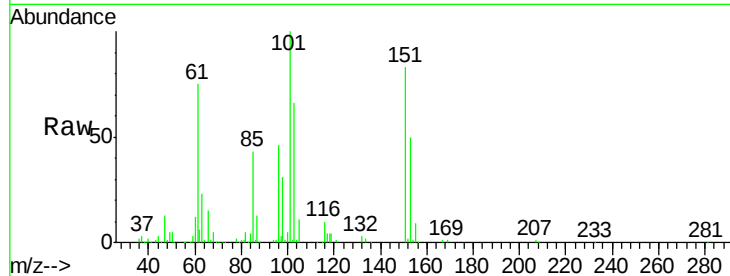
ClientSampleId :

VN0622WBSD01

Tot Ion:	101	Resp:	314112
Ion Ratio	Lower	Upper	
101	100		
85	42.8	37.6	56.4
151	81.8	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.08 ug/l

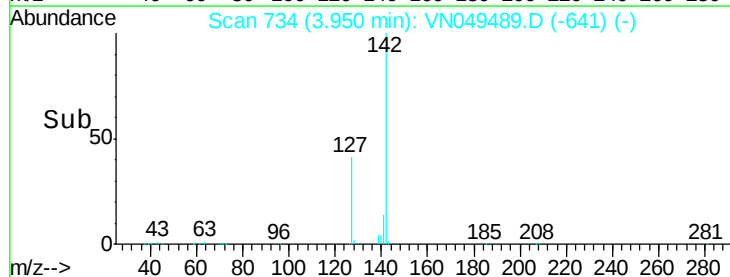
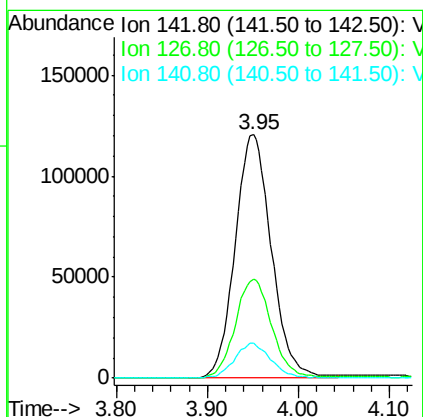
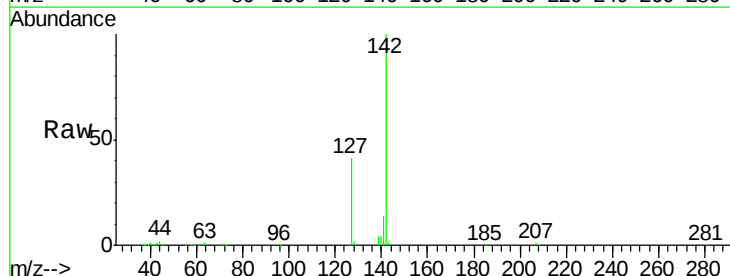
RT: 3.95 min Scan# 734

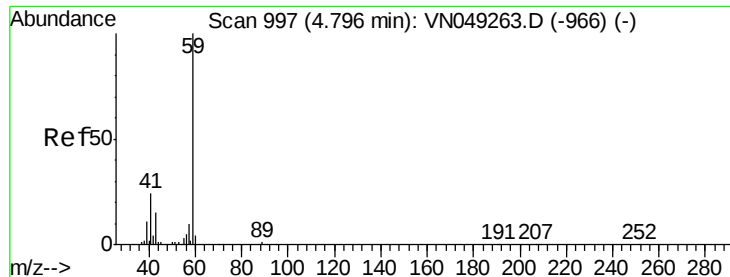
Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	142	Resp:	334377
Ion Ratio	Lower	Upper	
142	100		
127	40.9	38.2	57.4
141	14.2	11.9	17.9





#11

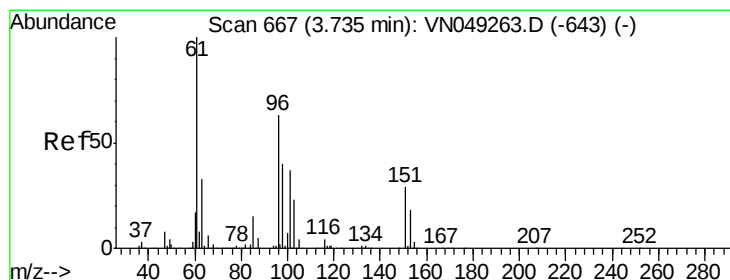
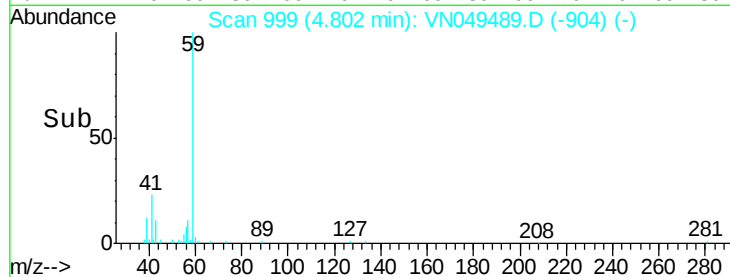
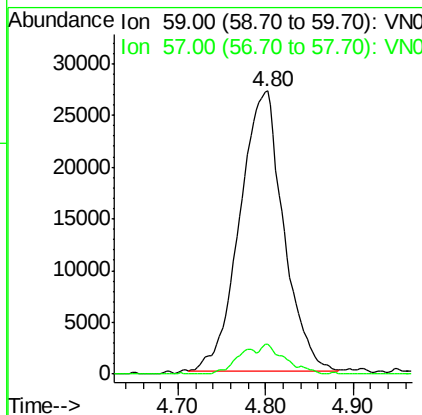
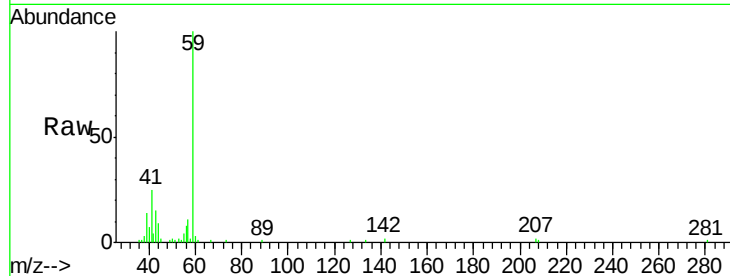
Tert butyl alcohol
 Concen: 89.12 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	93460		
57	57	5.9		9.0	13.6#

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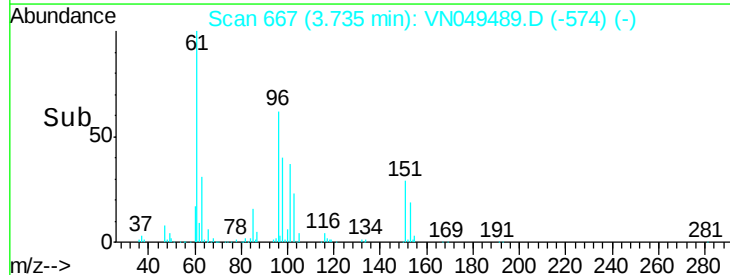
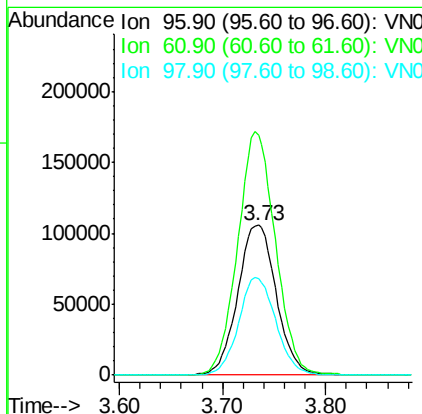
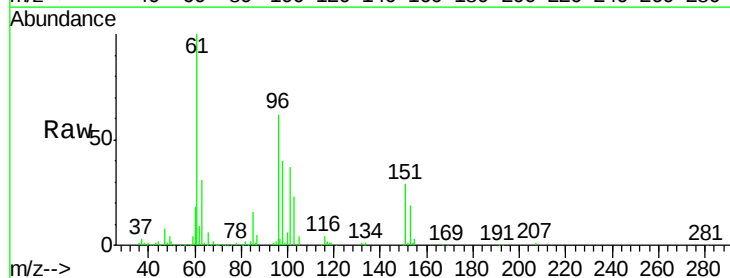
MMDadoda
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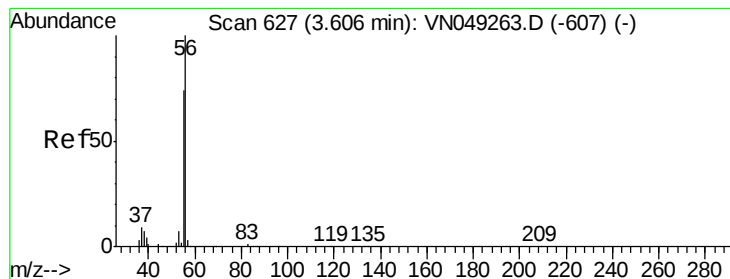


#12

1,1-Dichloroethene
 Concen: 17.66 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	272696		
61	61	160.9		141.0	211.4
98	98	64.2		50.4	75.6





#13

Acrolein

Concen: 84.29 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion: 56 Resp: 92699

Ion Ratio Lower Upper

56 100

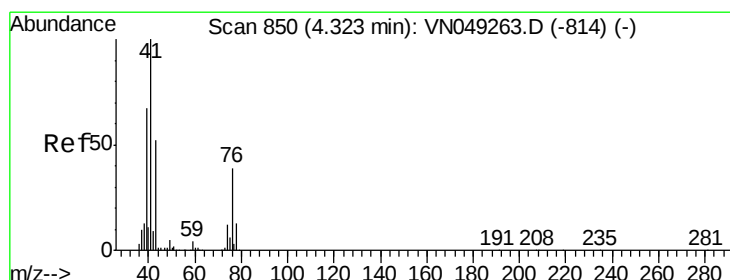
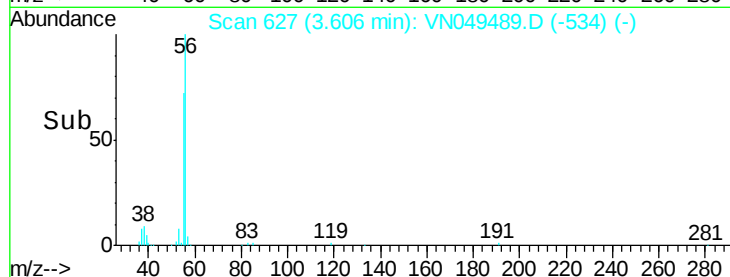
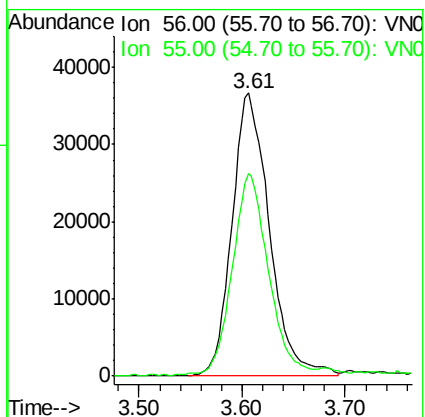
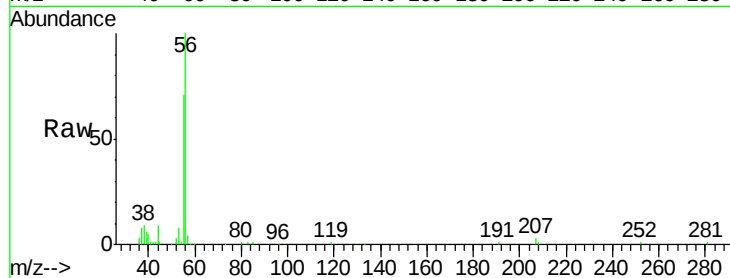
55 69.6 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 18.01 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

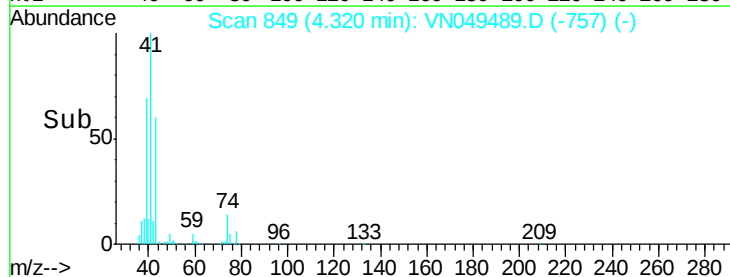
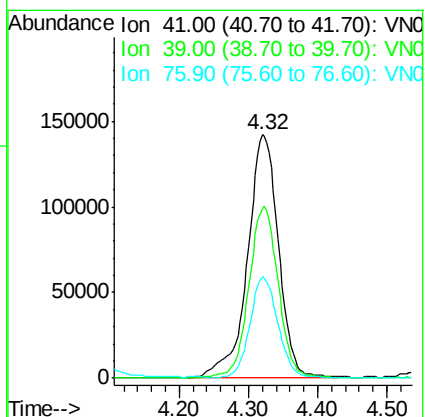
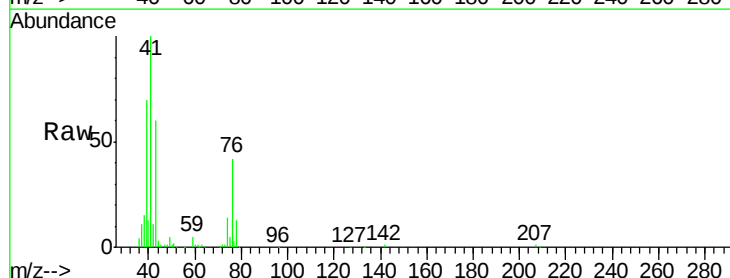
Tgt Ion: 41 Resp: 439166

Ion Ratio Lower Upper

41 100

39 67.5 62.5 93.7

76 37.5 27.1 40.7





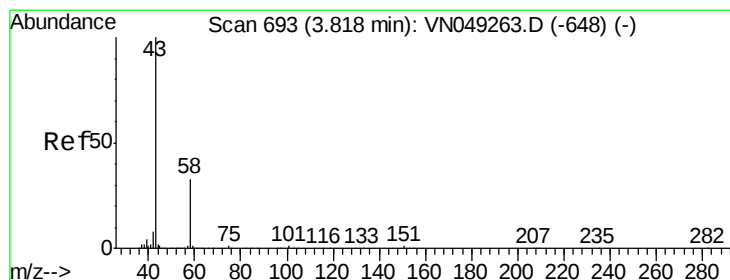
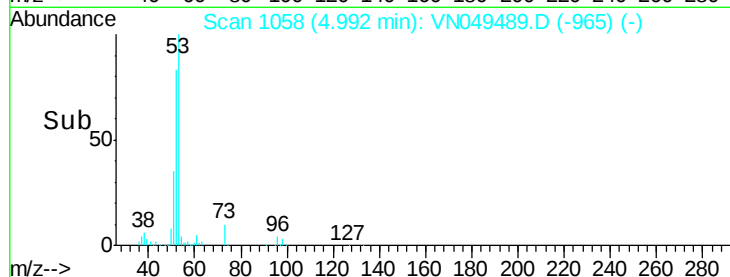
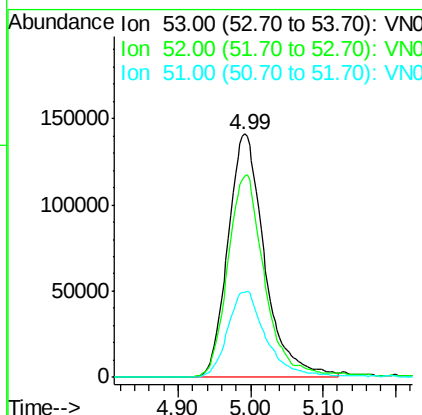
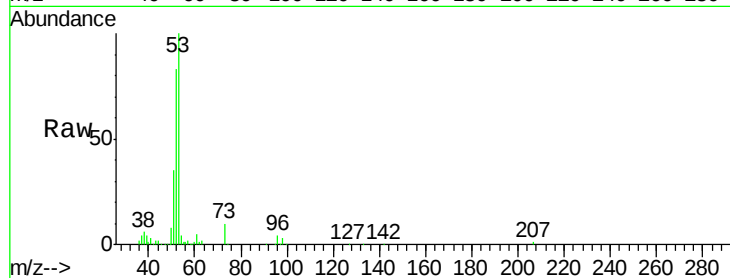
#15
 Acrylonitrile
 Concen: 94.77 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	82.5	66.6	100.0
51	51	37.2	29.8	44.8

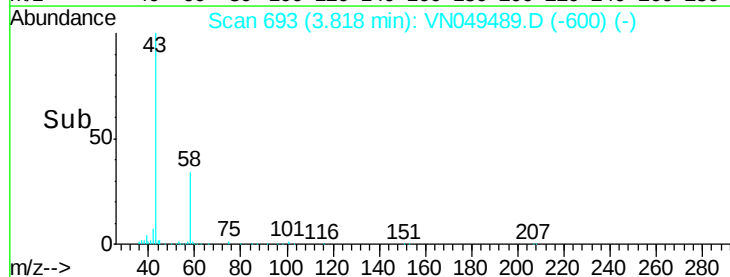
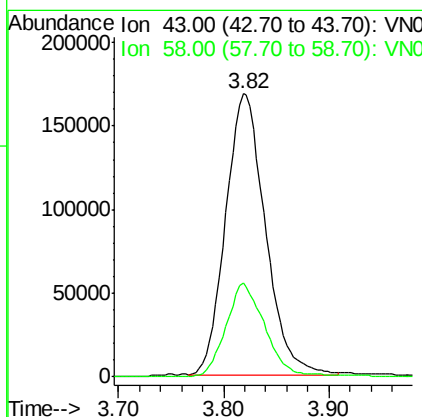
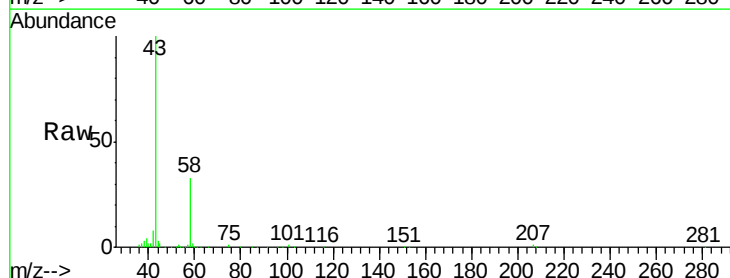
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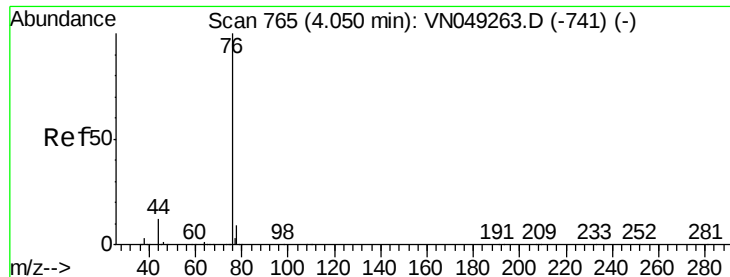
MMDadoda
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#16
 Acetone
 Concen: 100.80 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
58	58	33.4	22.4	33.6





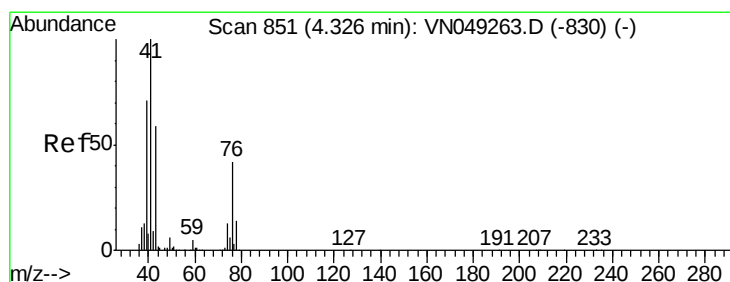
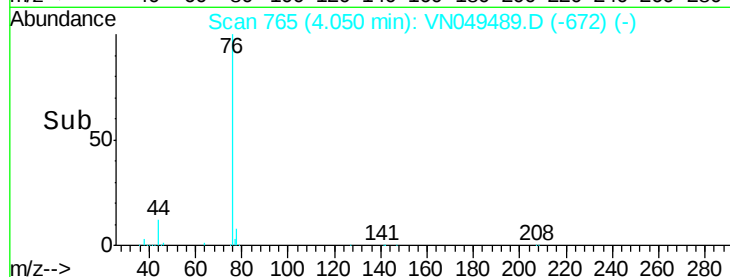
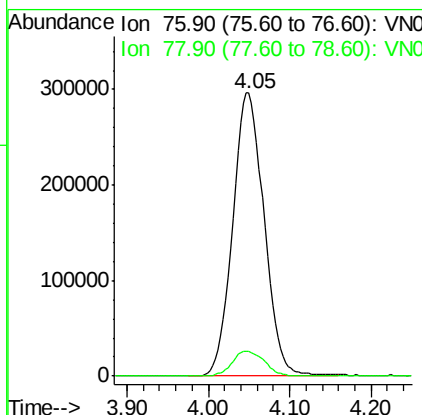
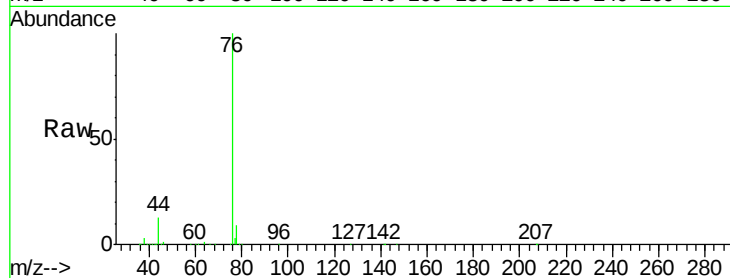
#17
Carbon Disulfide
Concen: 16.38 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

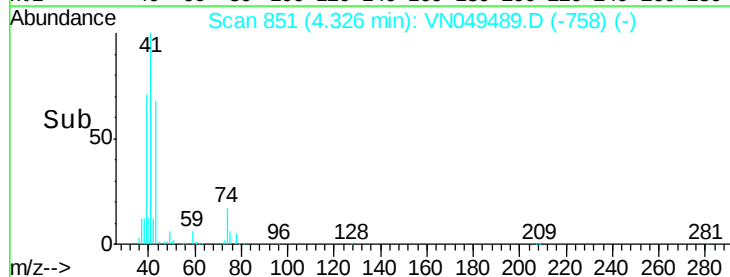
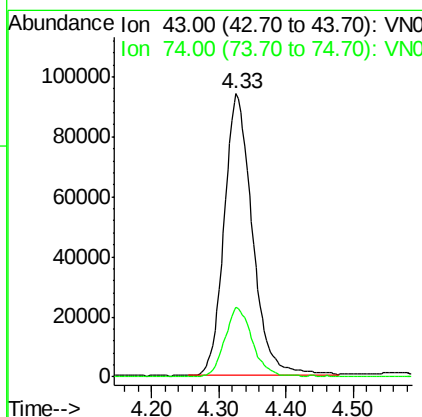
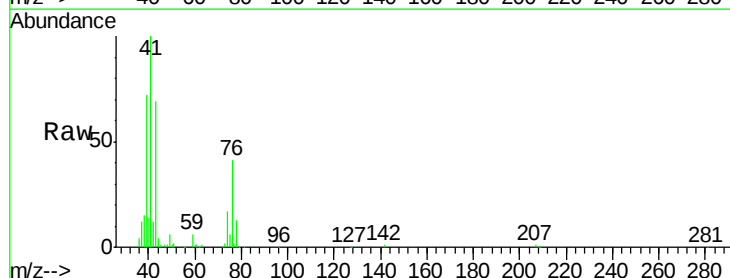
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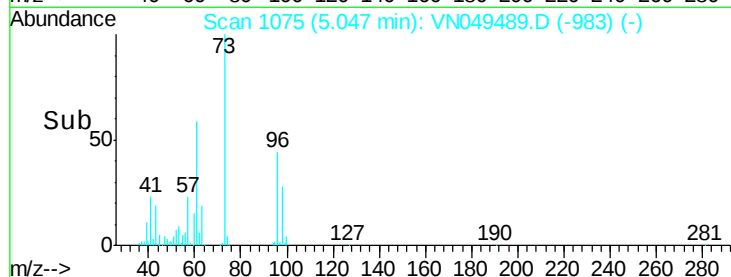
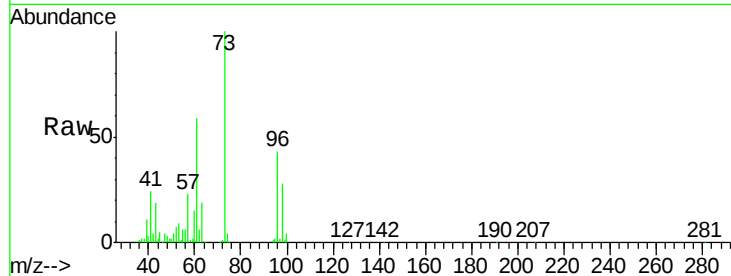
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#18
Methyl Acetate
Concen: 20.77 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	17.4	26.0





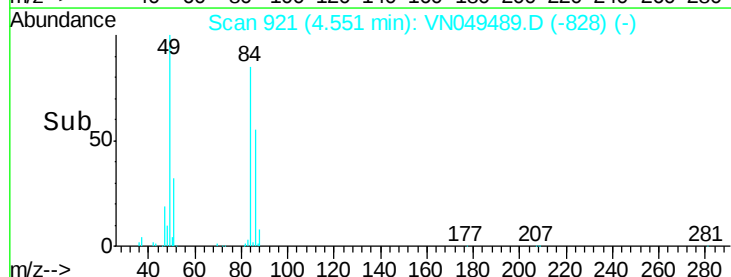
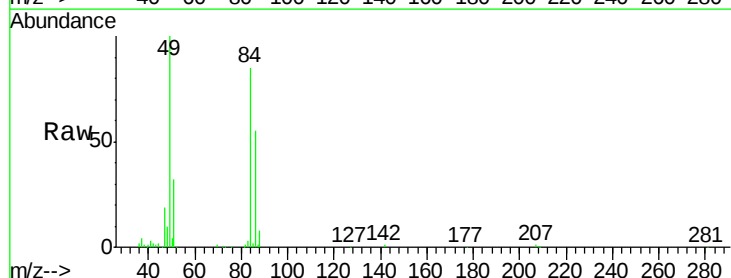
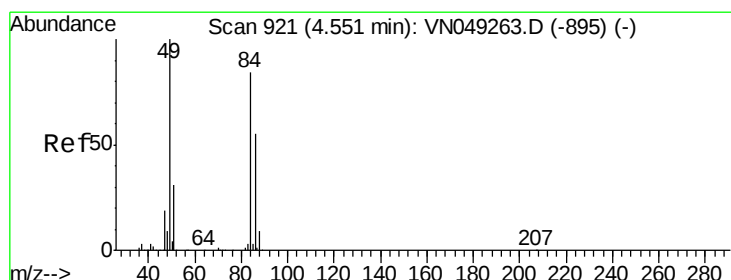
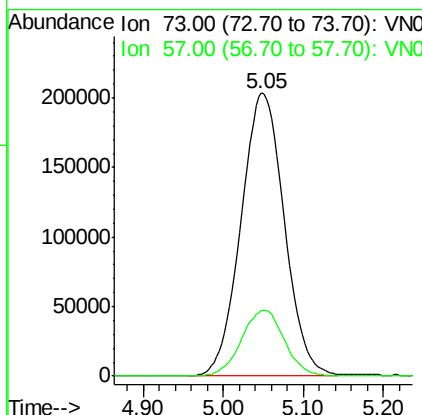
#19
Methvl tert-butvl Ether
Concen: 19.06 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tot Ion: 73 Resp: 750545
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

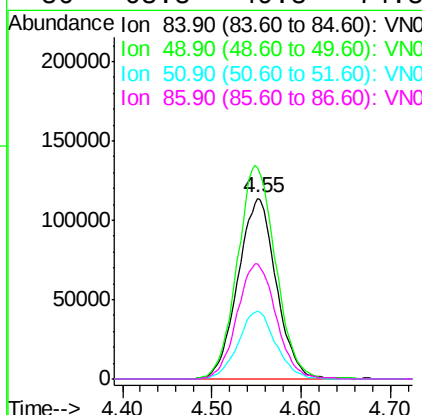
Manual Integrations
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#20
Methylene Chloride
Concen: 18.71 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 84 Resp: 339049
Ion Ratio Lower Upper
84 100
49 117.1 106.9 160.3
51 37.2 32.7 49.1
86 63.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.15 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

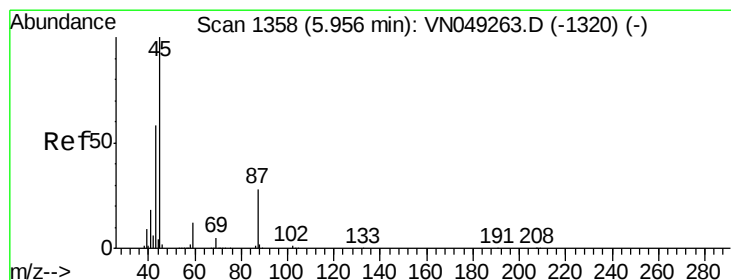
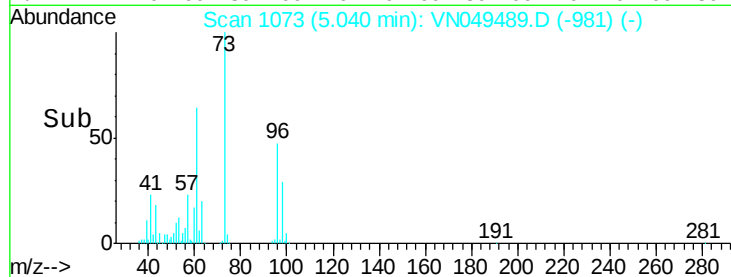
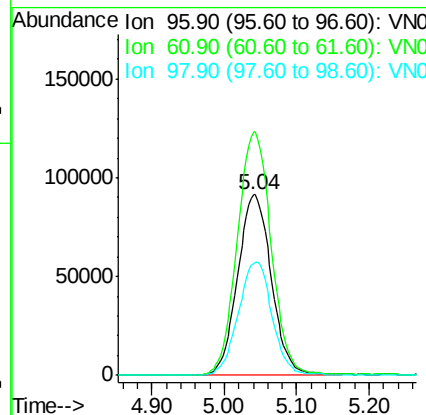
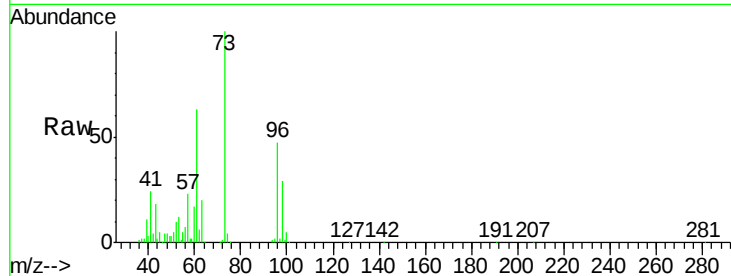
ClientSampleId :

VN0622WBSD01

Tot Ion:	96	Resp:	296842
Ion	Ratio	Lower	Upper
96	100		
61	134.5	121.3	181.9
98	62.1	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.61 ug/l

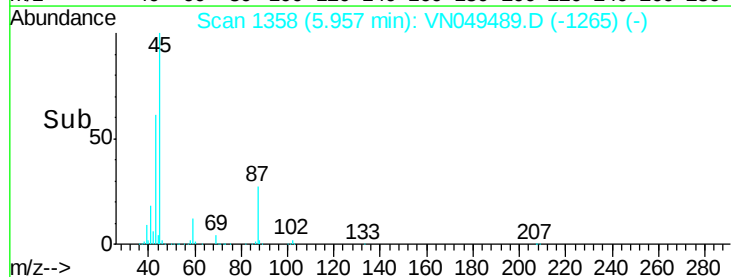
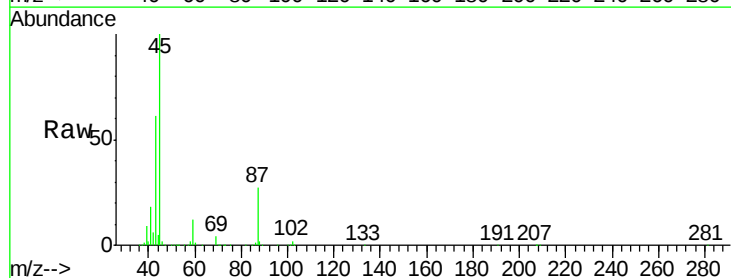
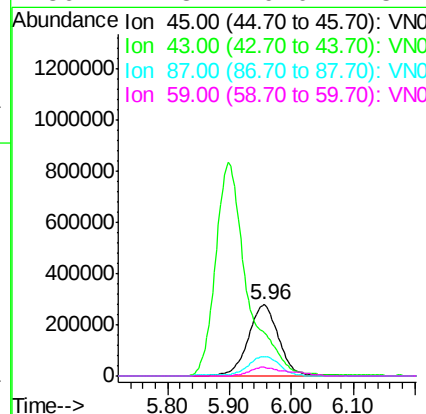
RT: 5.96 min Scan# 1358

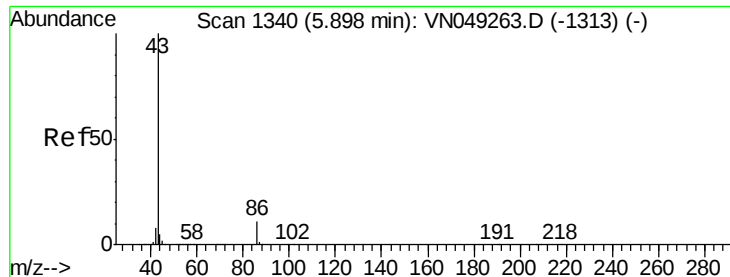
Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	45	Resp:	954926
Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.6	72.8
87	27.1	20.2	30.2
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 92.57 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion: 43 Resp: 2939152

Ion Ratio Lower Upper

43 100

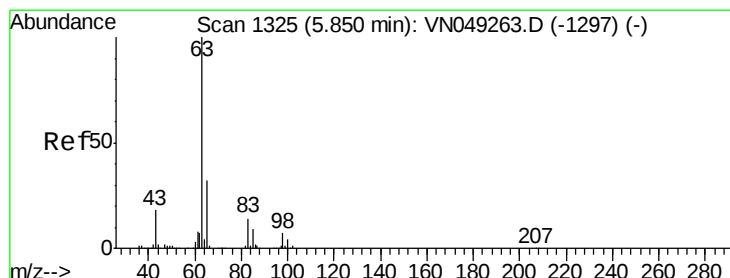
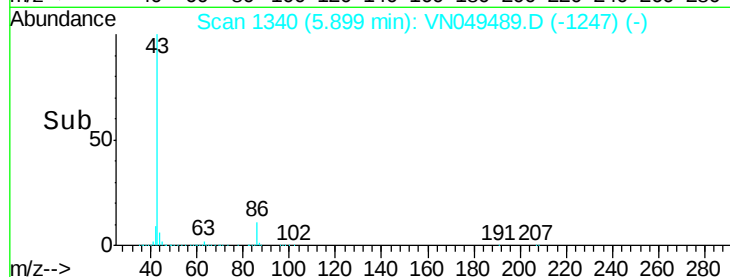
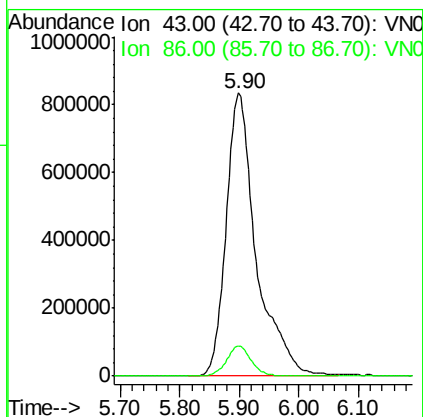
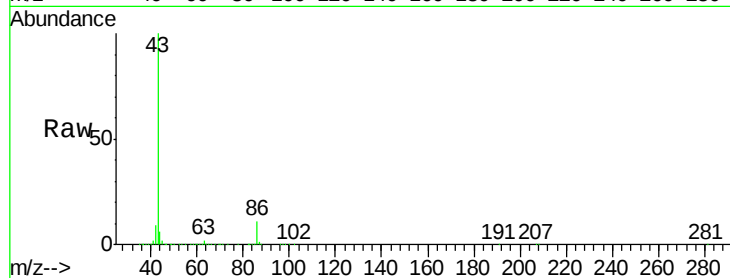
86 10.6 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.57 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

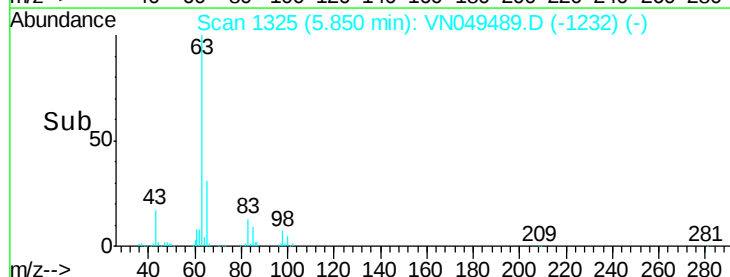
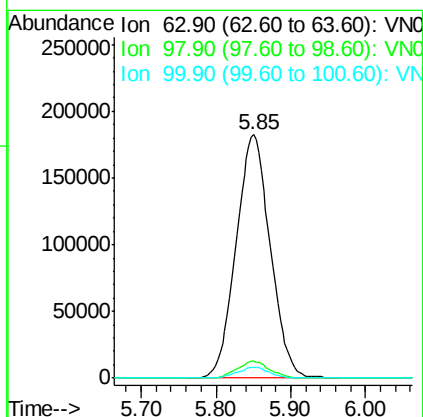
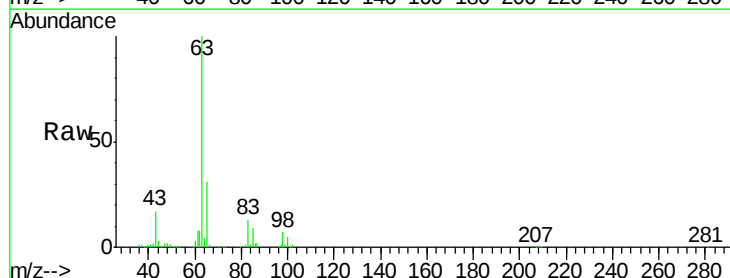
Tgt Ion: 63 Resp: 578832

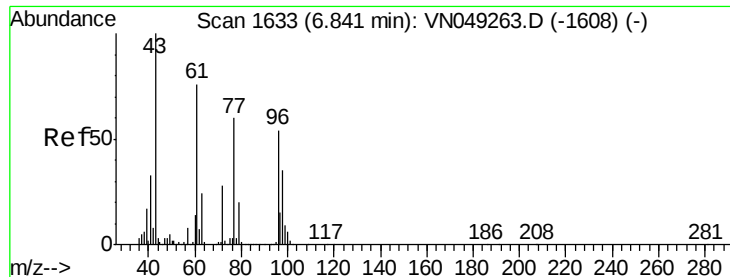
Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 97.06 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion: 43 Resp: 565357

Ion Ratio Lower Upper

43 100

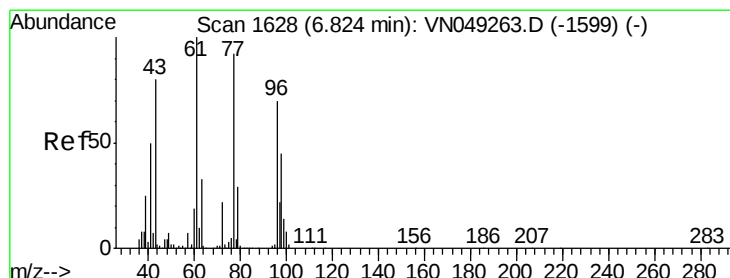
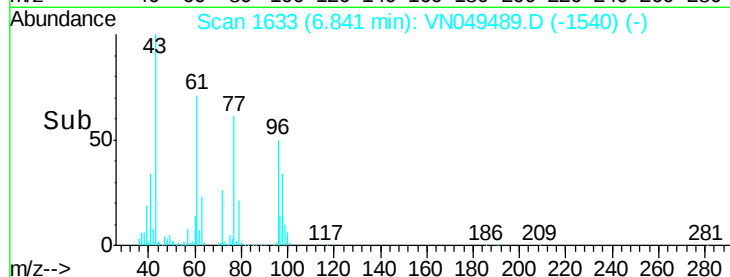
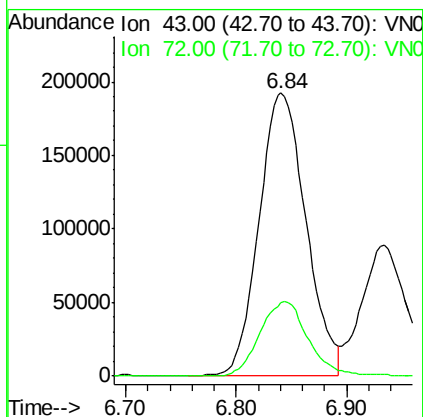
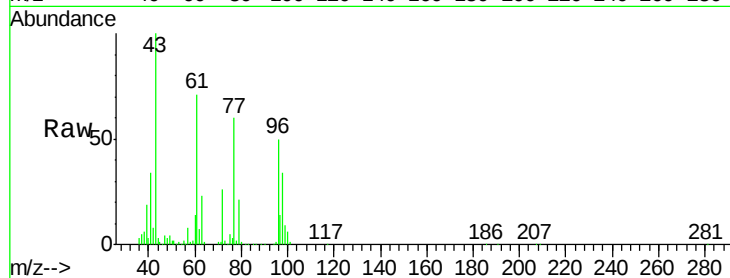
72 25.8 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.86 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049489.D

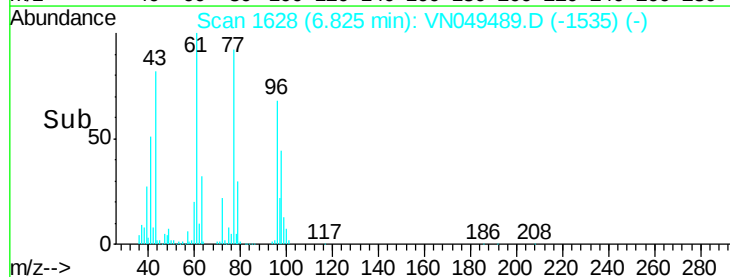
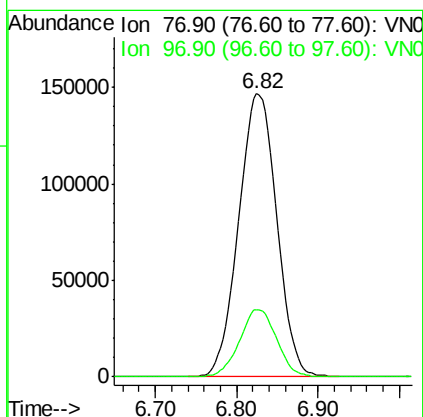
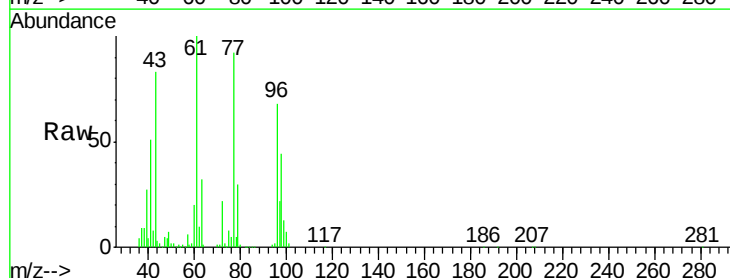
Acq: 22 Jun 2018 14:15

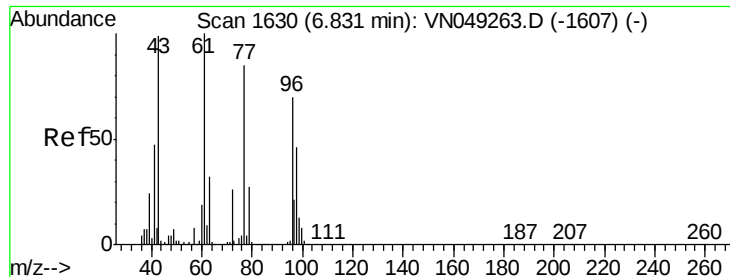
Tgt Ion: 77 Resp: 474869

Ion Ratio Lower Upper

77 100

97 23.3 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 18.02 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

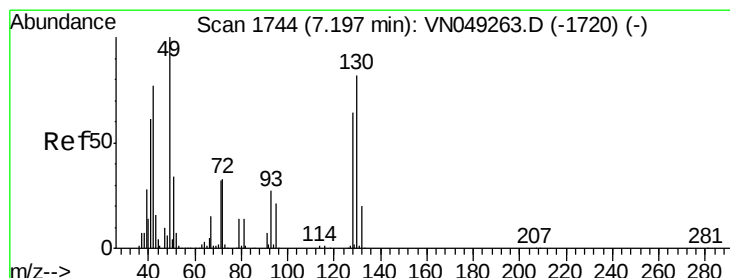
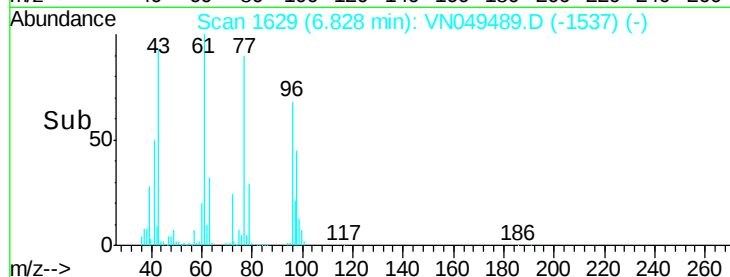
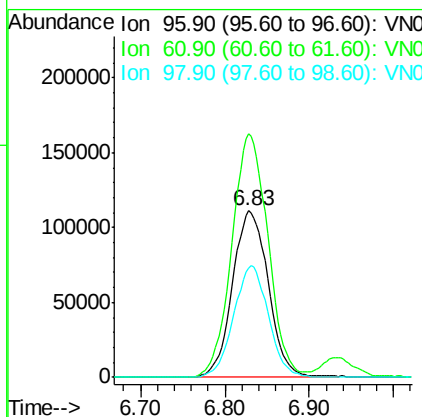
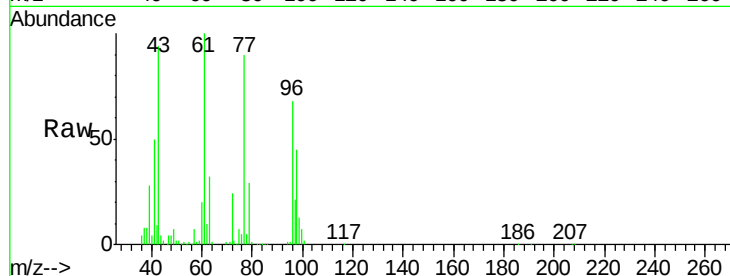
ClientSampleId :

VN0622WBSD01

Tot Ion:	96	Resp:	327533
Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	316.4
98	65.4	0.0	128.4

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#28

Bromochloromethane

Concen: 18.88 ug/l

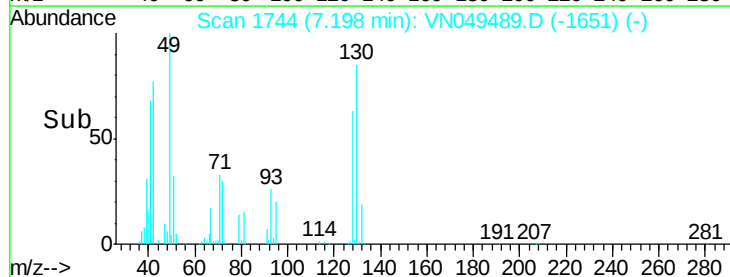
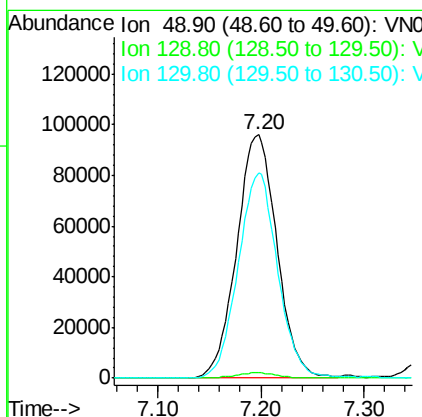
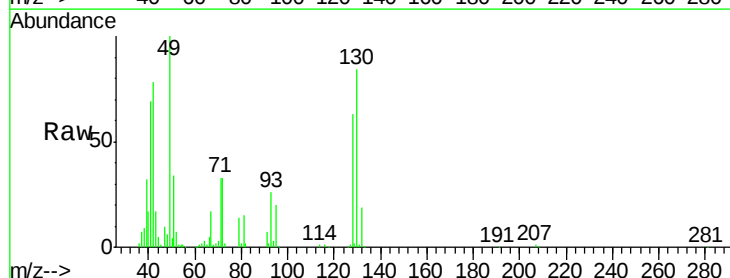
RT: 7.20 min Scan# 1744

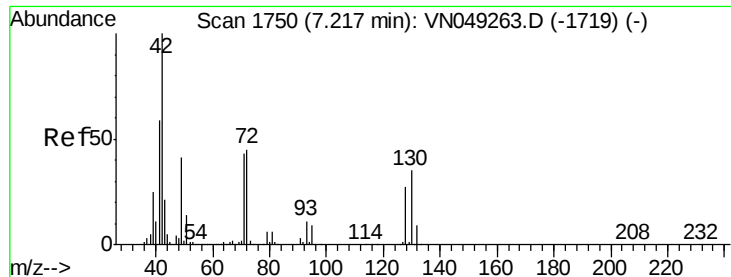
Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	49	Resp:	260912
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	82.6	54.9	82.3#





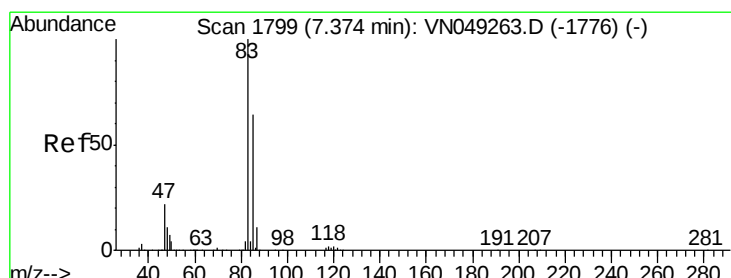
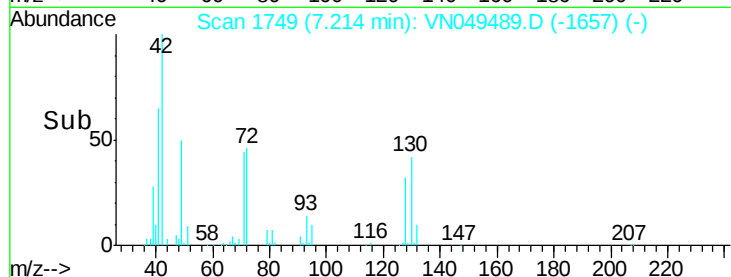
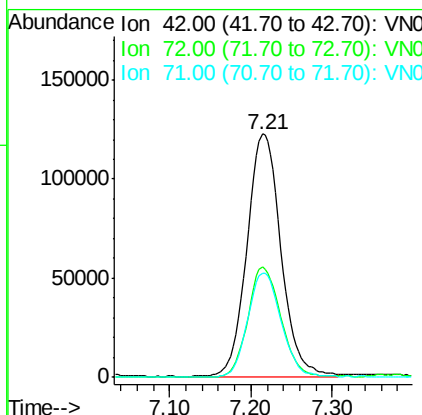
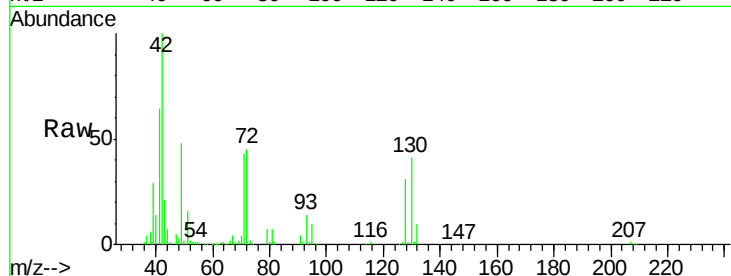
#29
Tetrahydrofuran
Concen: 94.46 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	32.2	48.4
71	42.2	30.5	45.7

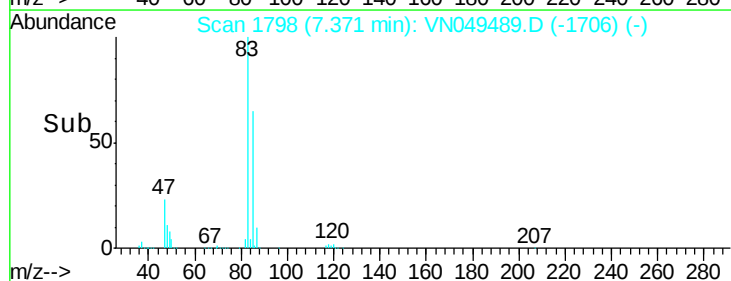
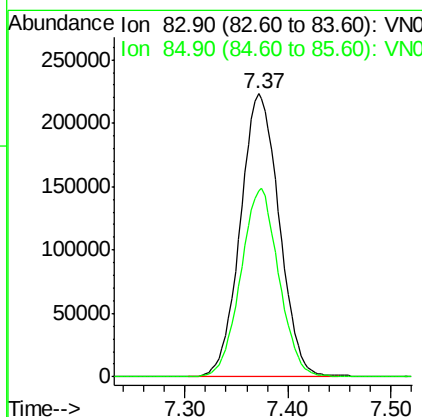
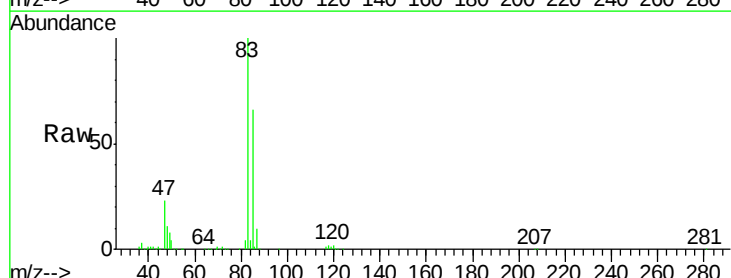
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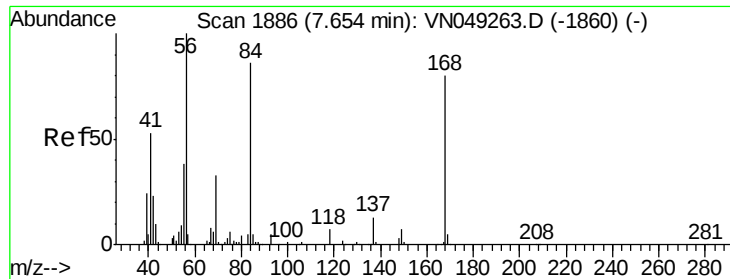
MMDadoda
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#30
Chloroform
Concen: 18.81 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.7	77.5





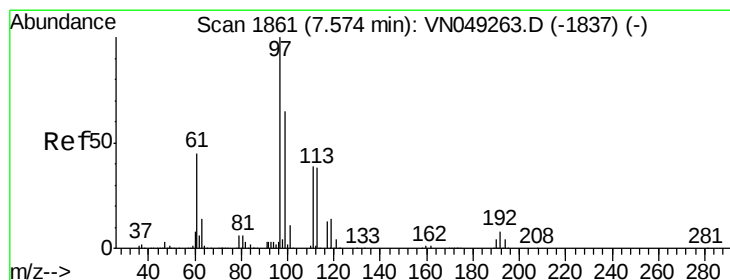
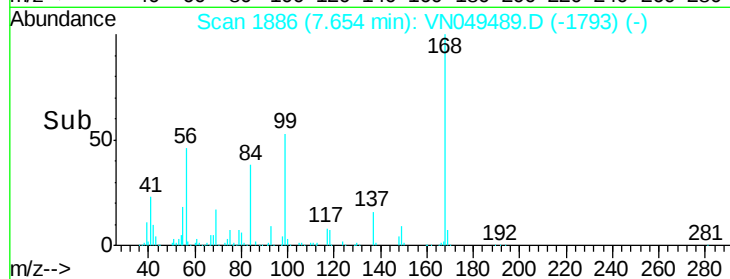
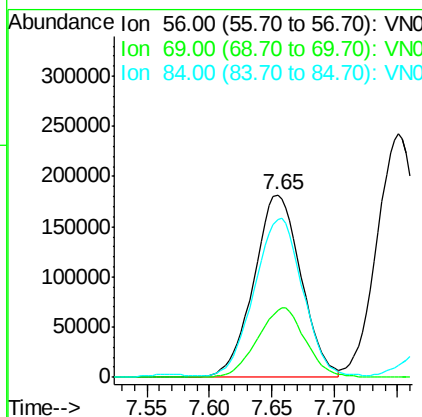
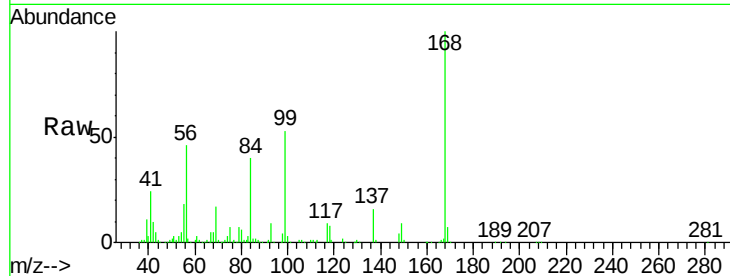
#31
Cyclohexane
Concen: 17.88 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	25.0	37.4
84	85.9	64.6	96.8

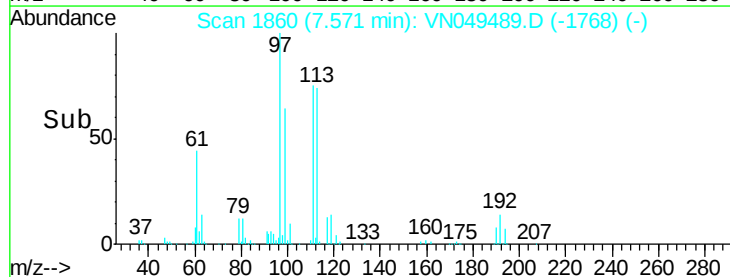
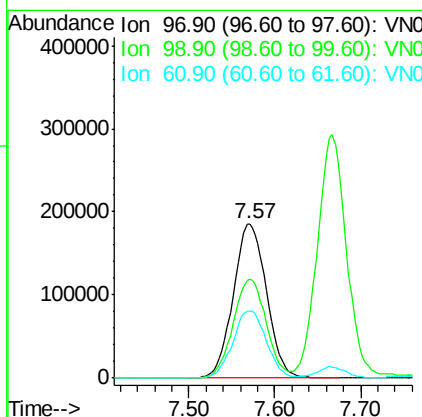
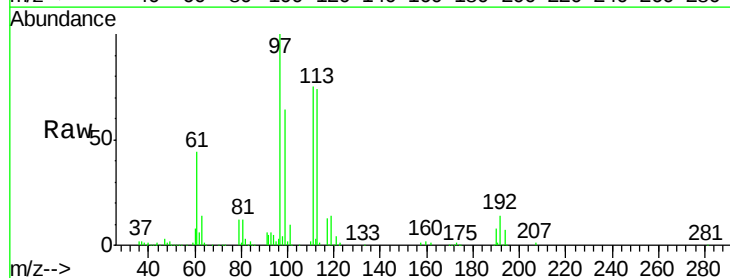
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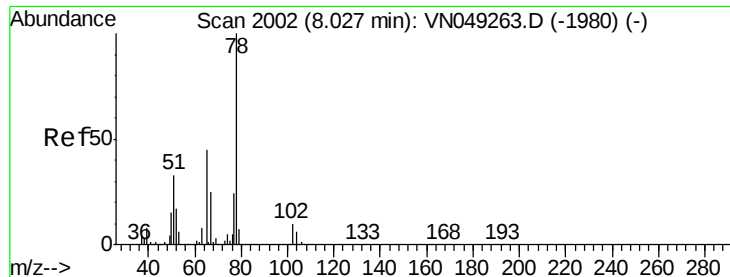
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.84 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.5	75.7
61	43.8	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 46.42 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion: 65 Resp: 829428

Ion Ratio Lower Upper

65 100

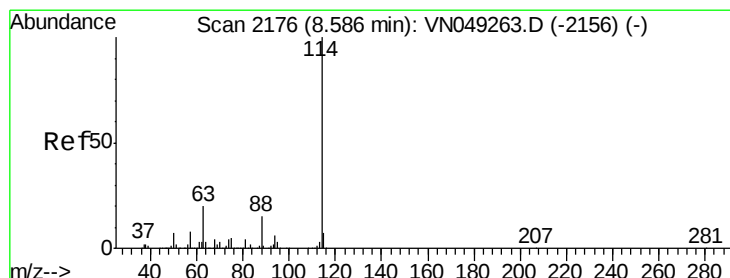
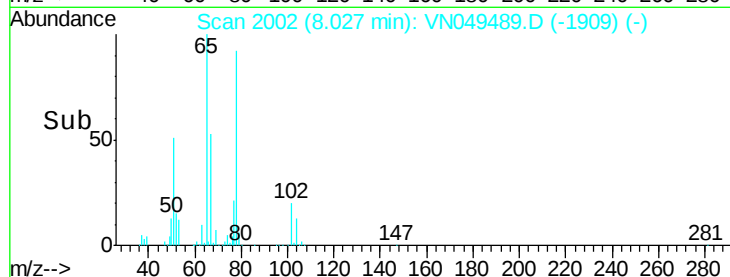
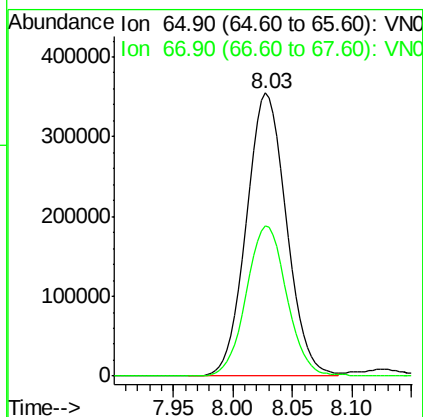
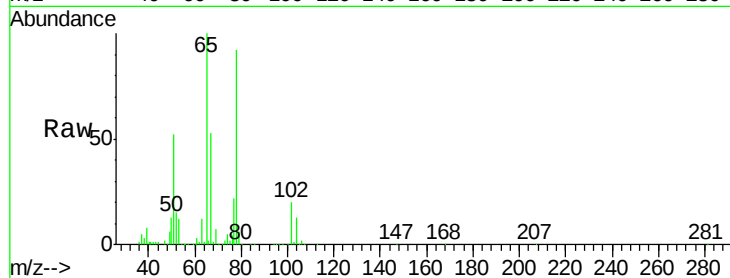
67 53.5 0.0 103.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

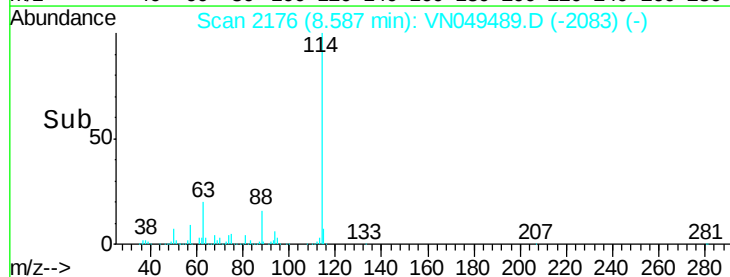
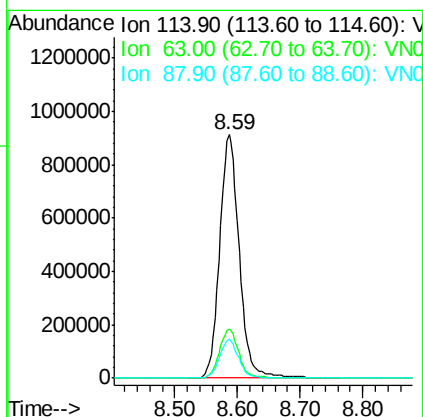
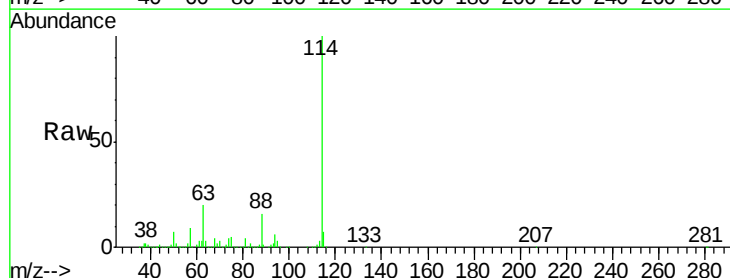
Tgt Ion: 114 Resp: 1977255

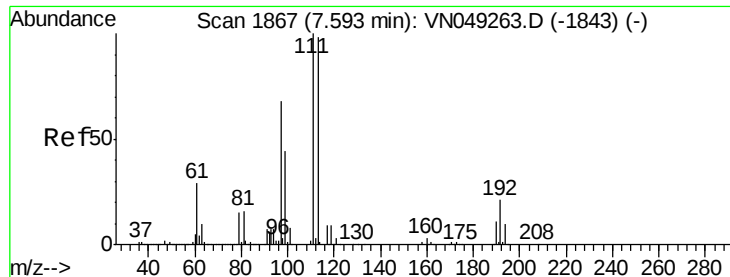
Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.4

88 15.7 0.0 31.4





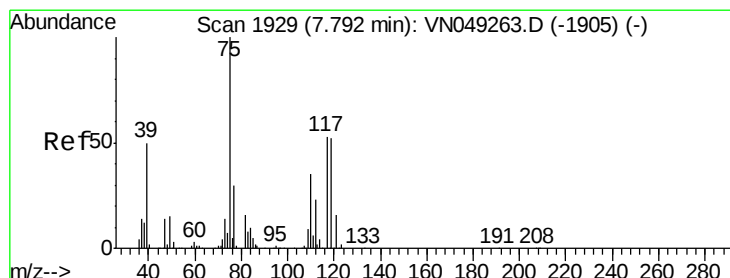
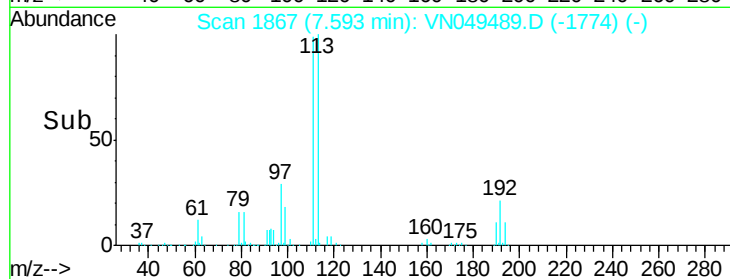
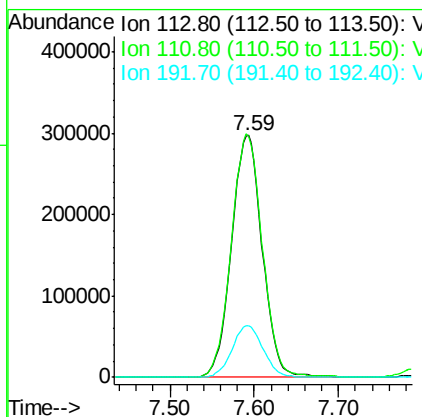
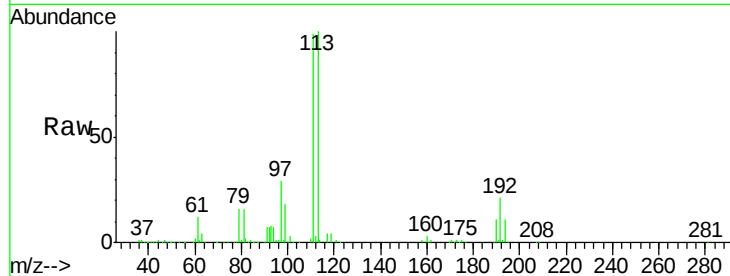
#35
 Dibromofluoromethane
 Concen: 47.12 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	753801		
111	101.7		82.4	123.6
192	21.6		15.0	22.6

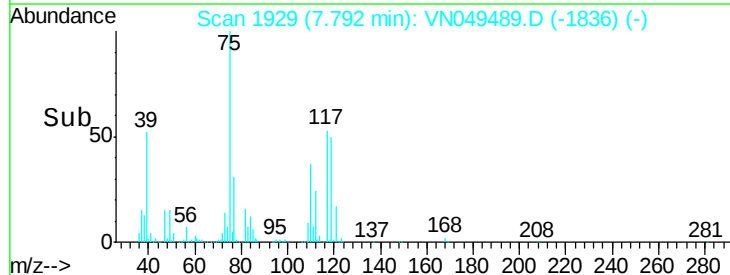
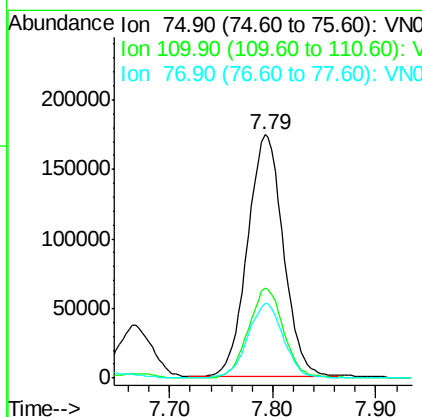
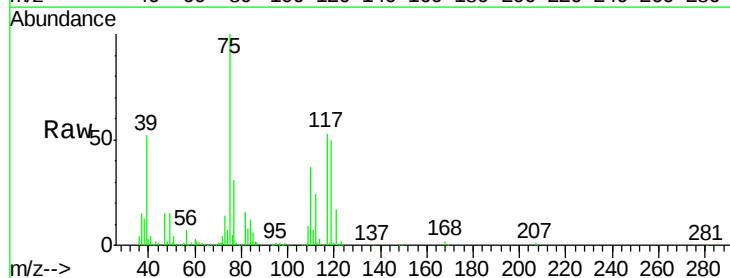
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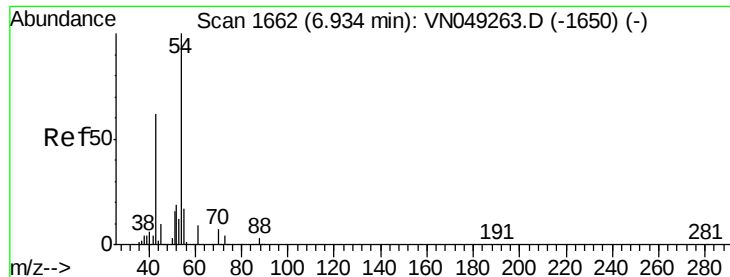
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#36
 1,1-Dichloropropene
 Concen: 18.52 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	419611		
110	36.5		17.0	50.9
77	30.8		24.4	36.6





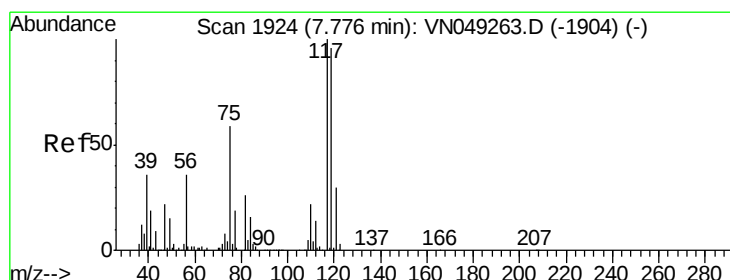
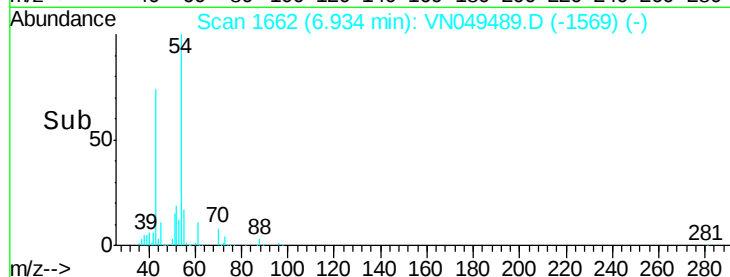
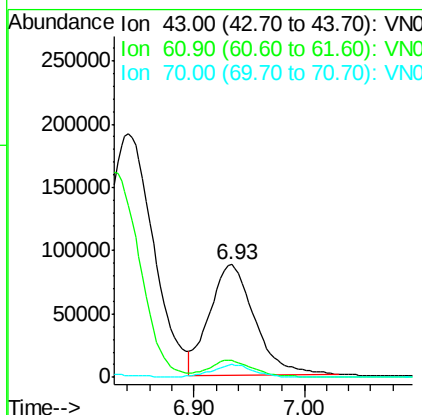
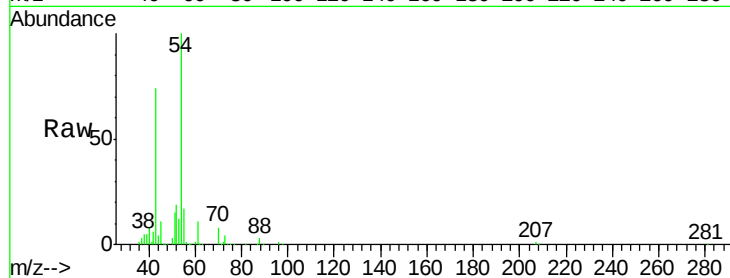
#37
Ethyl Acetate
Concen: 20.26 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	10.8	7.2	10.8

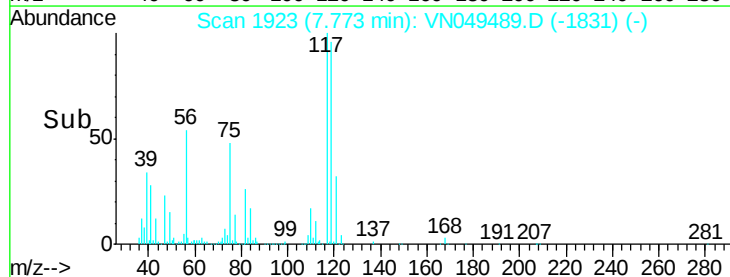
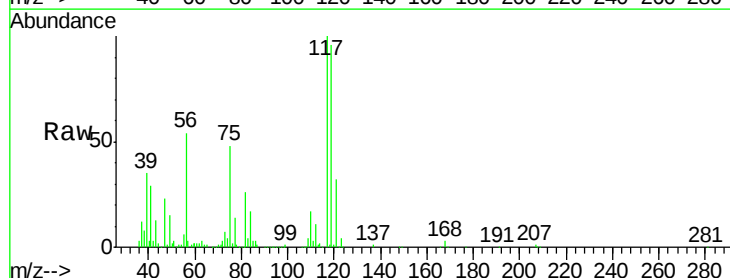
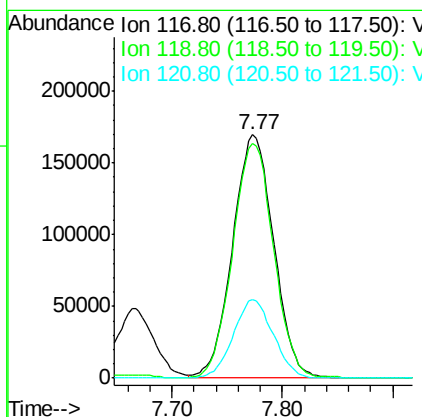
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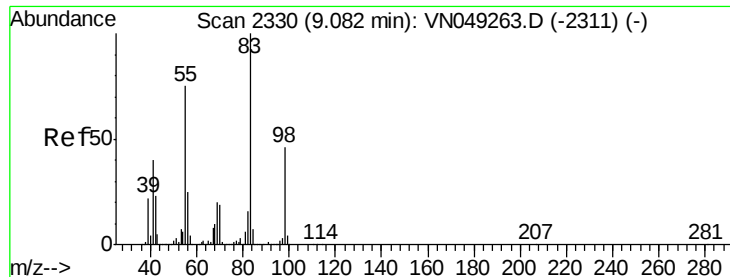
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#38
Carbon Tetrachloride
Concen: 18.57 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.6	113.4
121	32.4	24.7	37.1





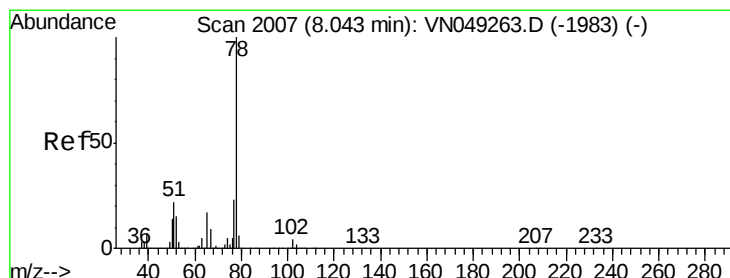
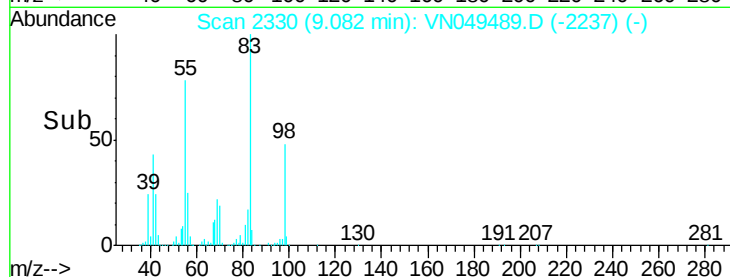
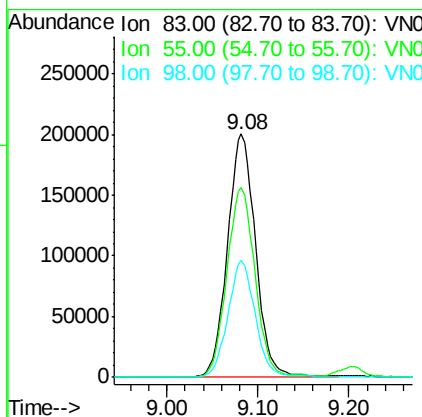
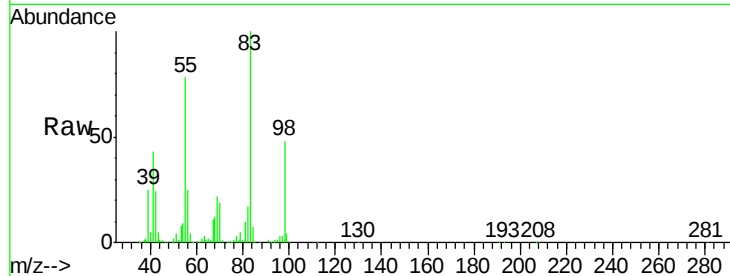
#39
Methvlcvclohexane
Concen: 17.67 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	65.1	97.7
98	47.9	36.5	54.7

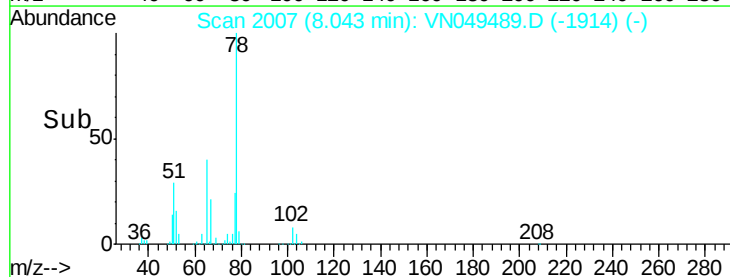
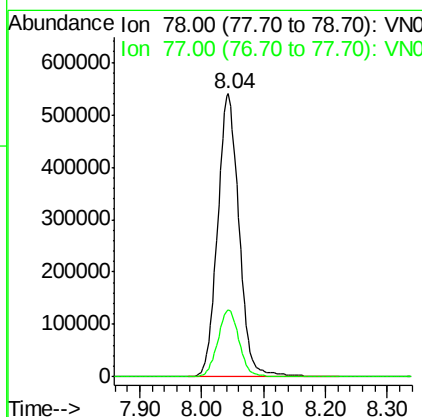
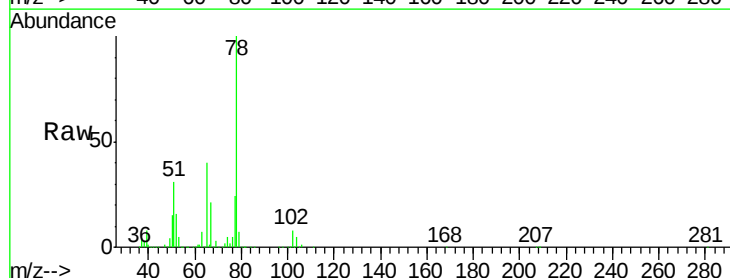
Manual Integrations
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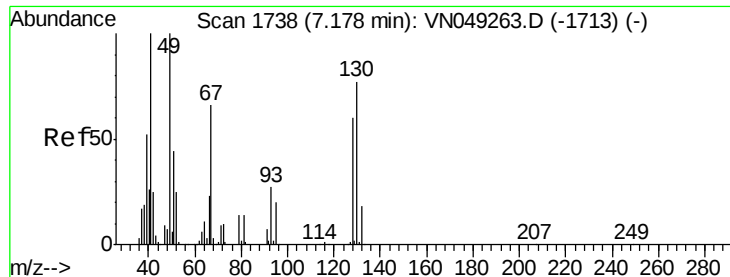
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#40
Benzene
Concen: 18.72 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





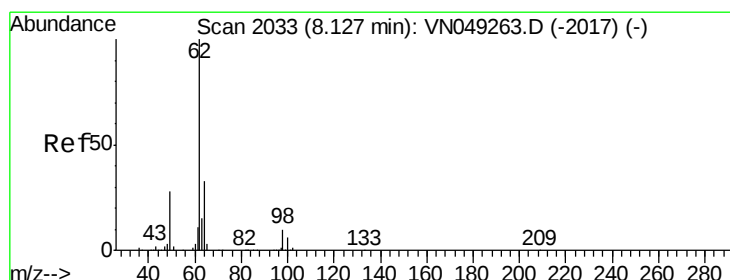
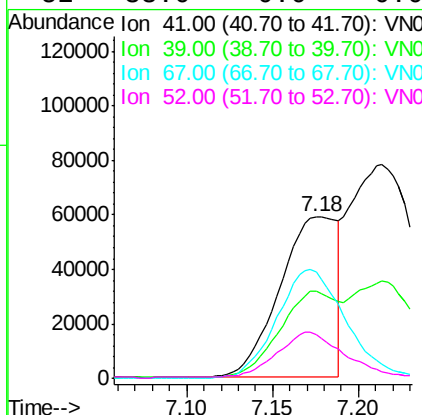
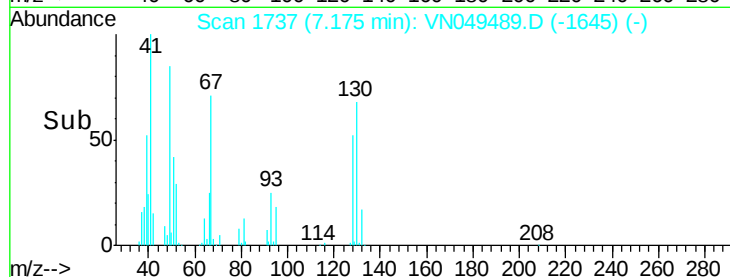
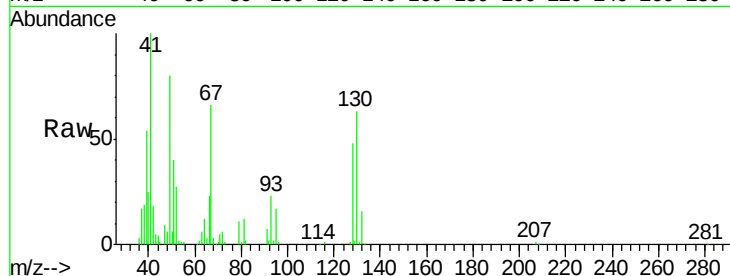
#41
Methacrylonitrile
Concen: 20.56 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

Tot Ion	41	Resp	136924
Ion	Ratio	Lower	Upper
41	100		
39	56.0	0.0	0.0#
67	82.5	0.0	0.0#
52	33.0	0.0	0.0#

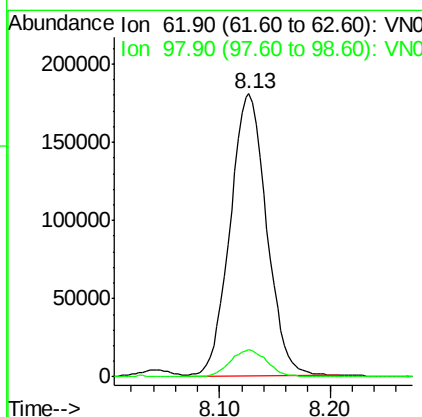
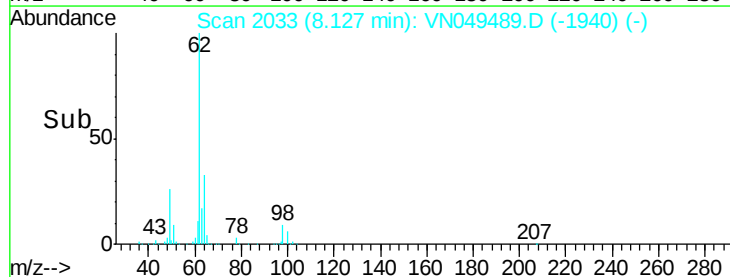
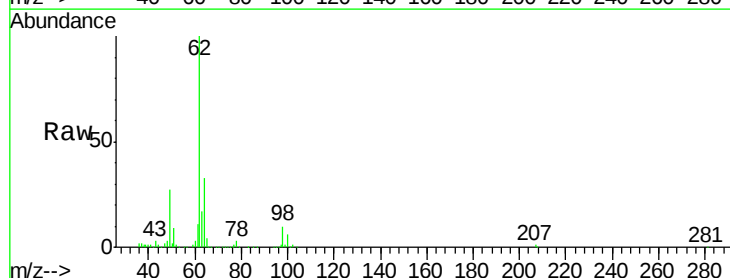
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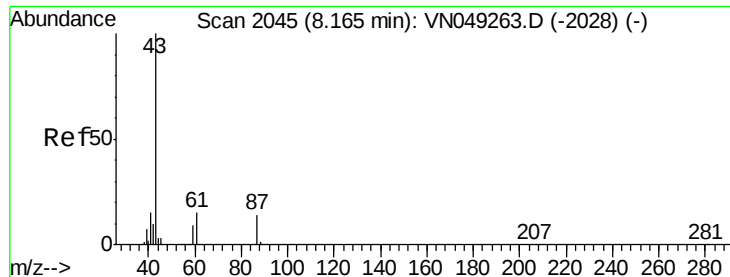
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.27 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion	62	Resp	413540
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.17 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

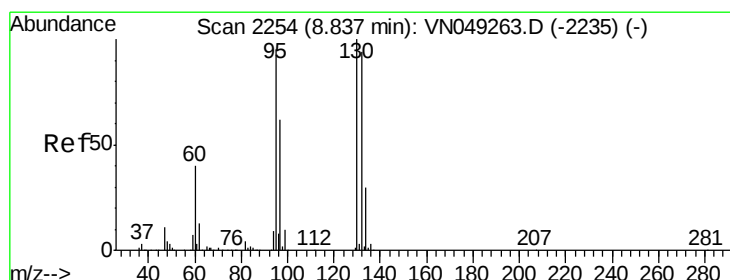
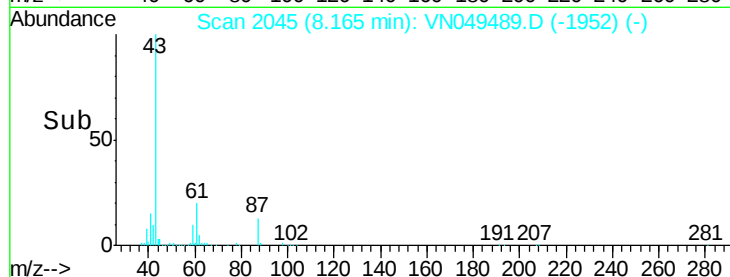
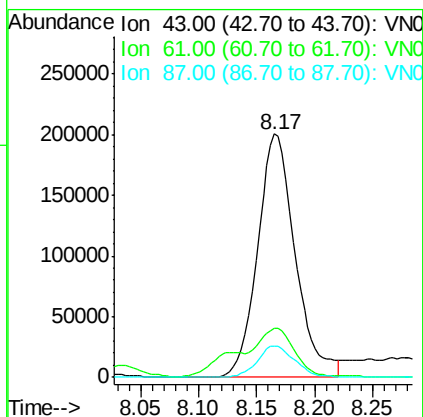
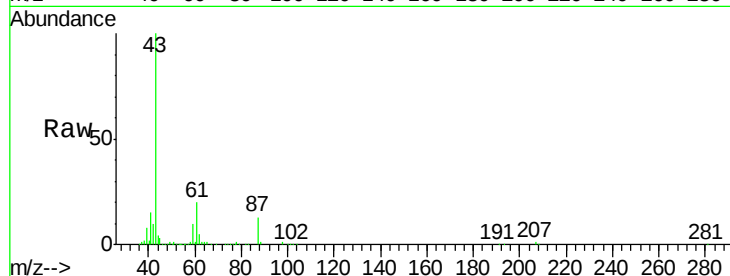
ClientSampleId :

VN0622WBSD01

Tot Ion:	43	Resp:	451201
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.2	21.4
87	12.9	9.4	14.0

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#44

Trichloroethene

Concen: 19.22 ug/l

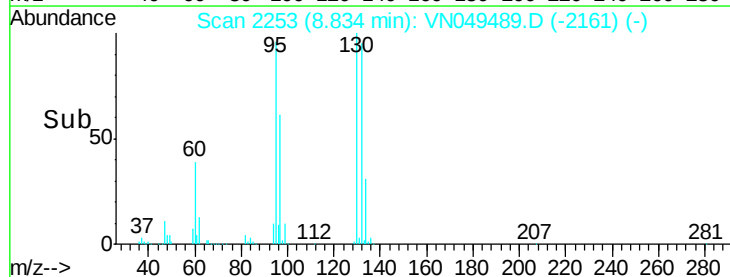
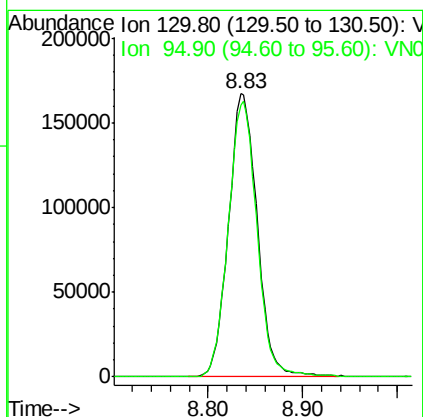
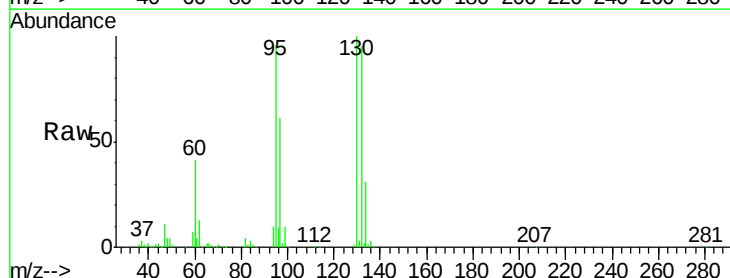
RT: 8.83 min Scan# 2253

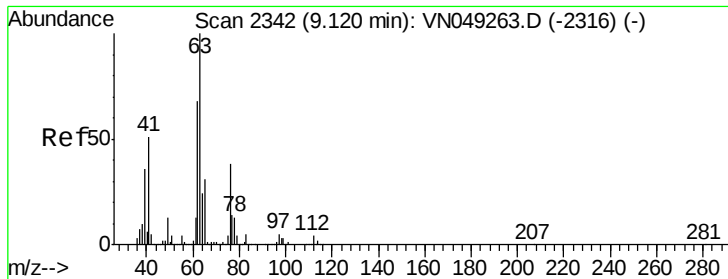
Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	130	Resp:	352711
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	208.6





#45

1,2-Dichloropropane

Concen: 19.00 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion: 63 Resp: 345611

Ion Ratio Lower Upper

63 100

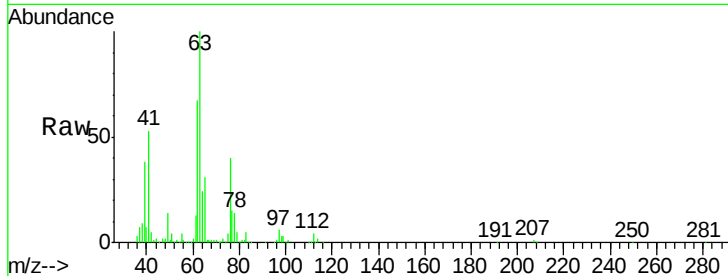
65 30.8 24.8 37.2

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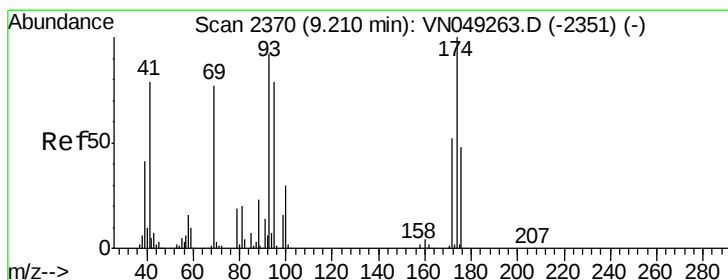
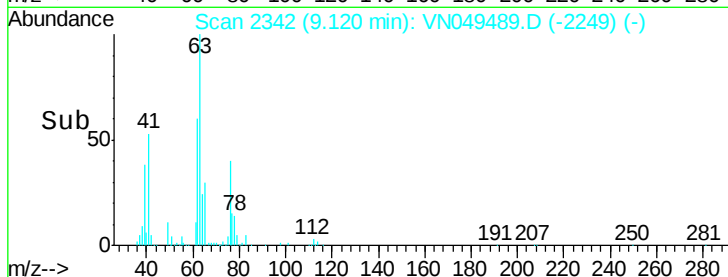
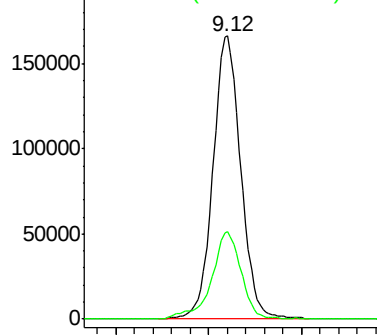
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.34 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

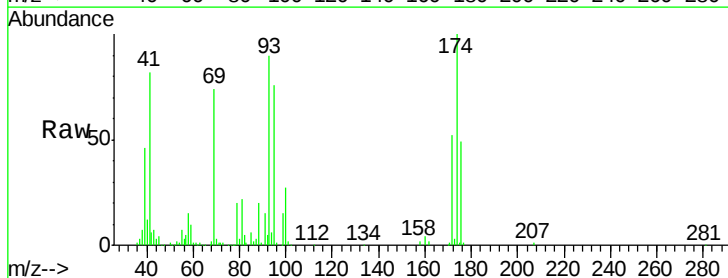
Tgt Ion: 93 Resp: 204028

Ion Ratio Lower Upper

93 100

95 83.1 67.2 100.8

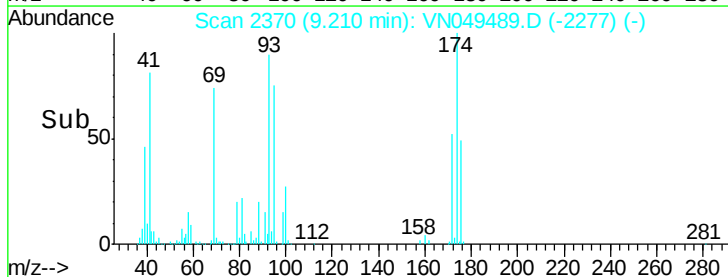
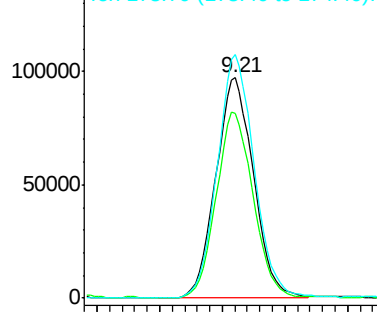
174 108.4 75.6 113.4

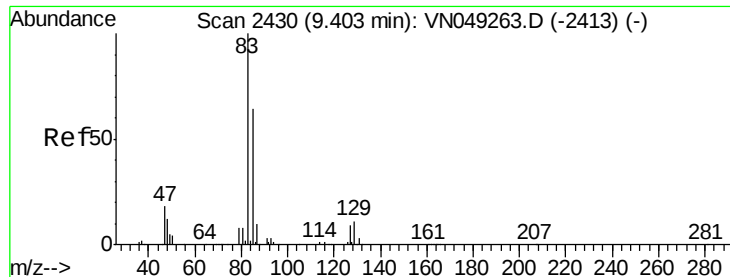


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.08 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

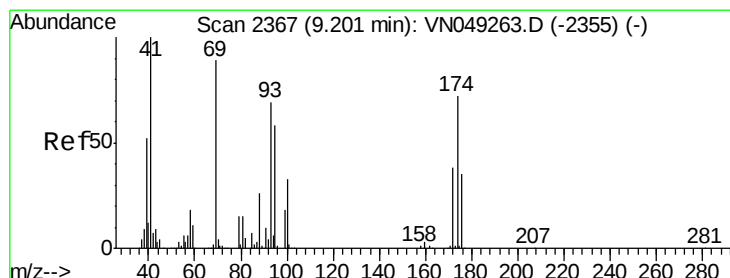
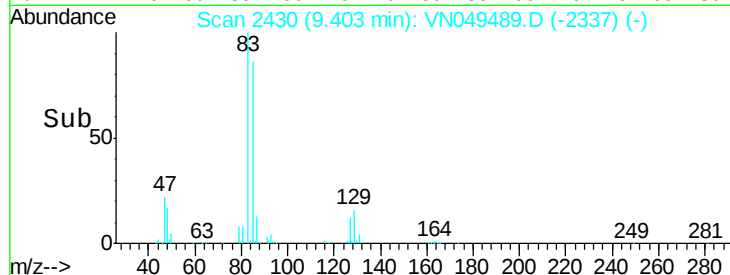
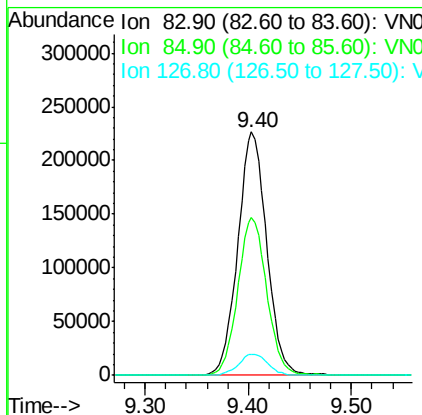
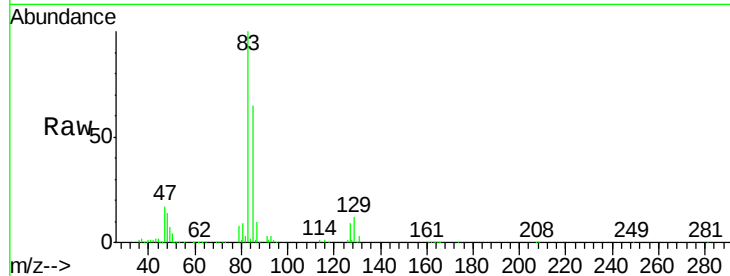
ClientSampleId :

VN0622WBSD01

Tot Ion:	83	Resp:	442197
Ion Ratio	Lower	Upper	
83	100		
85	64.8	49.4	74.0
127	8.8	6.3	9.5

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#48

Methyl methacrylate

Concen: 19.53 ug/l

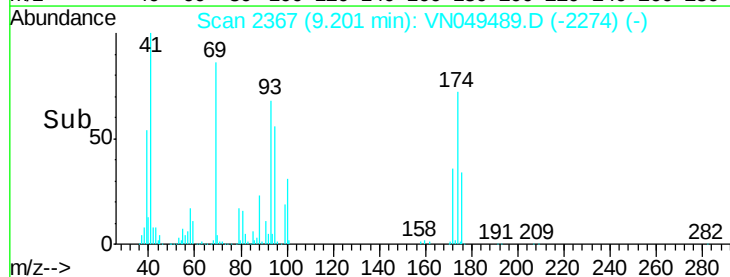
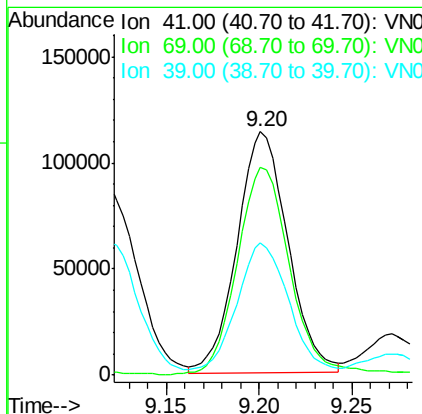
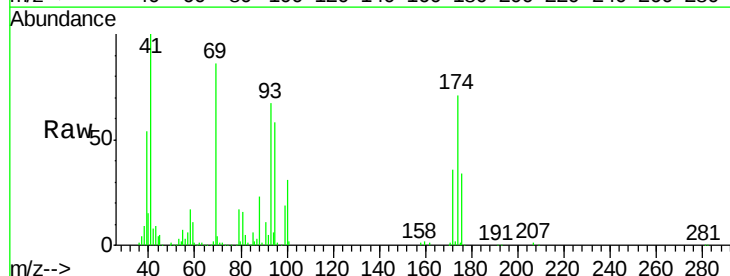
RT: 9.20 min Scan# 2367

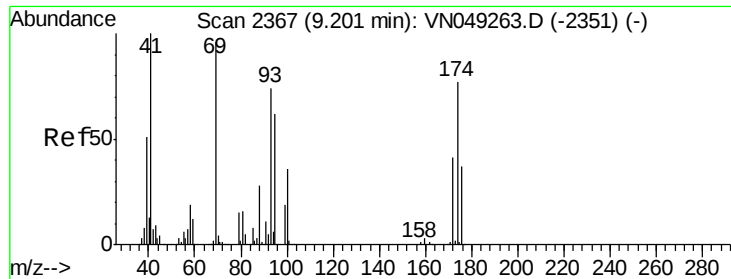
Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	41	Resp:	216535
Ion Ratio	Lower	Upper	
41	100		
69	88.8	62.0	93.0
39	56.2	50.6	75.8





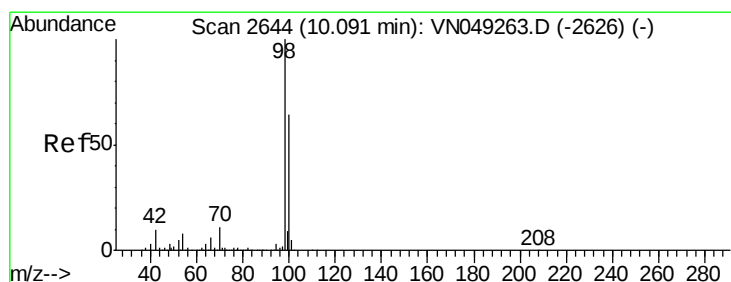
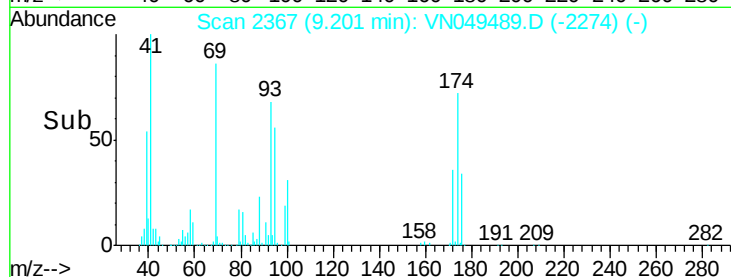
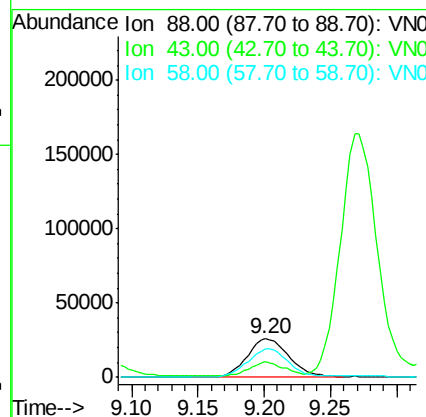
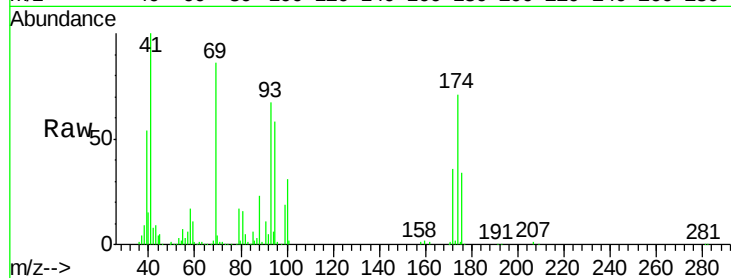
#49
1,4-Dioxane
Concen: 374.88 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	30.9	46.3
58	71.4	58.9	88.3

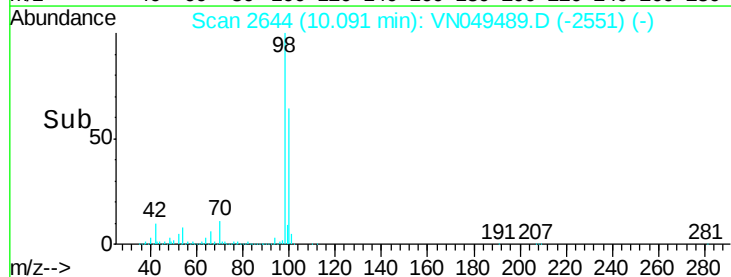
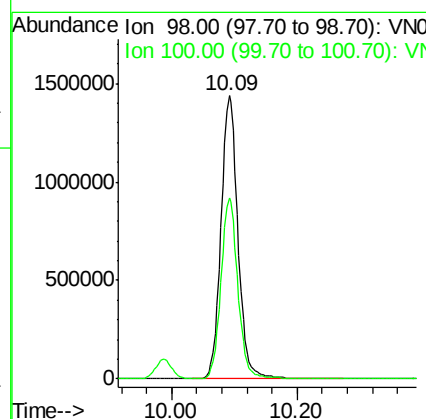
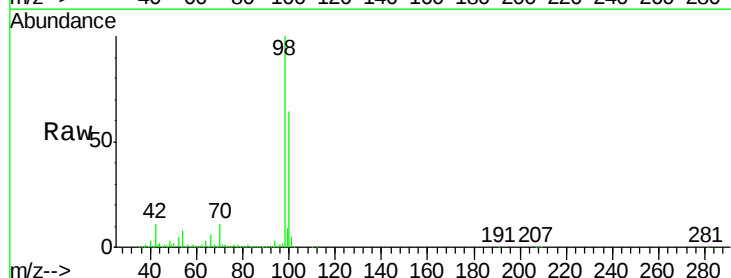
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#50
Toluene-d8
Concen: 44.29 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	49.8	74.8





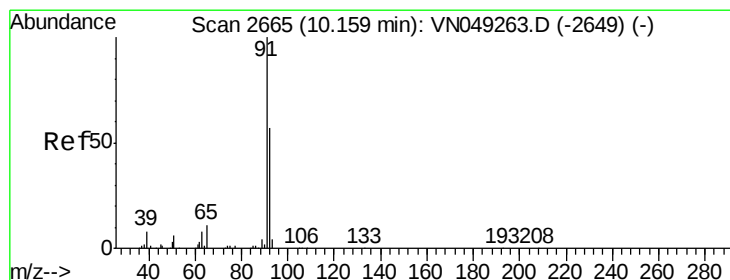
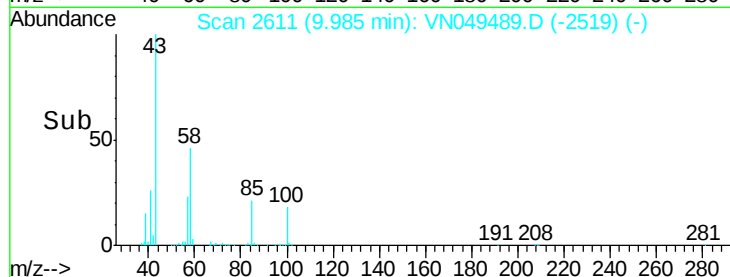
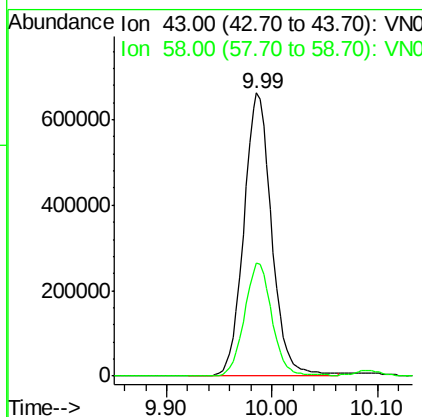
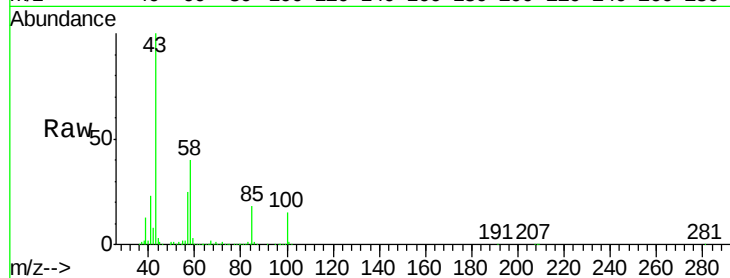
#51
4-Methyl-2-Pentanone
Concen: 98.14 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

Tot Ion: 43 Resp: 1210773
Ion Ratio Lower Upper
43 100
58 39.6 29.0 43.6

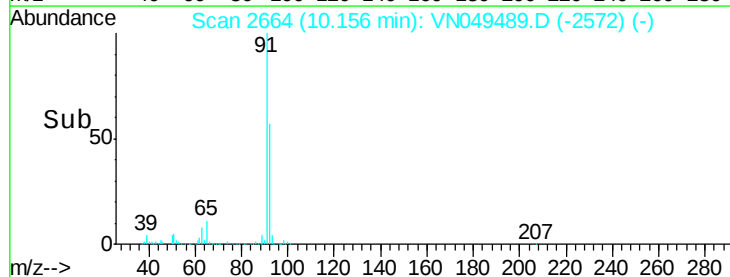
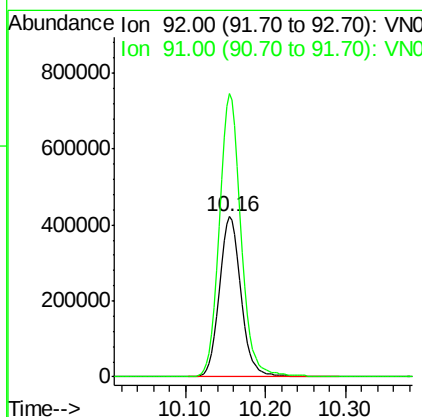
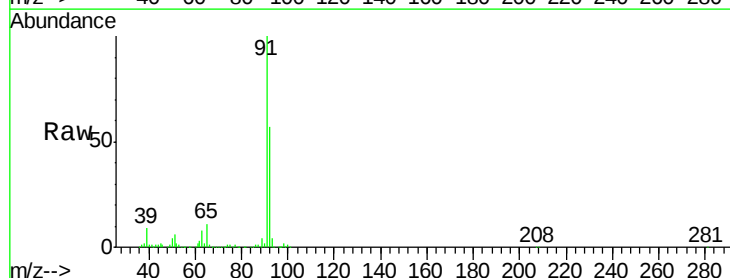
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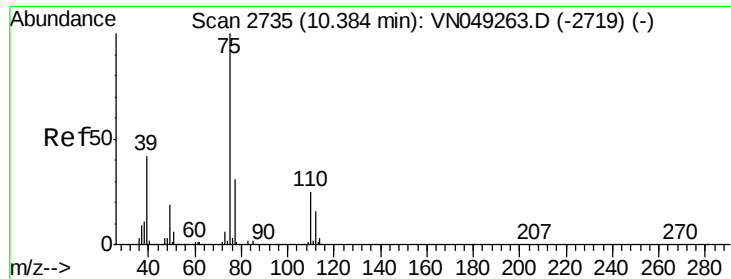
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#52
Toluene
Concen: 19.44 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 92 Resp: 792826
Ion Ratio Lower Upper
92 100
91 176.6 143.4 215.2





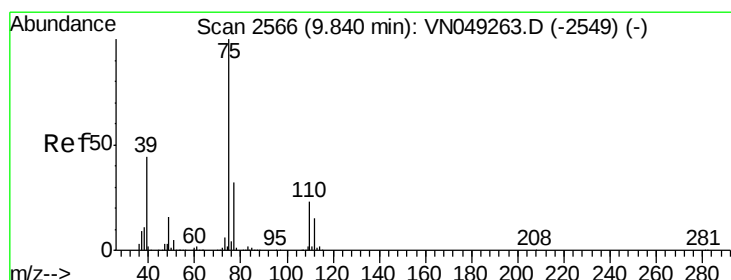
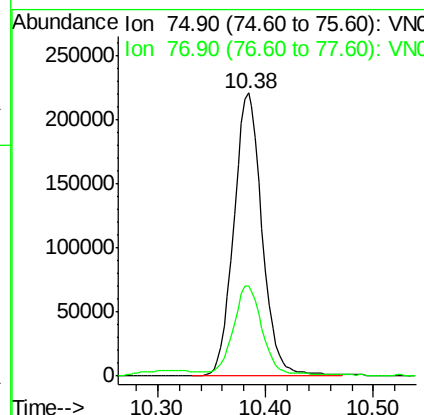
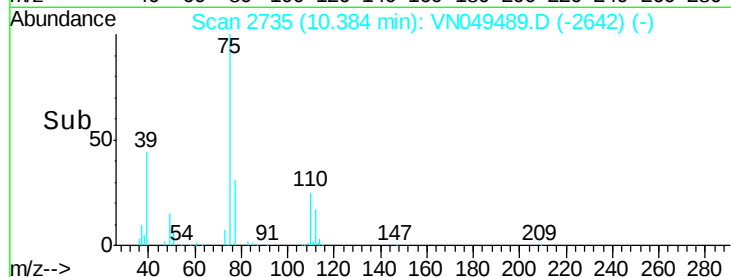
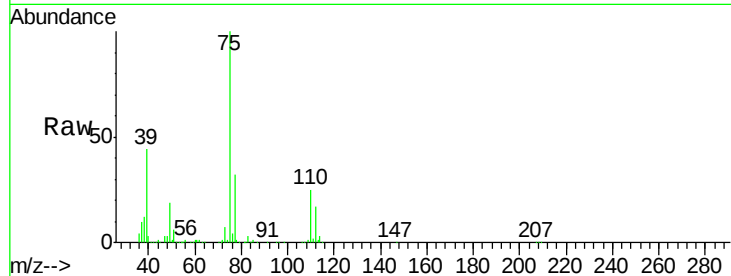
#53
t-1,3-Dichloropropene
Concen: 18.27 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0622WBSD01

Tot Ion: 75 Resp: 405213
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

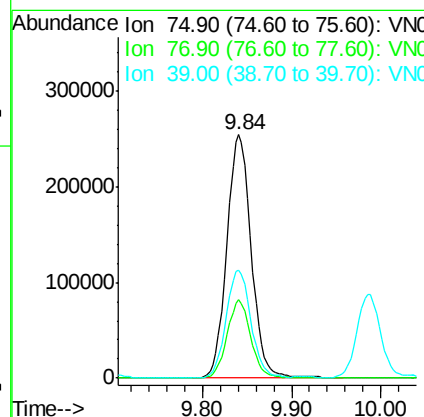
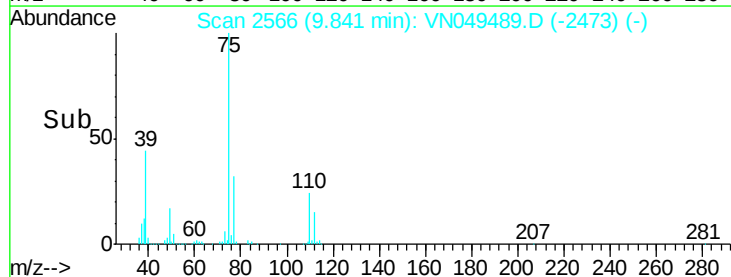
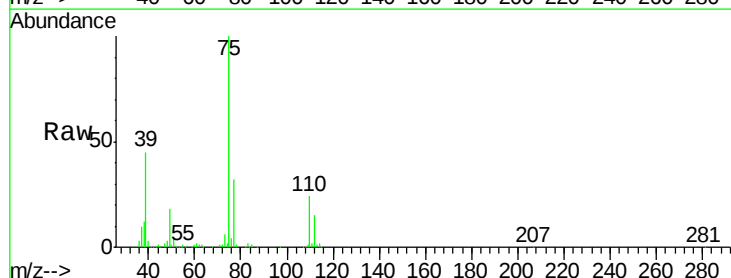
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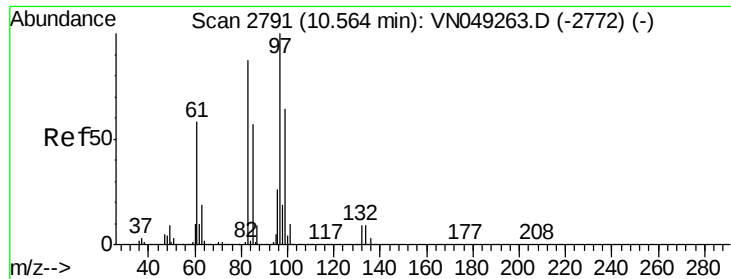
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#54
cis-1,3-Dichloropropene
Concen: 18.44 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 75 Resp: 482837
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2
39 44.4 45.1 67.7#





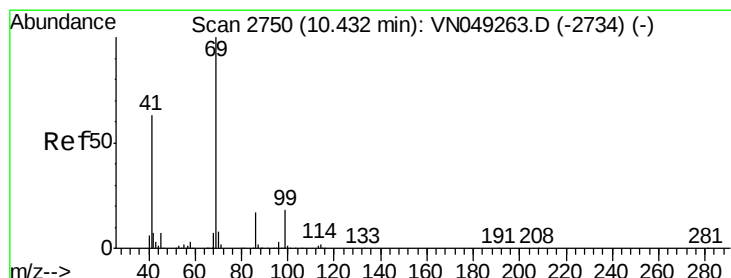
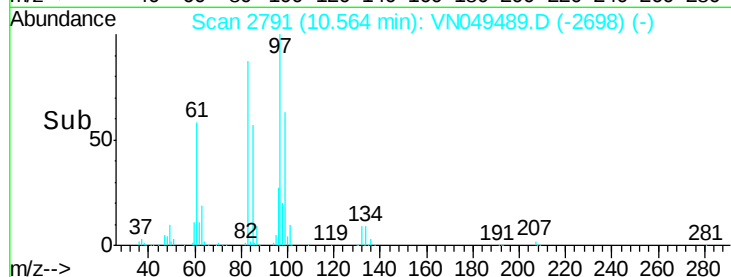
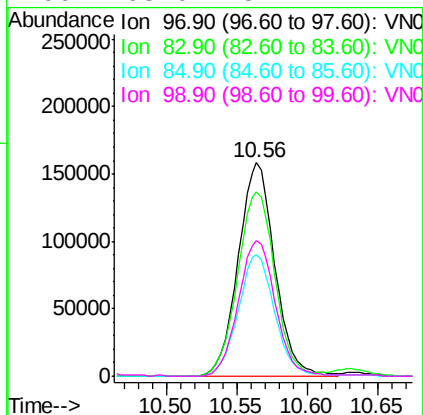
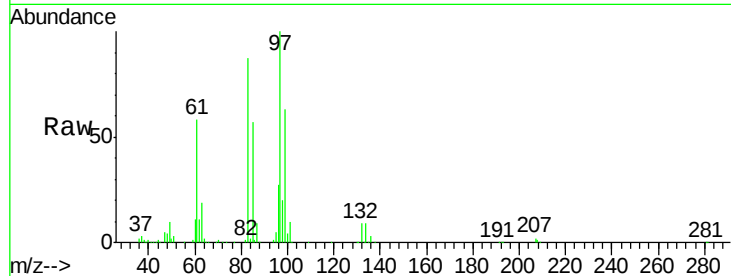
#55
 1,1,2-Trichloroethane
 Concen: 18.99 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		288639		
83	86.6	71.5	107.3		
85	57.1	47.0	70.4		
99	63.0	51.4	77.2		

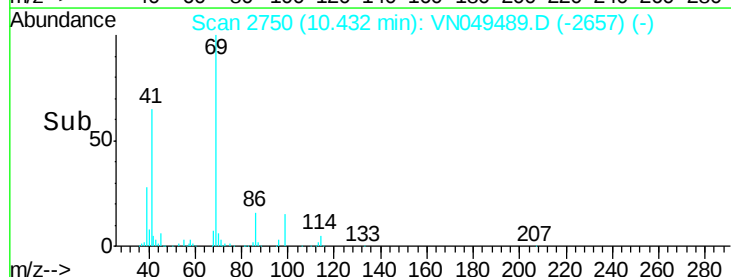
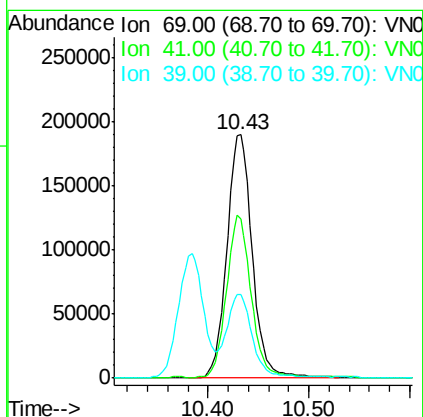
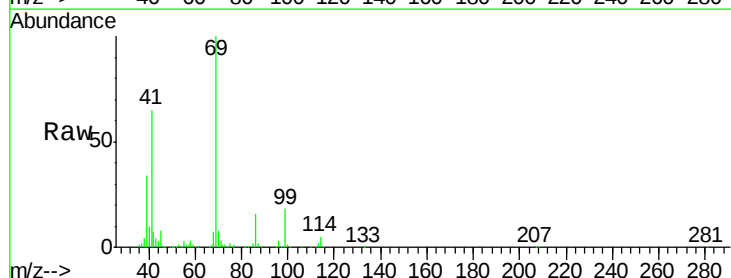
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 19.03 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		333771		
41	64.1	58.4	87.6		
39	33.7	35.5	53.3#		





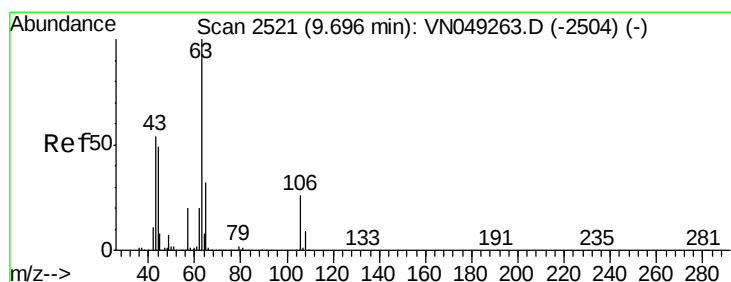
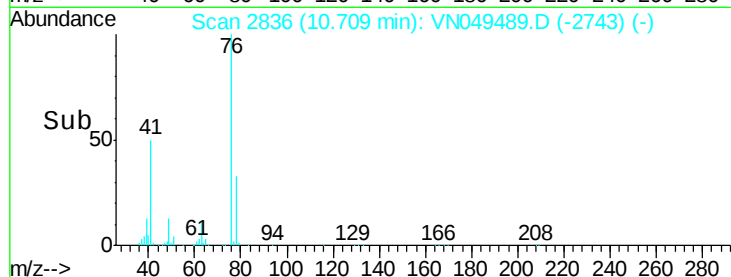
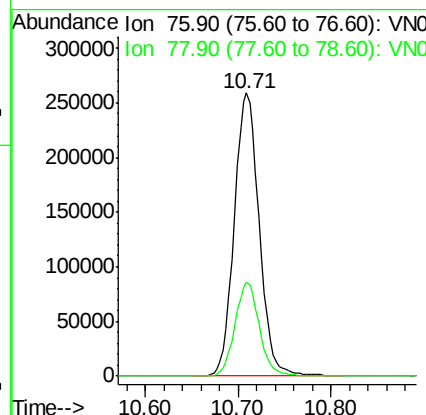
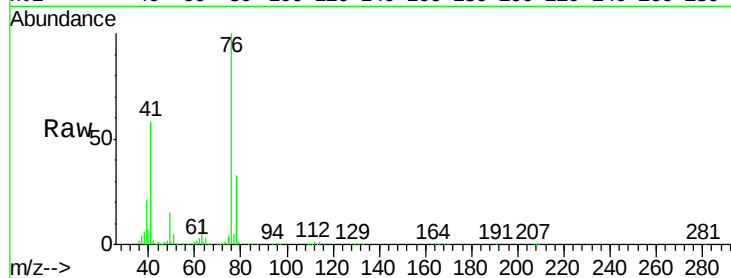
#57
 1,3-Dichloropropane
 Concen: 19.18 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD01

Tot Ion: 76 Resp: 482985
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.3 39.5

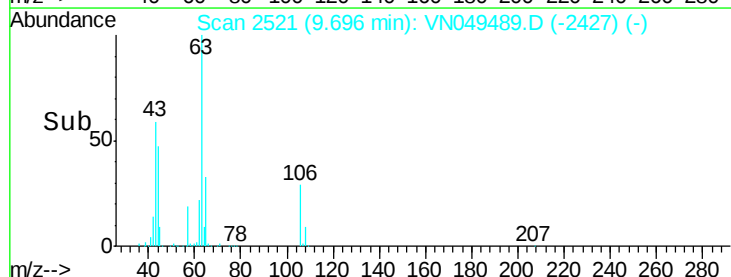
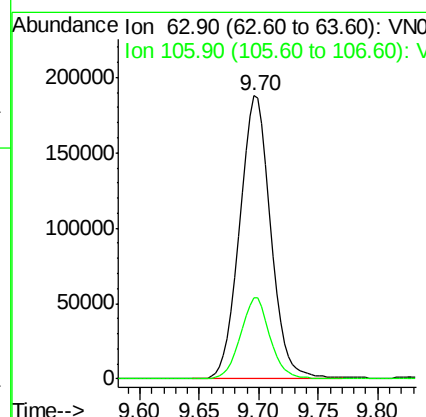
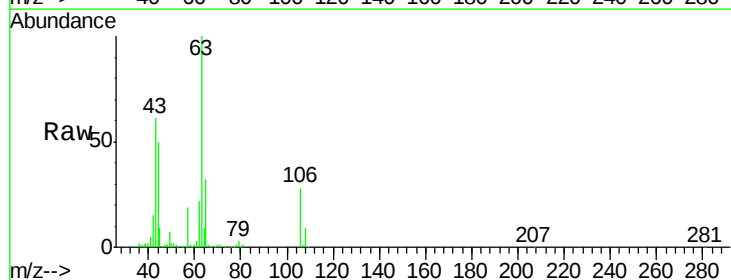
Manual Integrations
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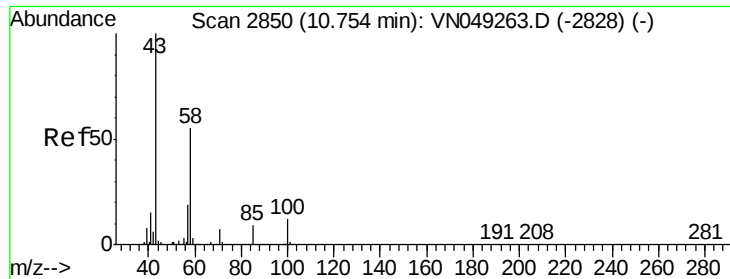
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#58
 2-Chloroethyl Vinyl ether
 Concen: 65.63 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion: 63 Resp: 341186
 Ion Ratio Lower Upper
 63 100
 106 27.4 19.4 29.2





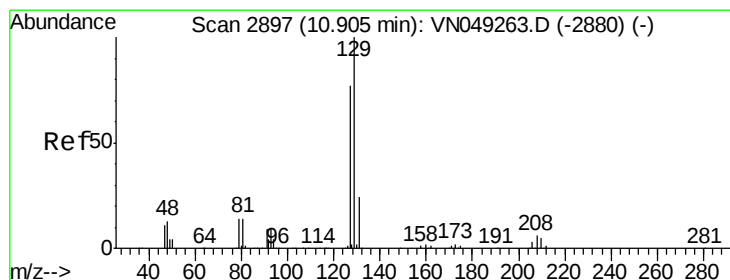
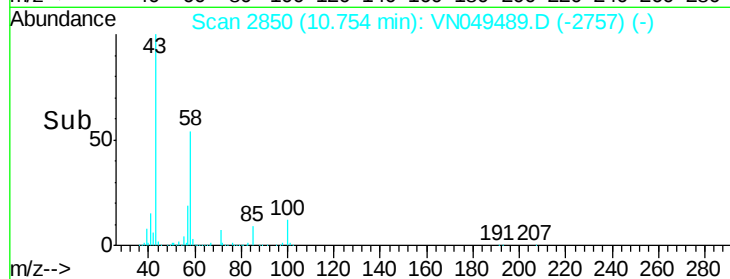
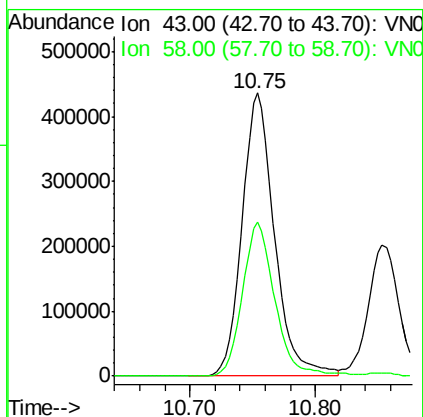
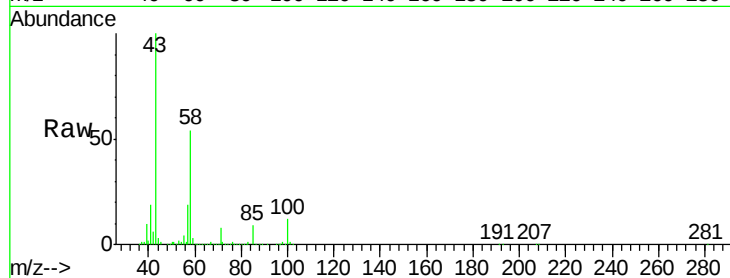
#59
2-Hexanone
Concen: 97.98 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

Tot Ion: 43 Resp: 779265
Ion Ratio Lower Upper
43 100
58 54.6 25.2 75.6

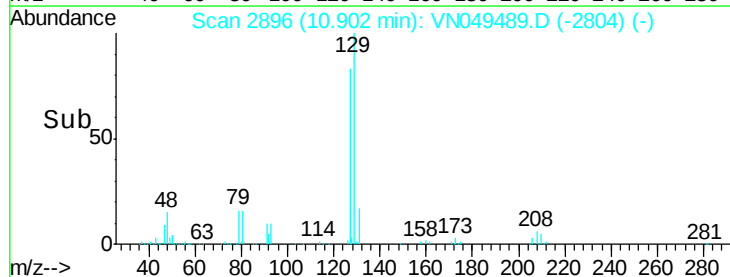
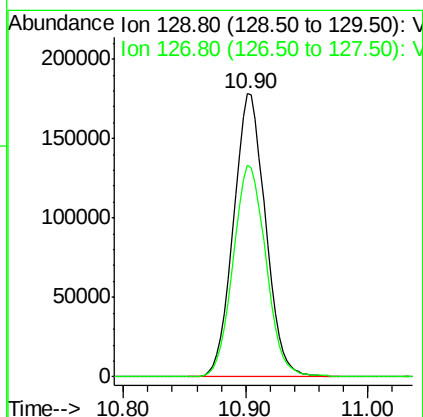
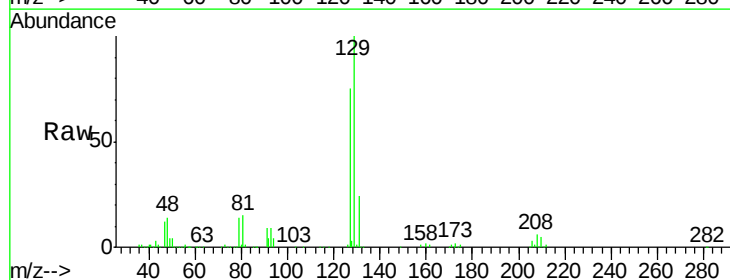
Manual Integrations
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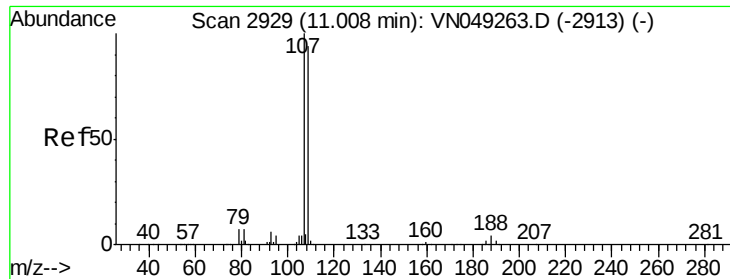
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#60
Dibromochloromethane
Concen: 19.13 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 129 Resp: 324556
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





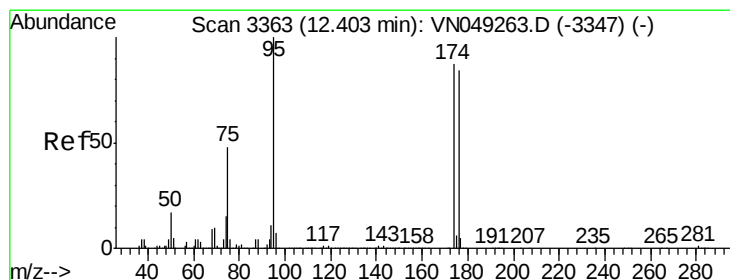
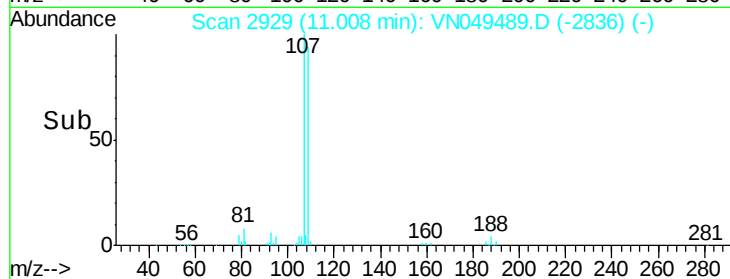
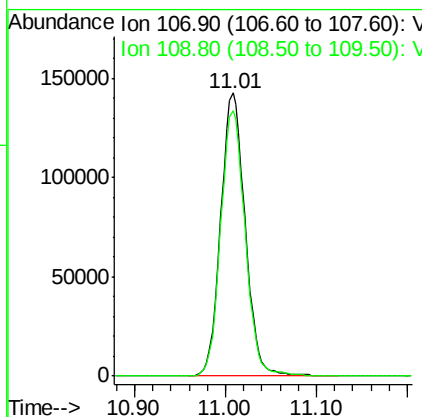
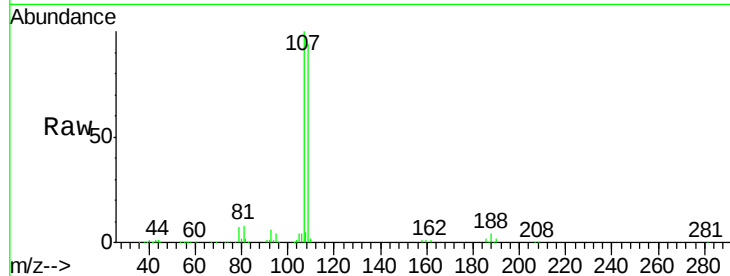
#61
 1,2-Dibromoethane
 Concen: 18.85 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.2

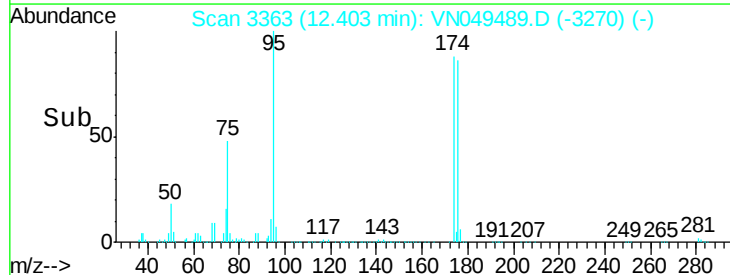
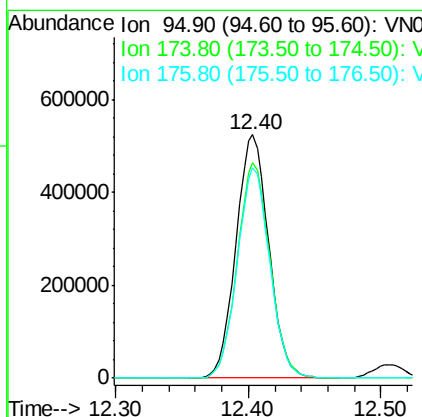
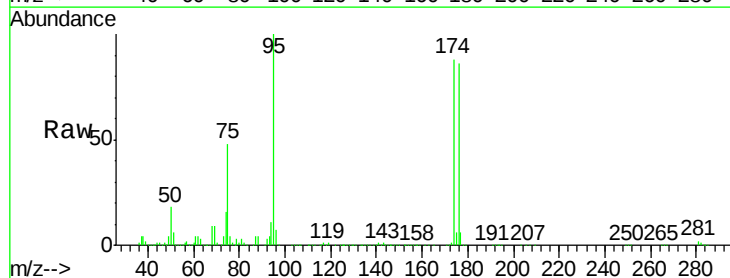
Manual Integrations
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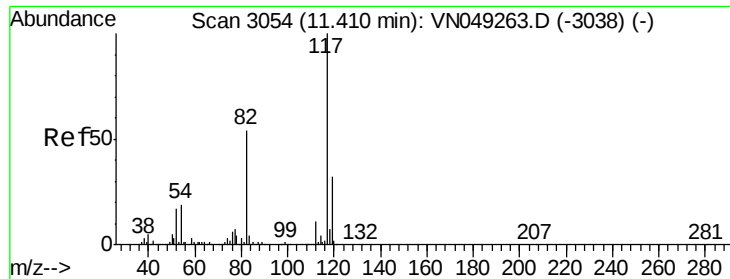
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 44.63 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	165.6
176	85.6	0.0	157.4





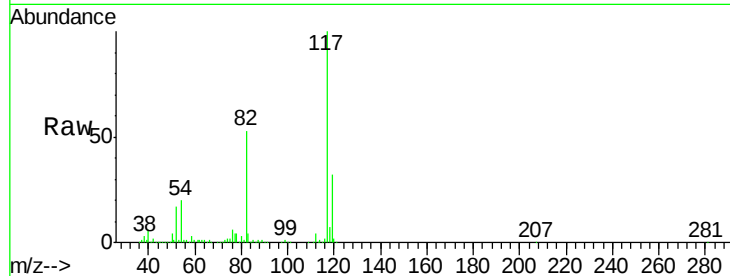
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0622WBSD01

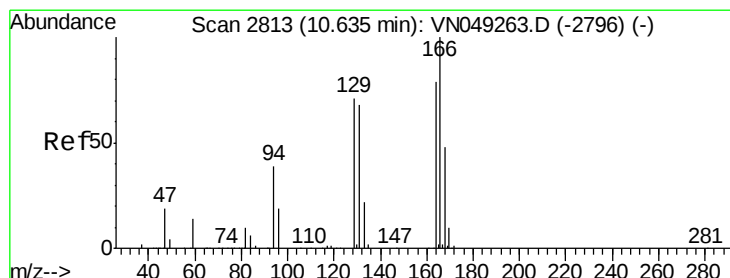
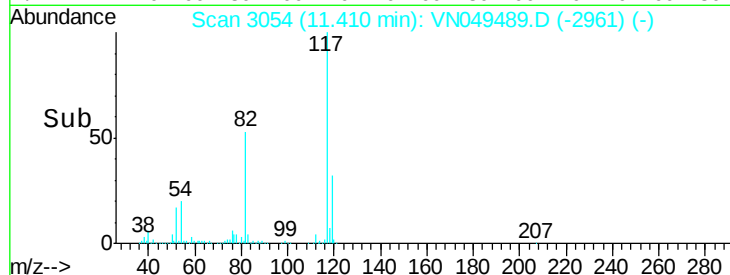
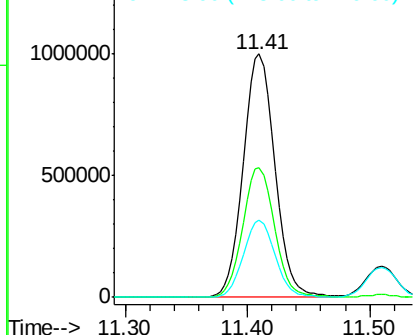
Tot Ion:117 Resp: 1785659
Ion Ratio Lower Upper
117 100
82 53.4 45.9 68.9
119 31.6 25.5 38.3

Manual Integrations
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MMDadoda
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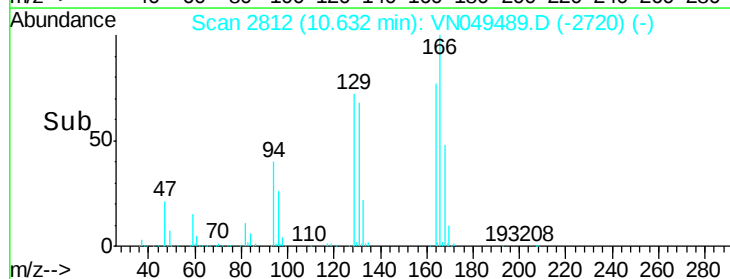
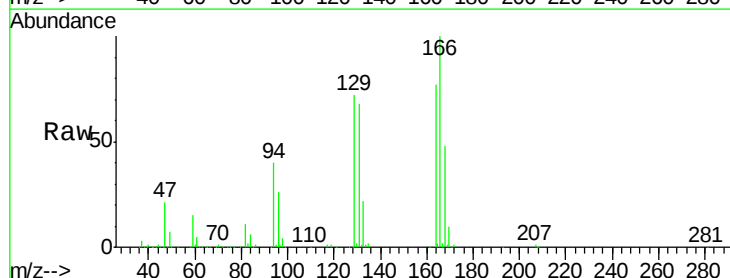
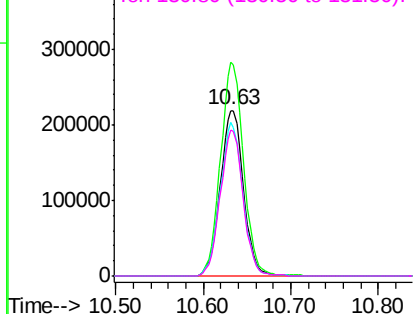
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.95 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion:164 Resp: 401717
Ion Ratio Lower Upper
164 100
166 129.3 101.4 152.2
129 92.6 74.1 111.1
131 88.4 73.7 110.5

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.41 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion:112 Resp: 846921

Ion Ratio Lower Upper

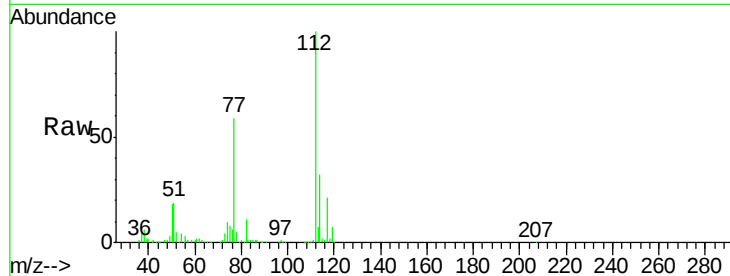
112 100

114 32.5 26.2 39.4

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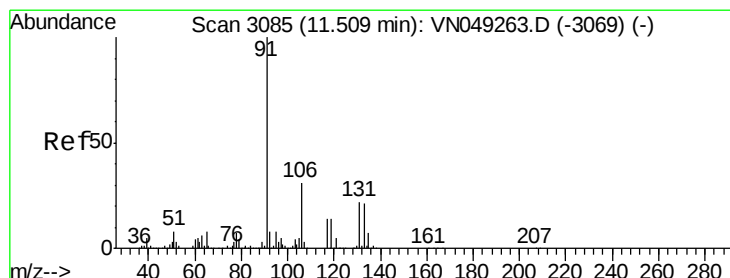
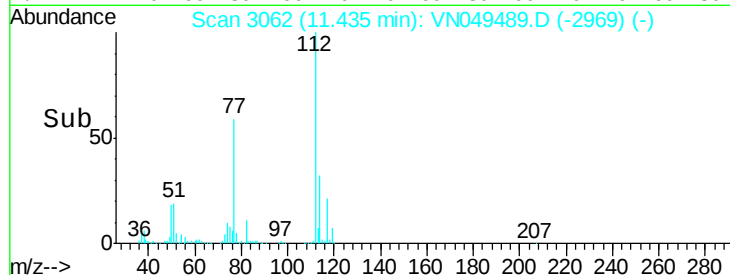
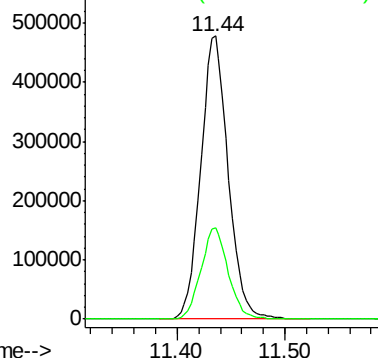
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.82 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

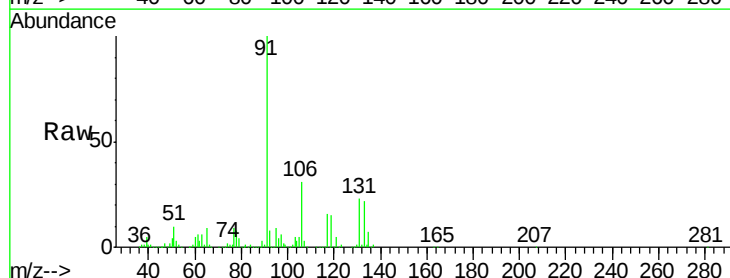
Tgt Ion:131 Resp: 325775

Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.2

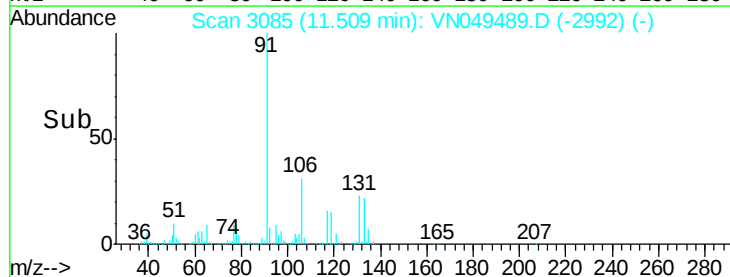
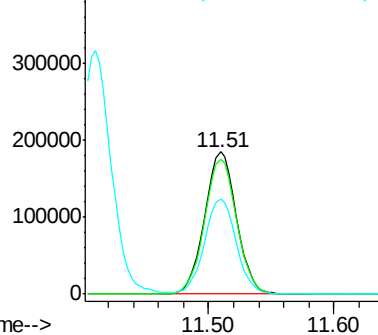
119 66.8 33.6 100.8

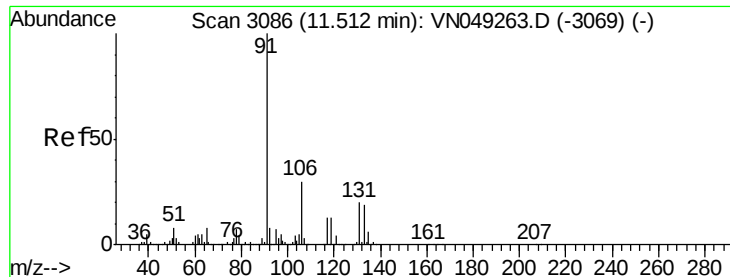


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





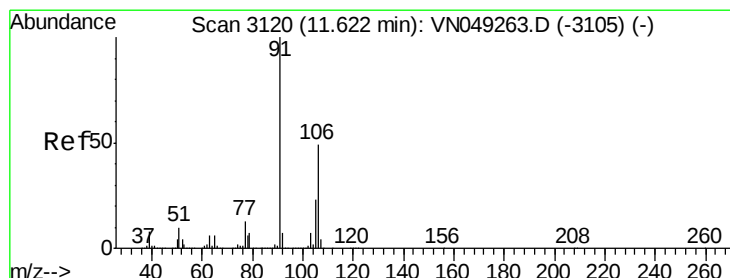
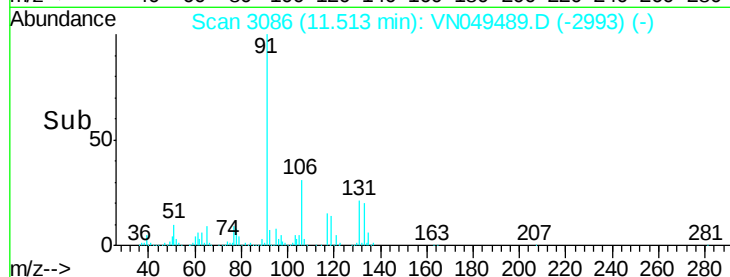
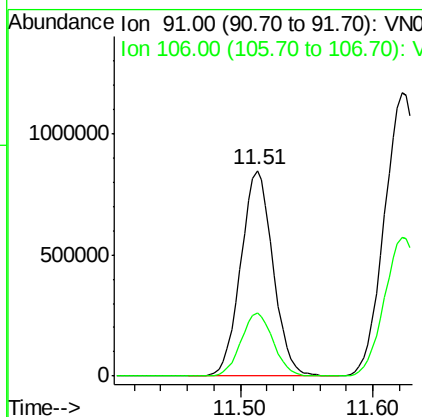
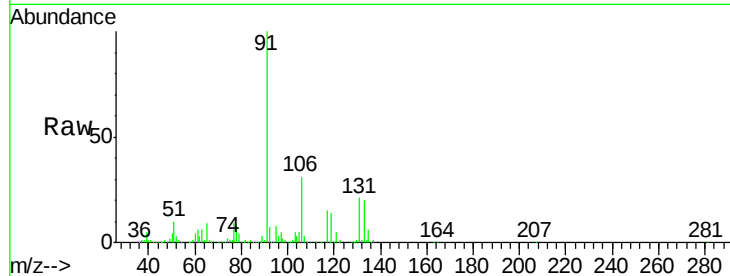
#67
Ethyl Benzene
Concen: 18.68 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

Tot Ion: 91 Resp: 1425047
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9

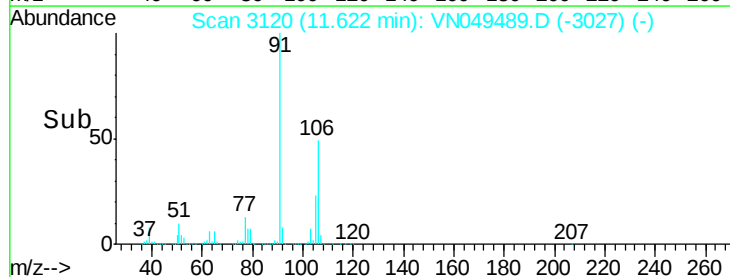
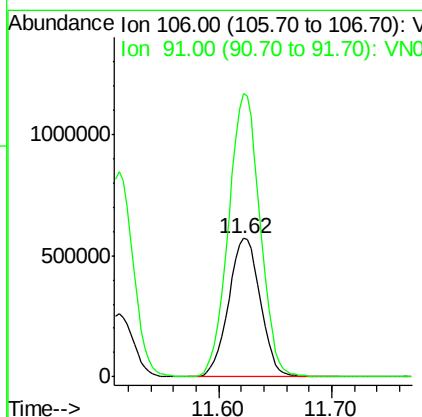
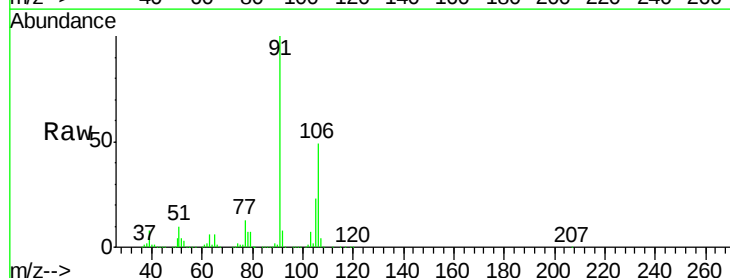
Manual Integrations
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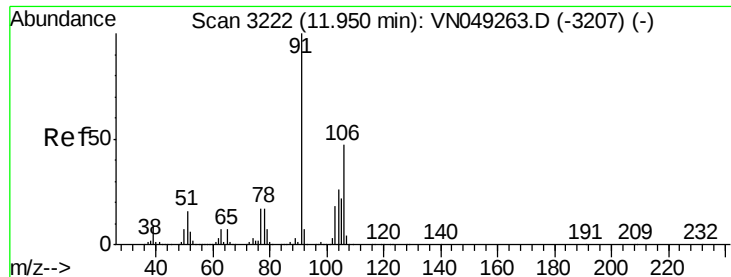
MMDadoda
6/25/2018 4:23:21 PM



#68
m/p-Xylenes
Concen: 38.97 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 106 Resp: 1116030
Ion Ratio Lower Upper
106 100
91 202.1 167.3 250.9





#69

o-Xylene

Concen: 19.10 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion:106 Resp: 526678

Ion Ratio Lower Upper

106 100

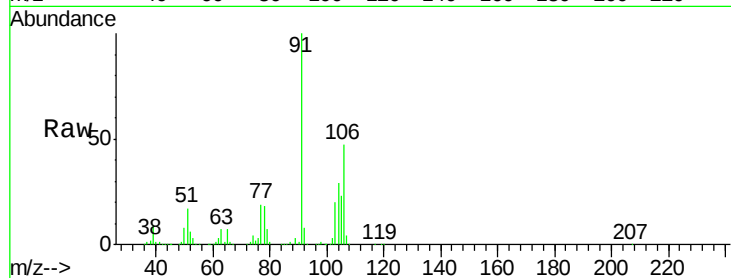
91 214.3 111.0 333.0

Manual Integrations

APPROVED

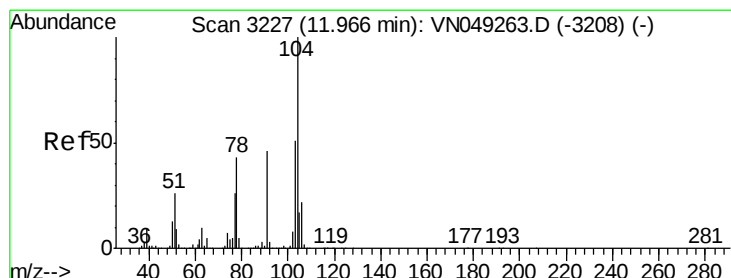
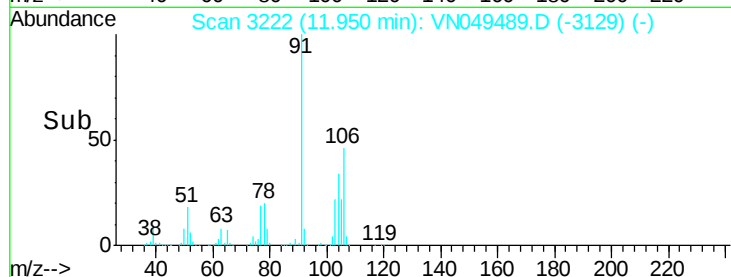
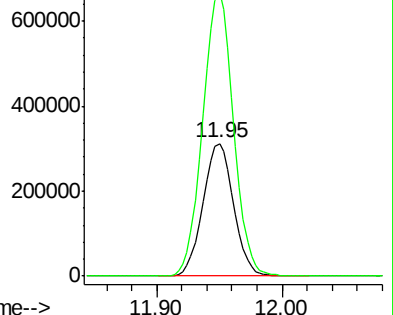
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 19.13 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

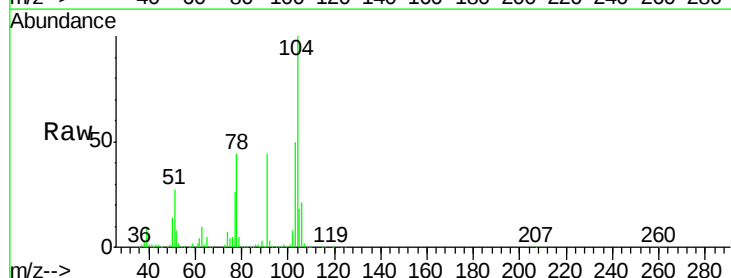
Tgt Ion:104 Resp: 832583

Ion Ratio Lower Upper

104 100

78 49.7 41.6 62.4

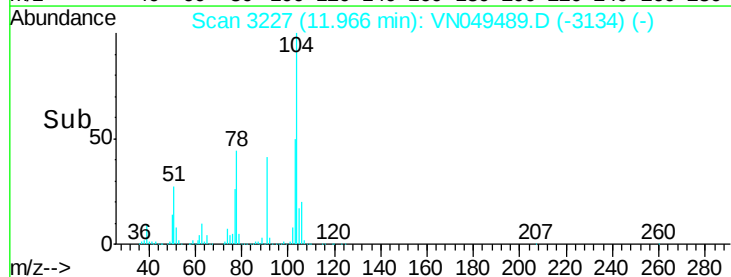
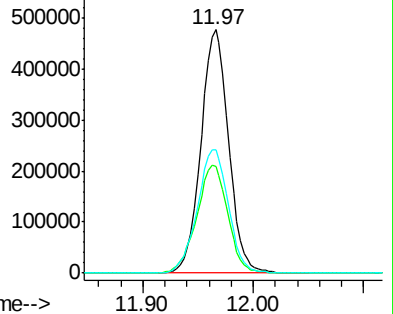
103 56.6 45.4 68.2

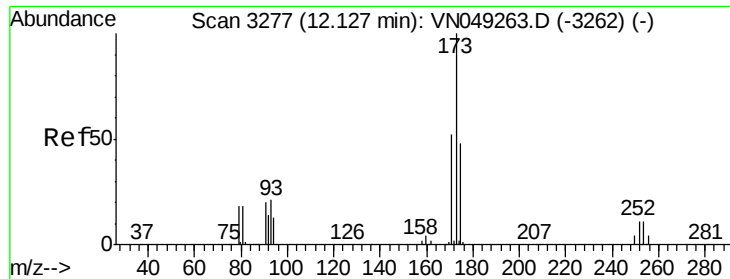


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





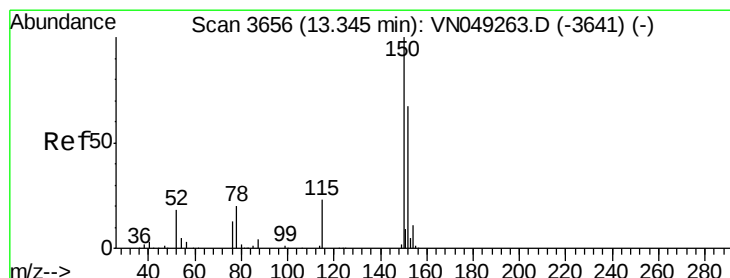
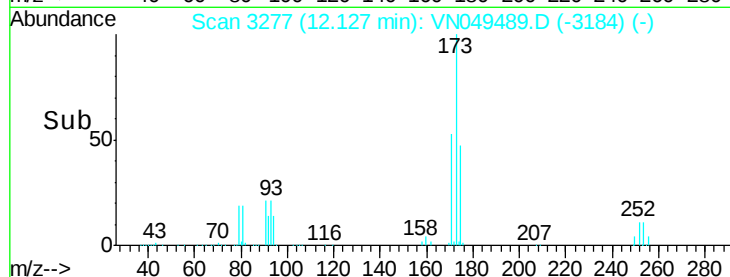
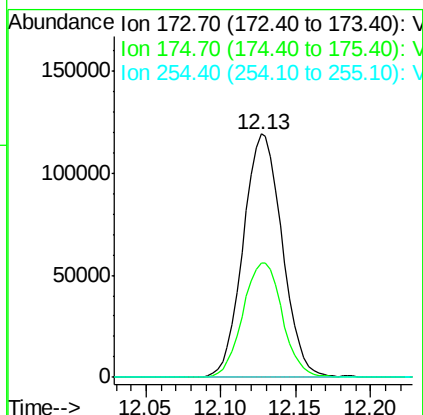
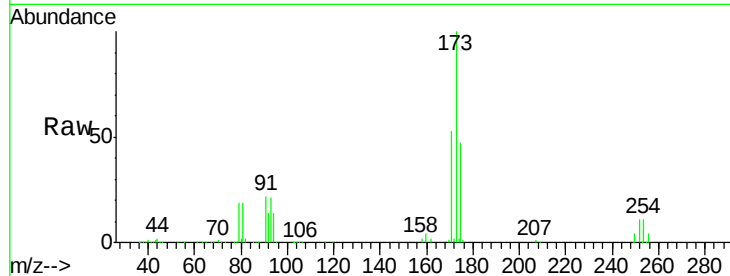
#71
Bromoform
Concen: 19.31 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.5	73.5
254	0.1	0.1	0.1#

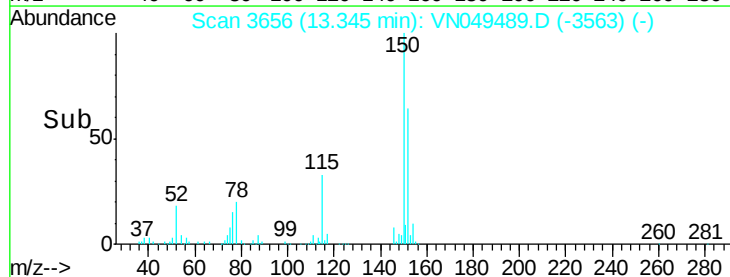
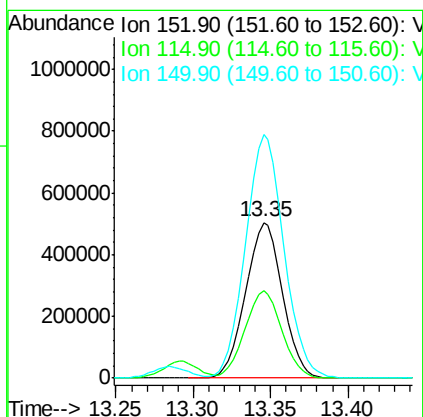
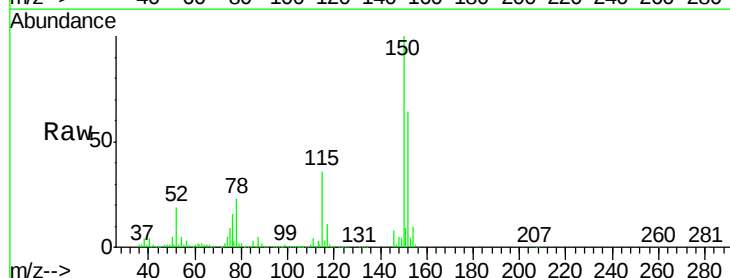
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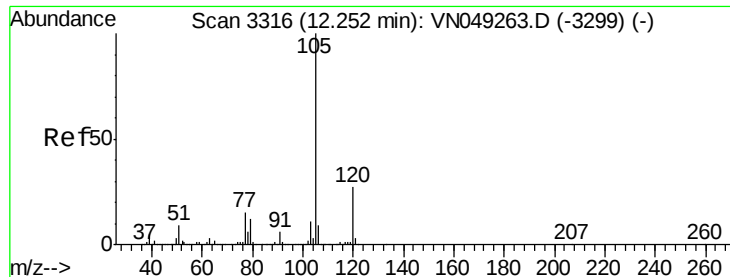
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.7	86.1
150	163.2	0.0	351.0





#73

Isopropylbenzene

Concen: 18.99 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion:105 Resp: 1395018

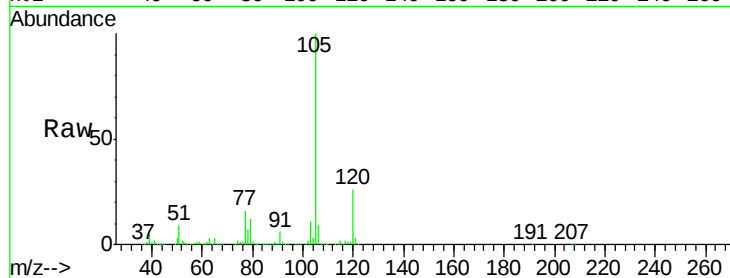
Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

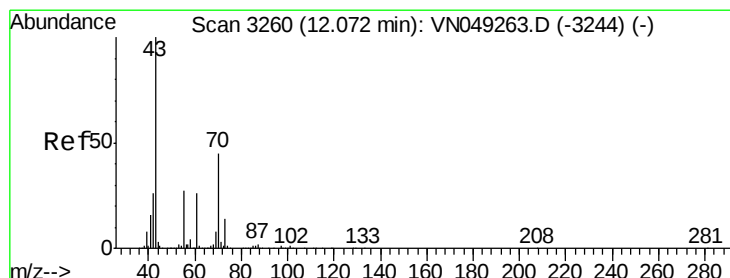
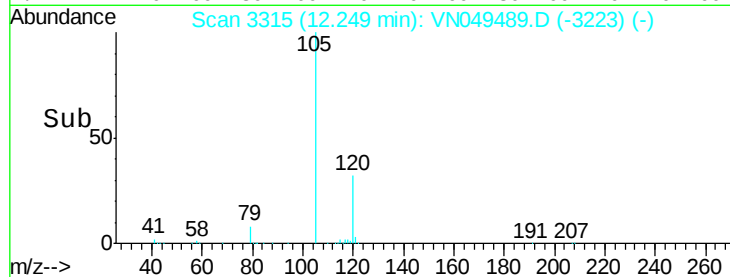
400000

200000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 17.90 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Tgt Ion: 43 Resp: 322045

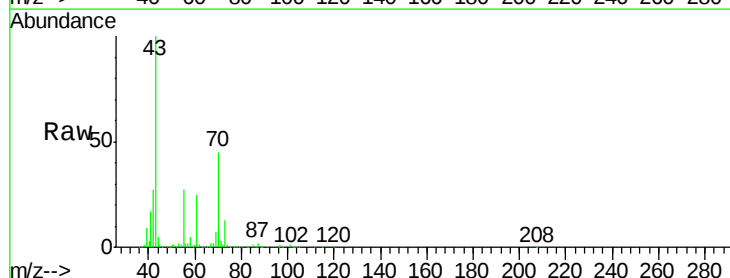
Ion Ratio Lower Upper

43 100

70 44.2 30.3 45.5

55 27.2 19.4 29.2

61 24.5 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

300000

250000

200000

150000

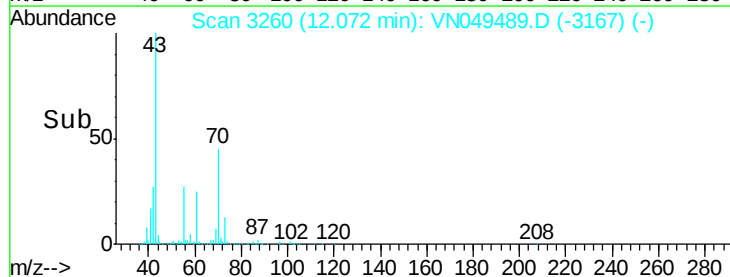
100000

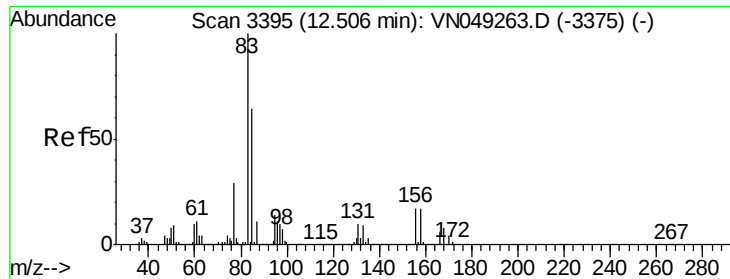
50000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.91 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion: 83 Resp: 306898

Ion Ratio Lower Upper

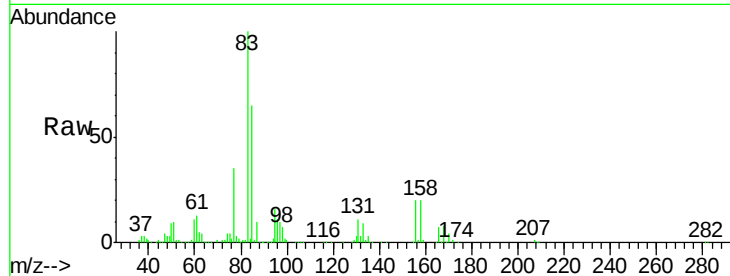
83 100

131 10.7 5.0 15.0

85 66.4 32.0 96.0

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Abundance Ion 82.90 (82.60 to 83.60): VN049263.D (-3375) (-)

Ion 130.80 (130.50 to 131.50): VN049263.D (-3375) (-)

Ion 84.90 (84.60 to 85.60): VN049263.D (-3375) (-)

12.51

200000

150000

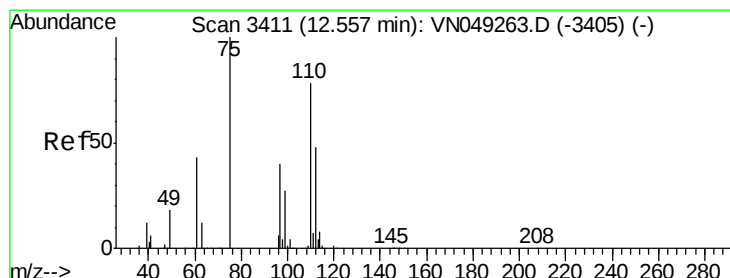
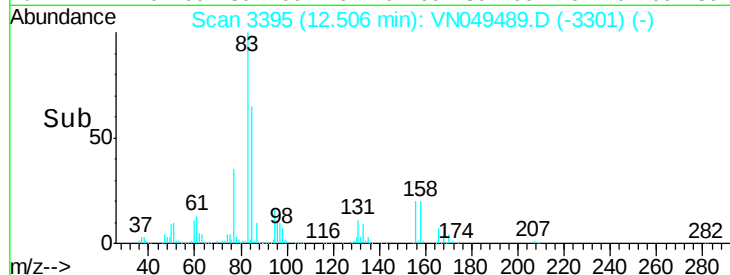
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.59 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049489.D

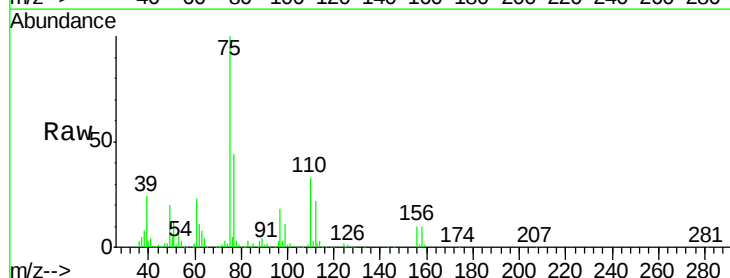
Acq: 22 Jun 2018 14:15

Tgt Ion: 75 Resp: 293922

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049489.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049489.D (-3318) (-)

12.55

300000

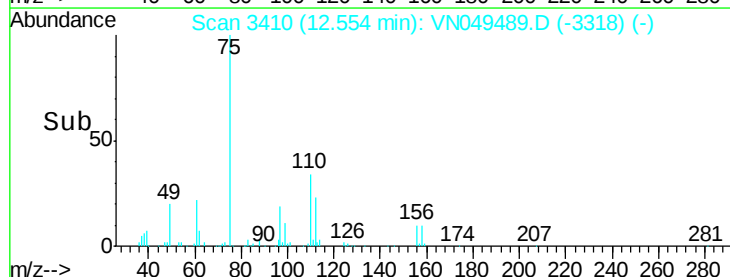
200000

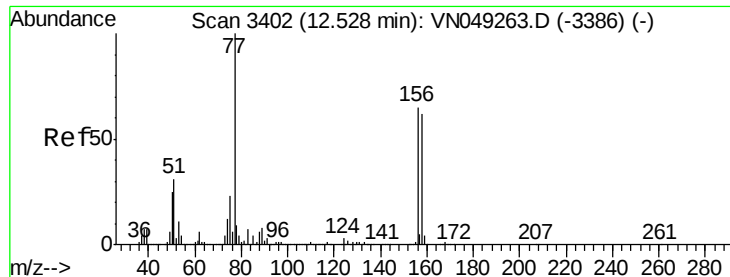
100000

0

12.55 12.60

Time-->





#77

Bromobenzene

Concen: 18.47 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

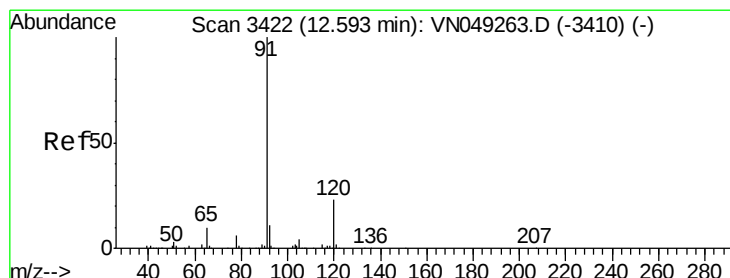
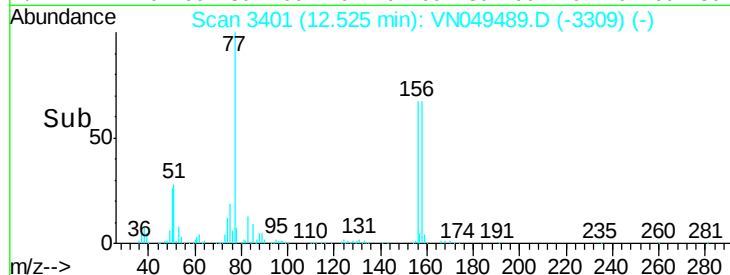
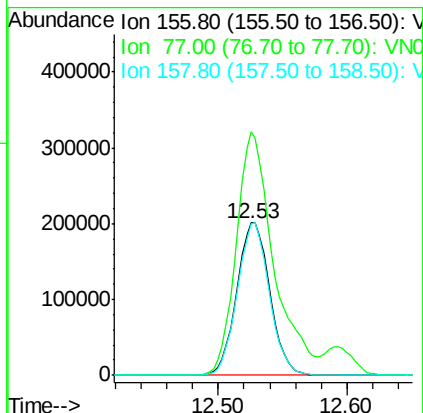
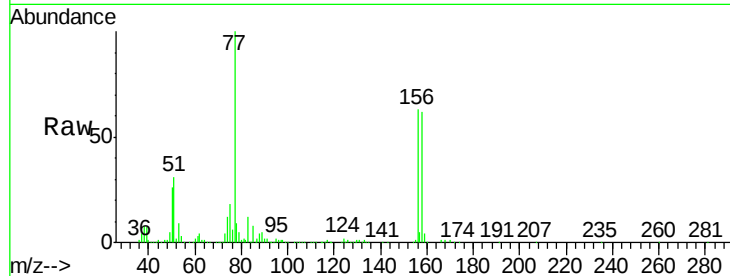
ClientSampleId :

VN0622WBSD01

Tot Ion:	156	Resp:	358507
Ion Ratio	Lower	Upper	
156	100		
77	181.3	100.8	302.4
158	96.9	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.38 ug/l

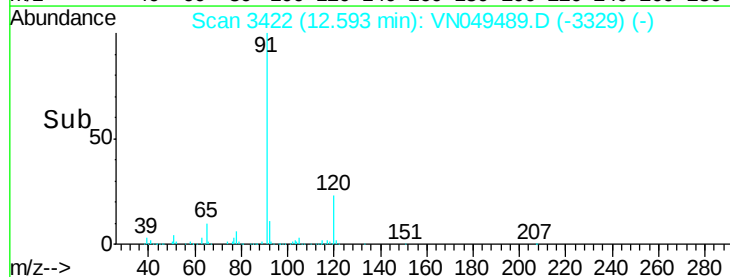
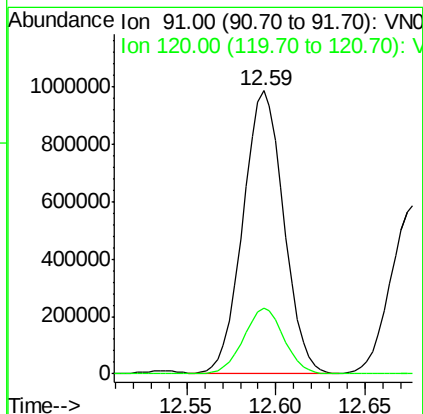
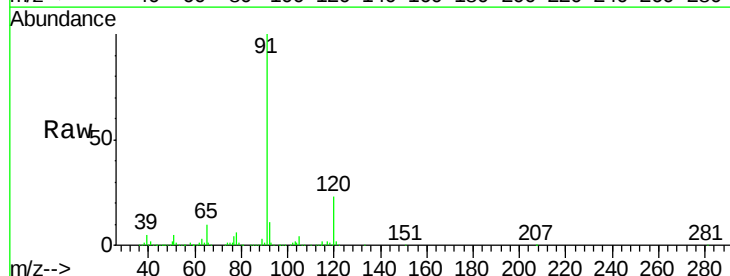
RT: 12.59 min Scan# 3422

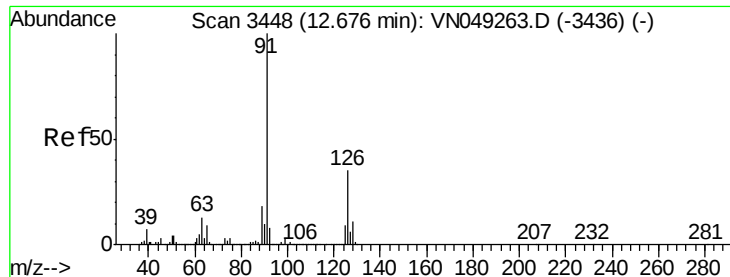
Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	91	Resp:	1563187
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.05 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampled :

VN0622WBSD01

Tot Ion: 91 Resp: 973702

Ion Ratio Lower Upper

91 100

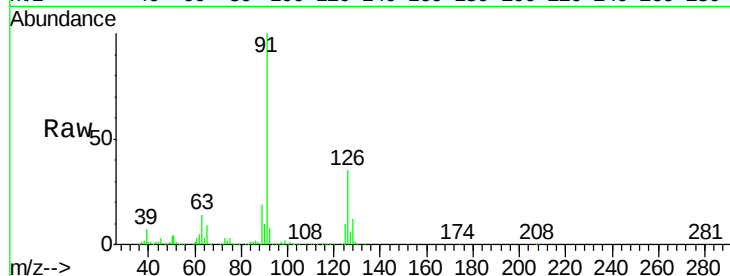
126 35.0 16.6 49.8

Manual Integrations

APPROVED

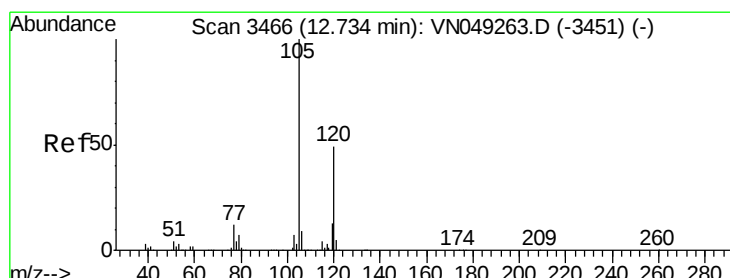
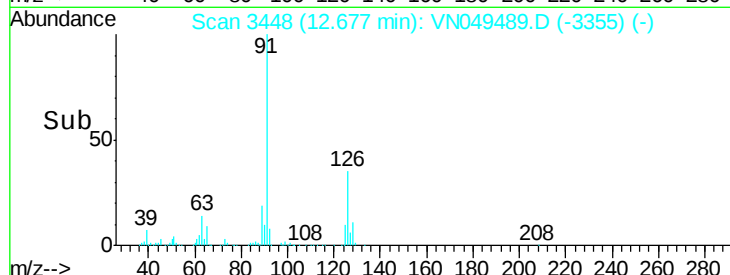
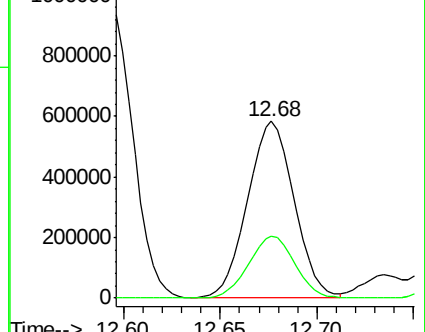
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Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.69 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049489.D

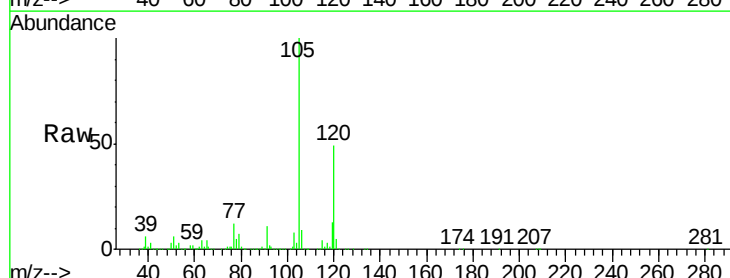
Acq: 22 Jun 2018 14:15

Tgt Ion:105 Resp: 1136939

Ion Ratio Lower Upper

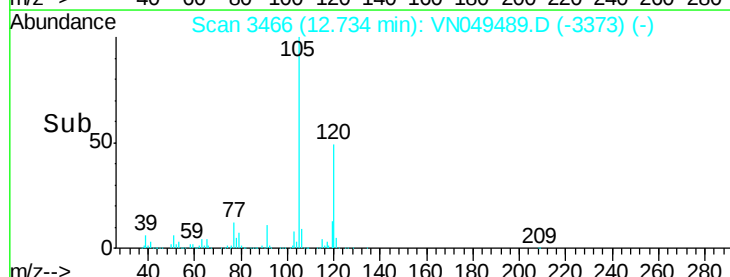
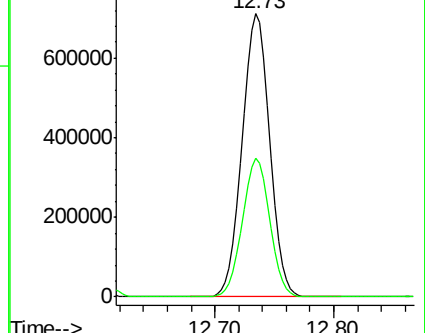
105 100

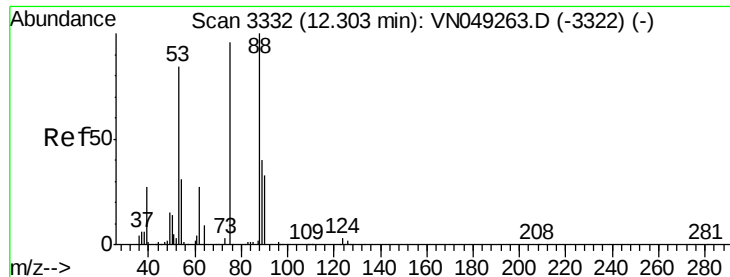
120 48.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.92 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

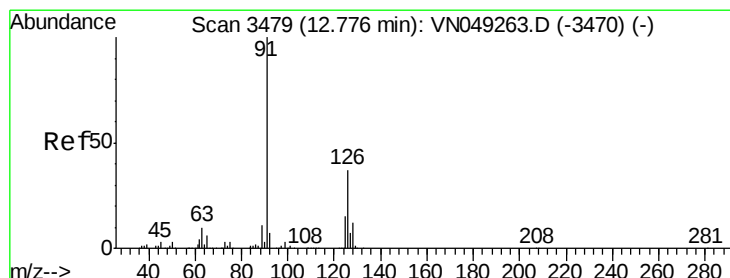
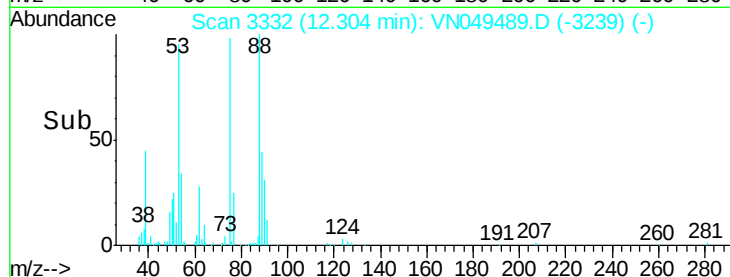
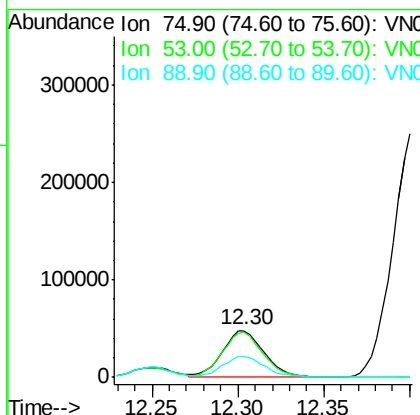
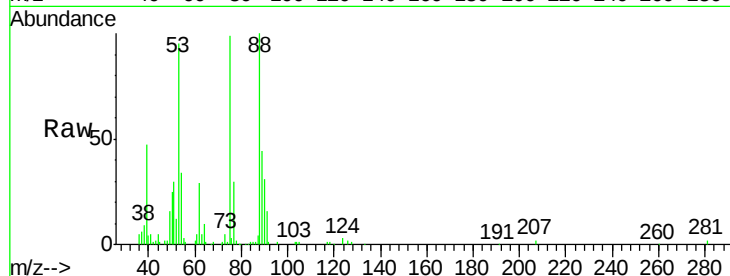
ClientSampleId :

VN0622WBSD01

Tot Ion:	75	Resp:	80970
Ion	Ratio	Lower	Upper
75	100		
53	95.7	82.7	124.1
89	45.1	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.16 ug/l

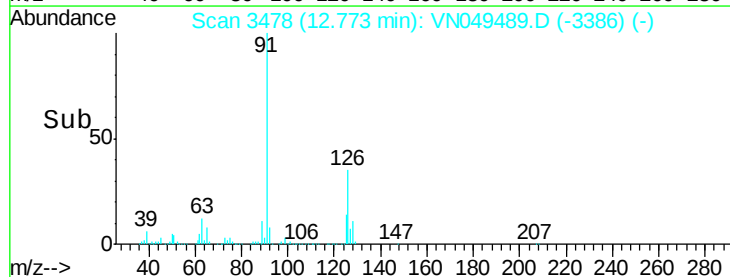
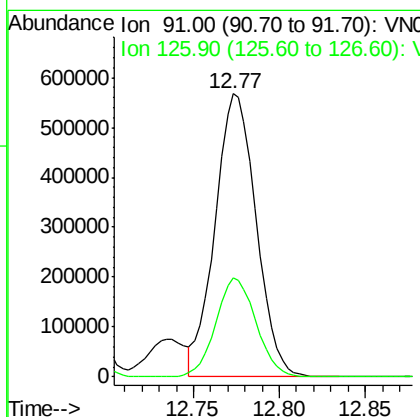
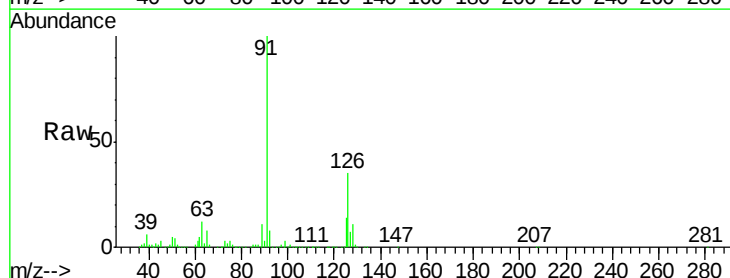
RT: 12.77 min Scan# 3478

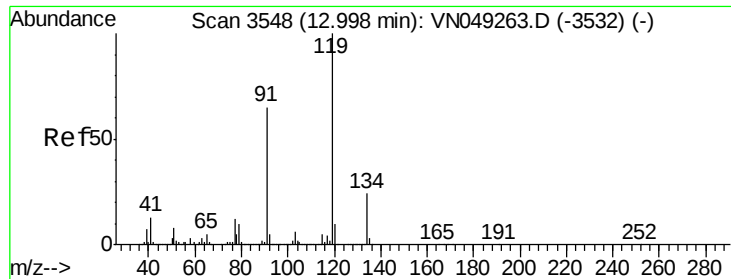
Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	91	Resp:	944775
Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.1





#83

tert-Butylbenzene

Concen: 18.81 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

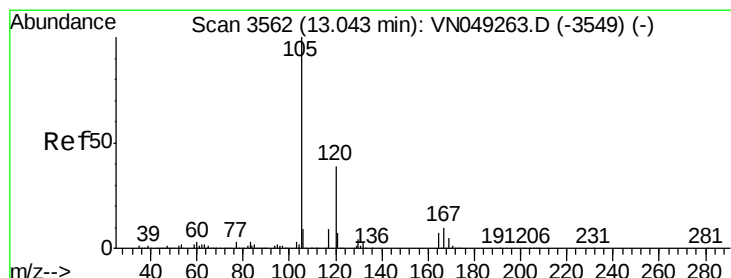
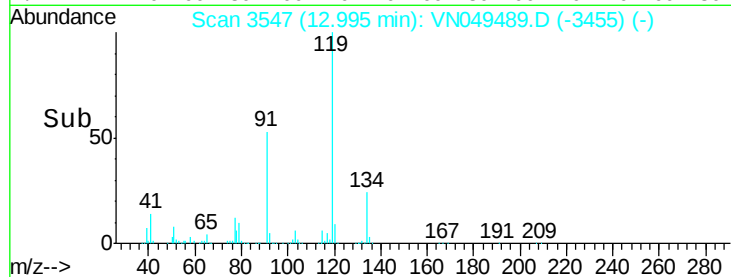
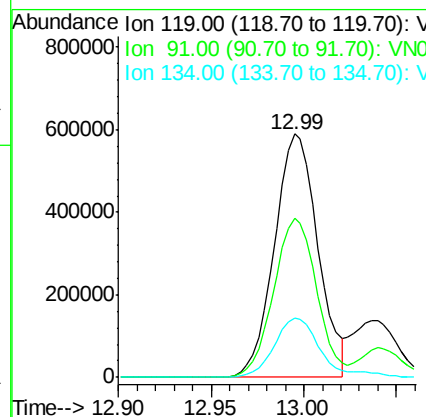
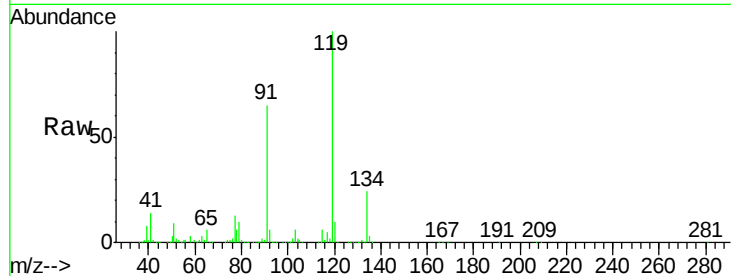
ClientSampleId :

VN0622WBSD01

Tot Ion:	119	Resp:	962174
Ion Ratio	Lower	Upper	
119	100		
91	64.8	33.7	101.0
134	26.1	12.9	38.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.68 ug/l

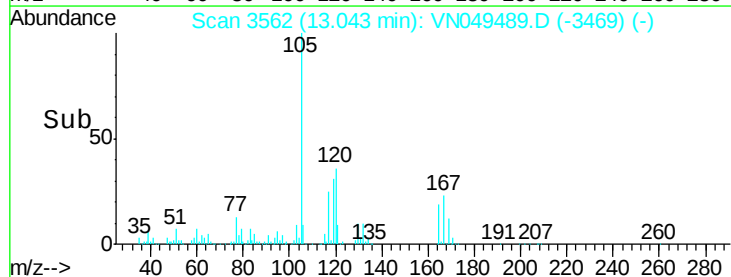
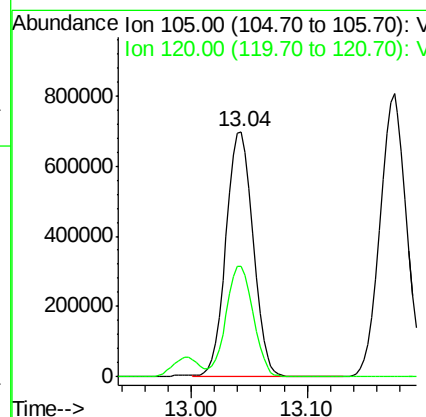
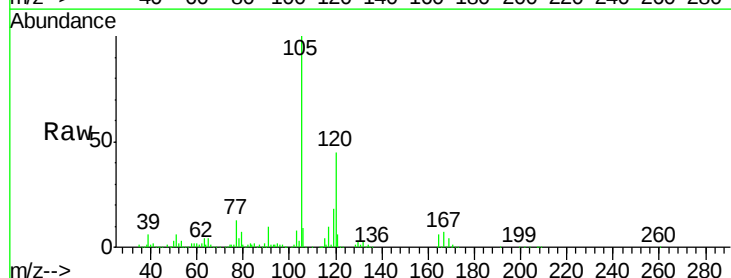
RT: 13.04 min Scan# 3562

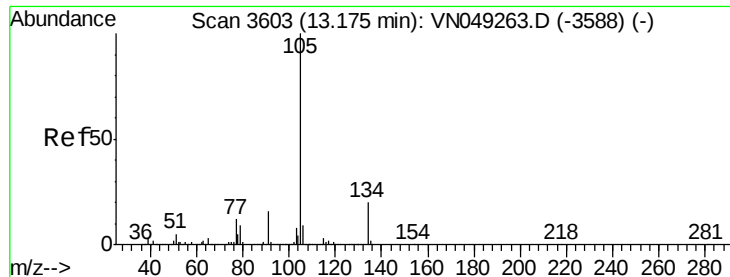
Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	105	Resp:	1129291
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.2	66.6





#85

sec-Butylbenzene

Concen: 18.87 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD01

Tot Ion:105 Resp: 1284714

Ion Ratio Lower Upper

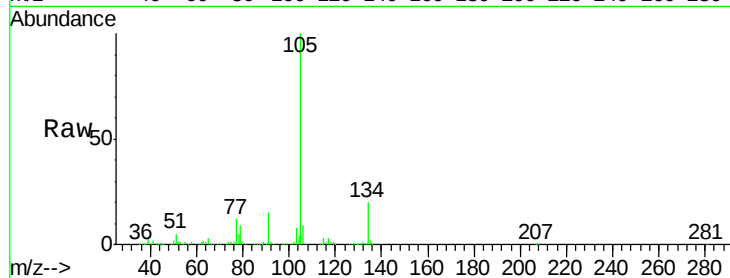
105 100

134 20.1 9.8 29.3

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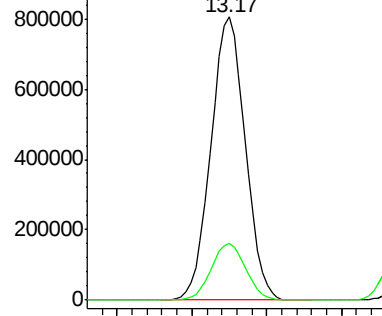
MMDadoda

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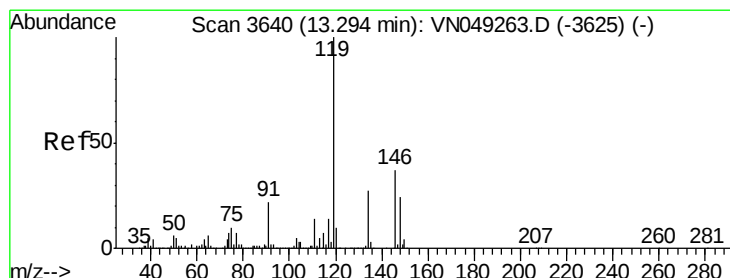
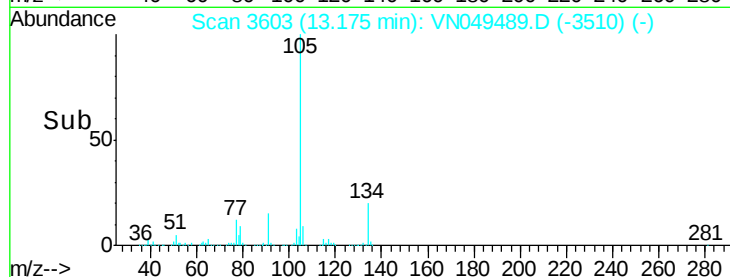


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 18.63 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

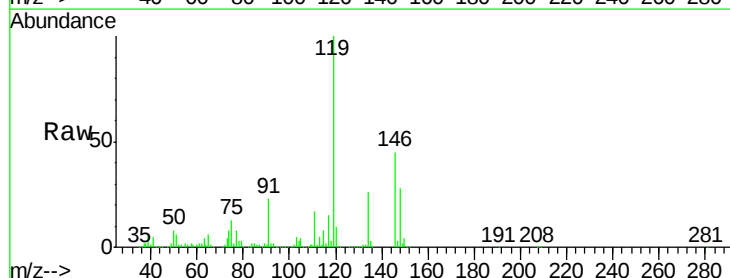
Tgt Ion:119 Resp: 1059720

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

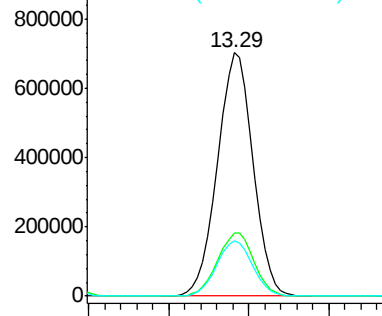
91 22.9 12.1 36.3



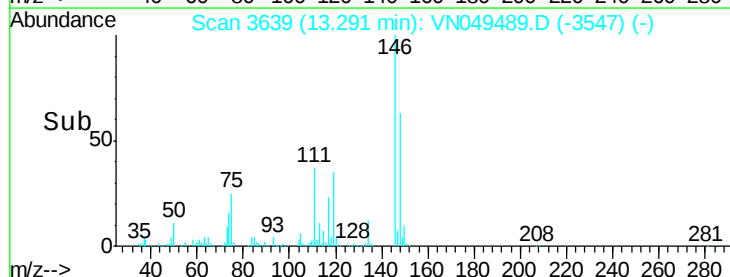
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time--> 13.20 13.25 13.30 13.35





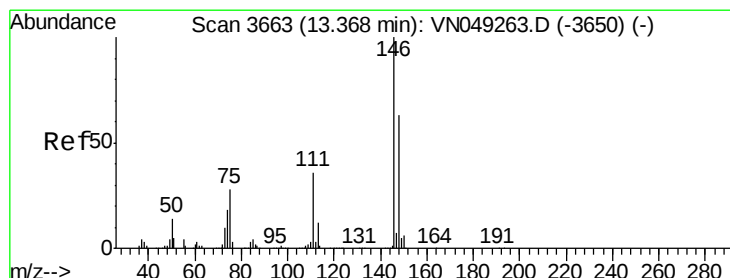
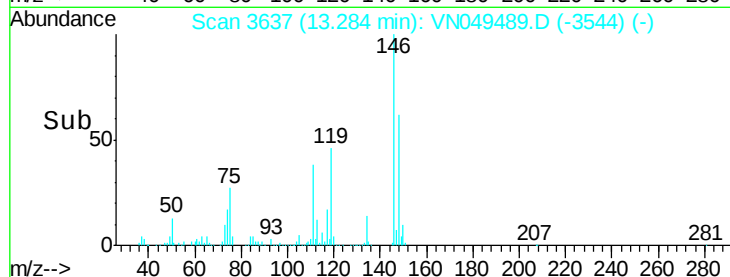
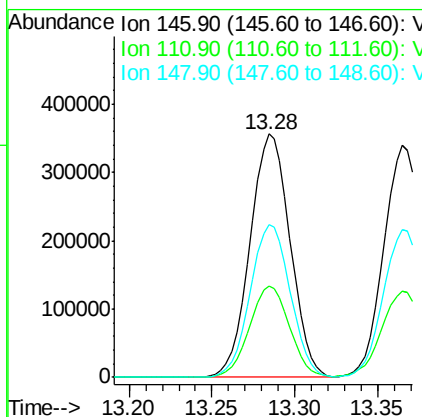
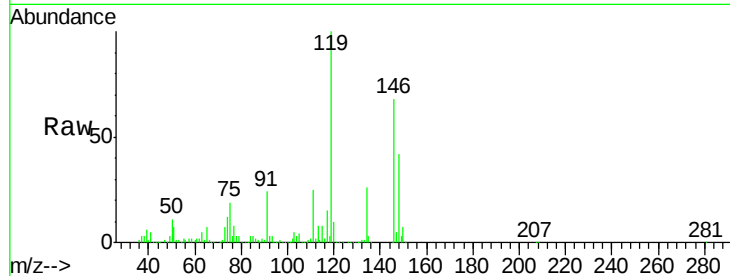
#87
 1,3-Dichlorobenzene
 Concen: 18.76 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	598960		
111	37.3	19.9	59.6	
148	62.7	32.1	96.5	

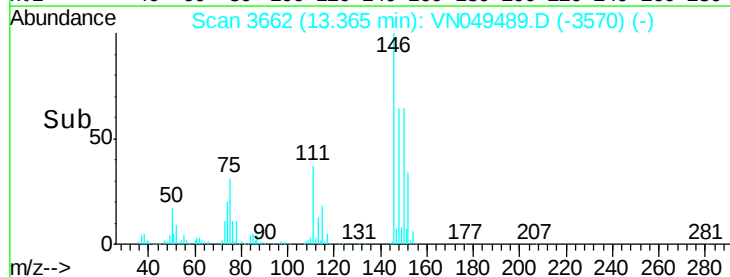
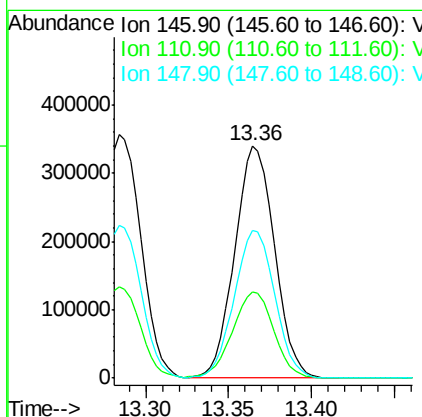
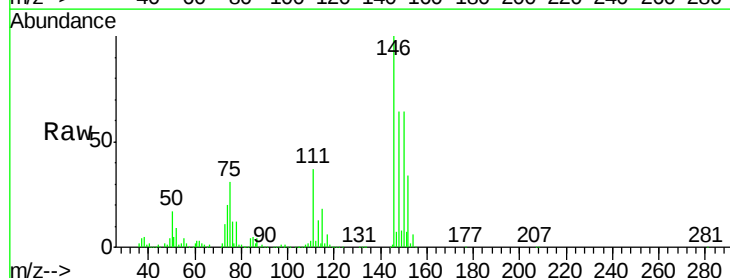
Manual Integrations
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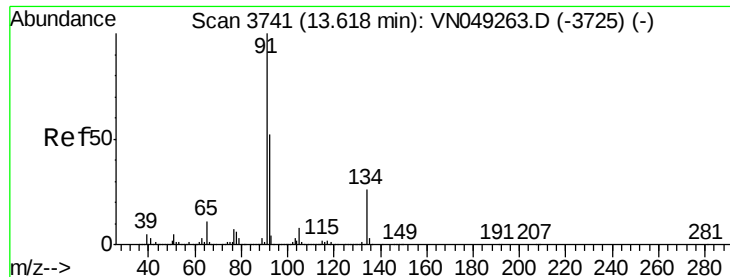
MMDadoda
 6/25/2018 4:23:21 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.93 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	567469		
111	38.6	19.1	57.1	
148	64.7	32.0	96.2	





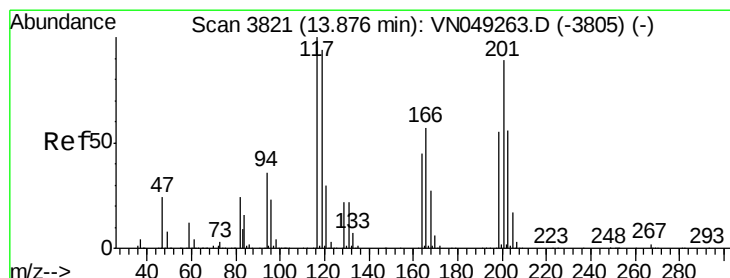
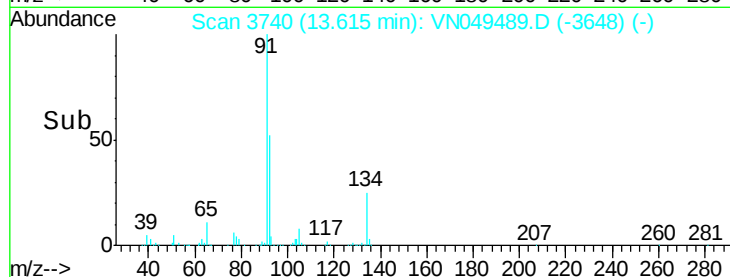
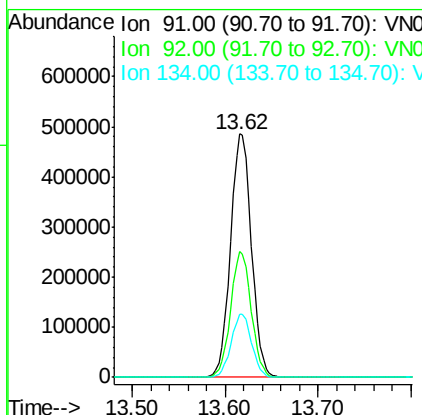
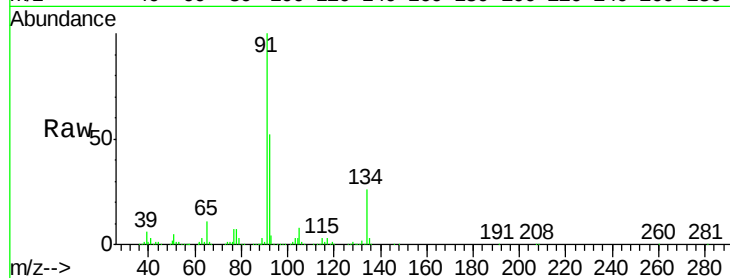
#89
n-Butylbenzene
Concen: 17.07 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.1	75.4
134	25.5	12.0	36.0

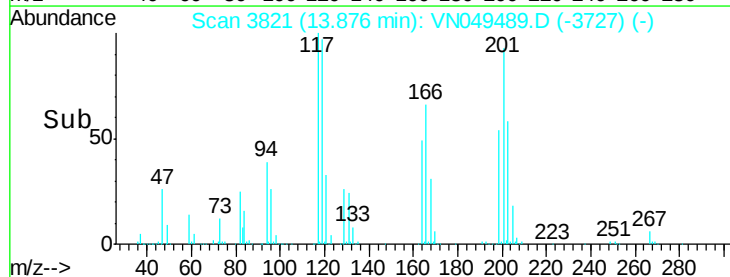
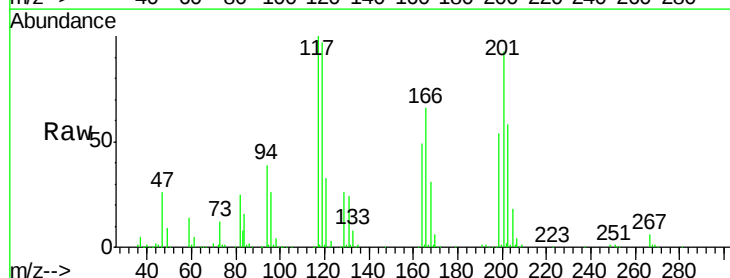
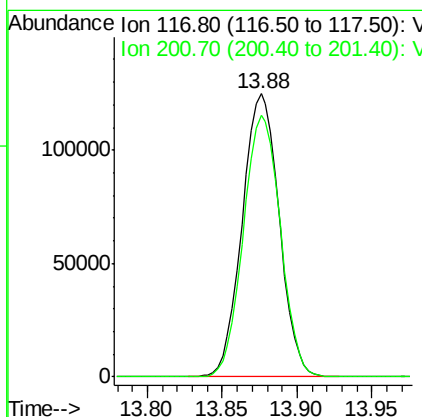
Manual Integrations
APPROVED

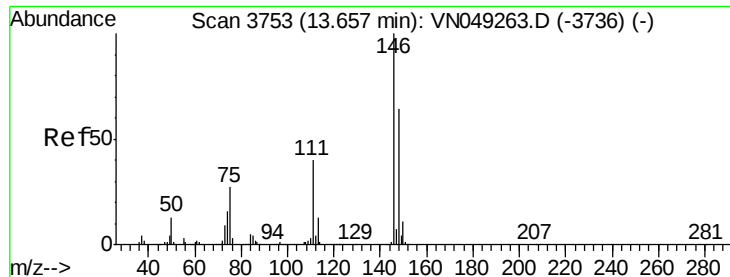
MMDadoda
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#90
Hexachloroethane
Concen: 18.95 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.5	40.1	120.2





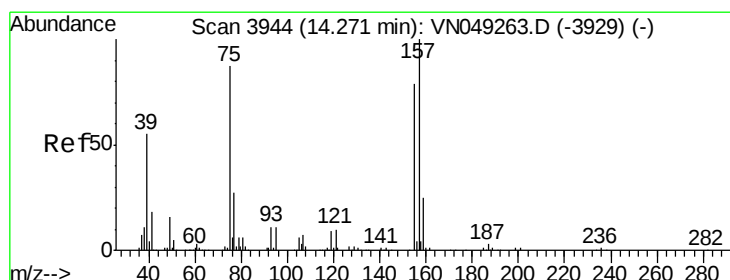
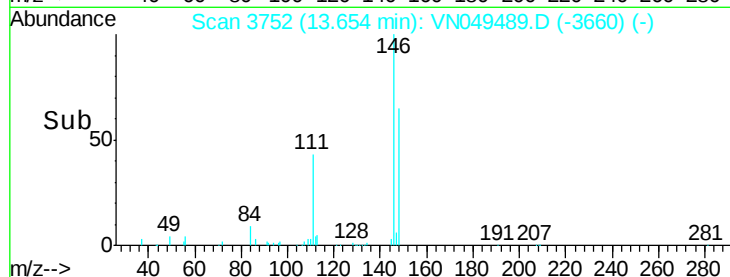
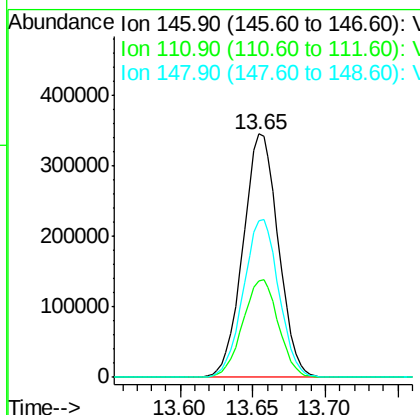
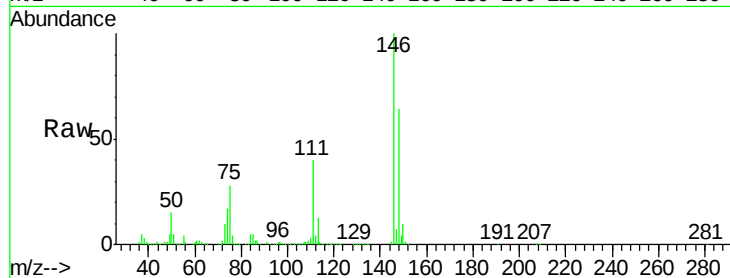
#91
 1,2-Dichlorobenzene
 Concen: 18.69 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	585119		
111	40.4		20.8	62.2
148	65.0		32.0	96.2

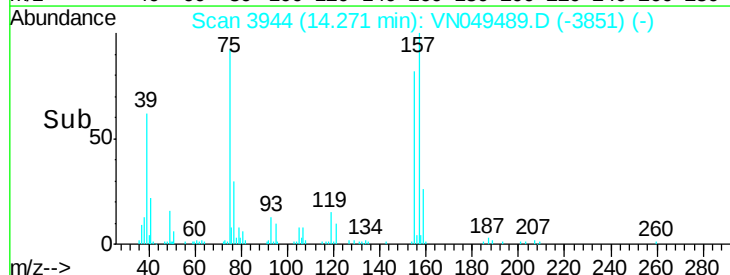
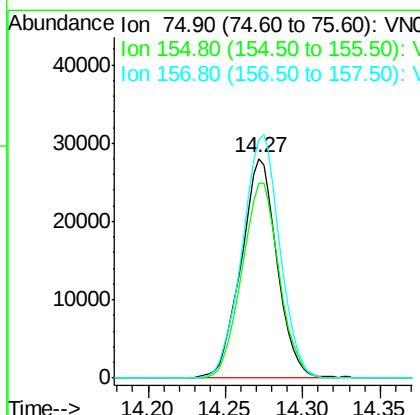
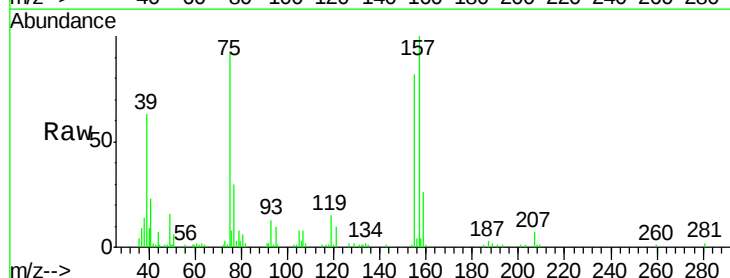
Manual Integrations
 APPROVED

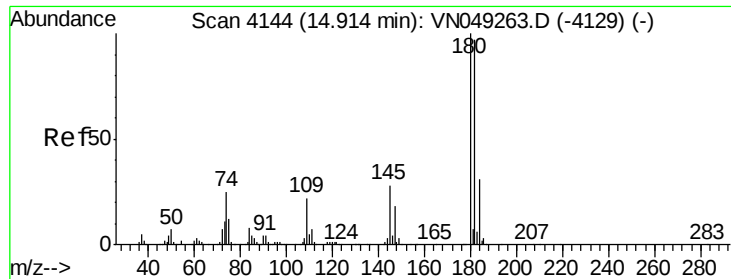
MMDadoda
 6/25/2018 4:23:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.76 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	45429		
155	91.9		38.8	116.3
157	115.5		51.0	153.1





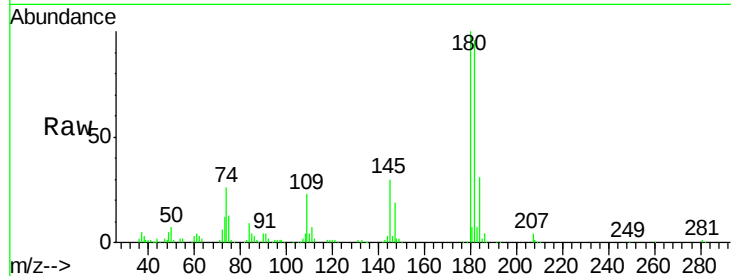
#93
 1,2,4-Trichlorobenzene
 Concen: 15.85 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD01

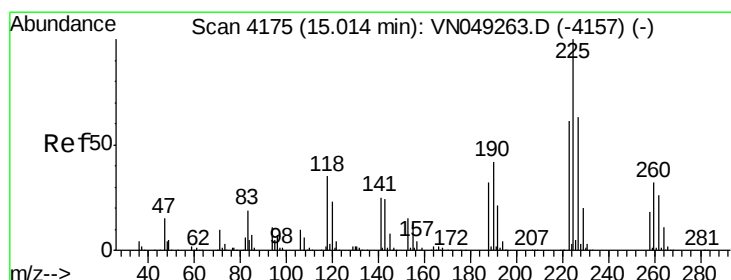
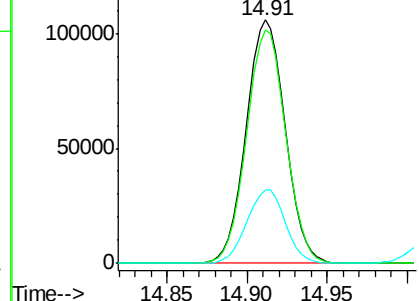
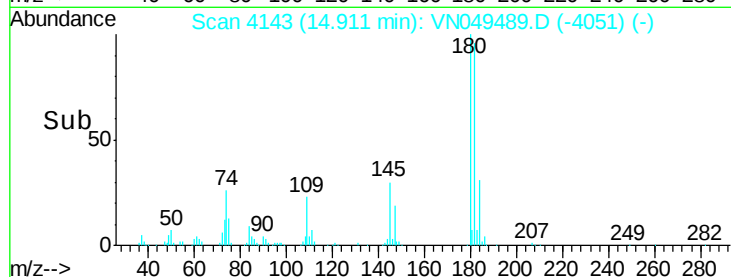
Tot Ion	Ratio	Resp	Lower	Upper
180	100	176083		
182	96.1	46.9	140.8	
145	29.6	14.7	44.1	

Manual Integrations
 APPROVED

MMDadoda
 6/25/2018 4:23:21 PM

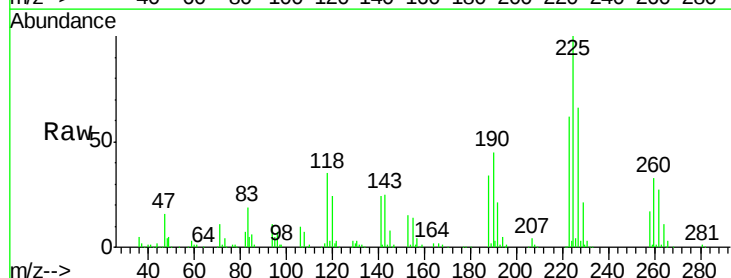


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

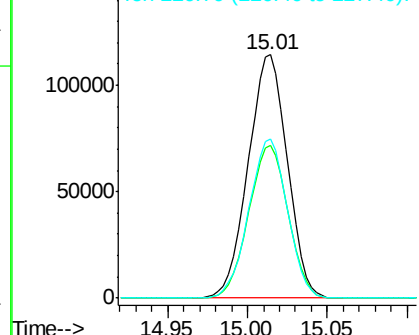
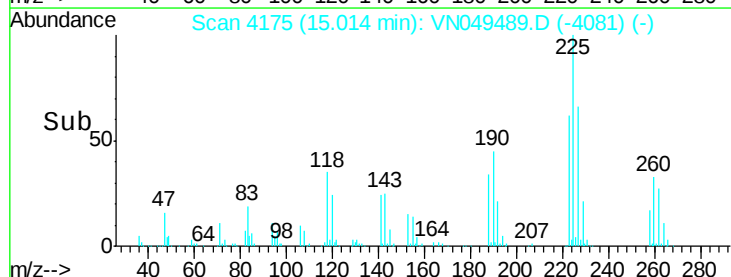


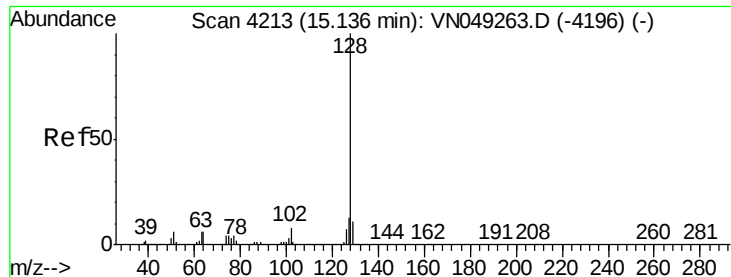
#94
 Hexachlorobutadiene
 Concen: 19.24 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	191550		
223	63.1	32.1	96.3	
227	64.4	31.8	95.3	



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





#95

Naphthalene

Concen: 16.26 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

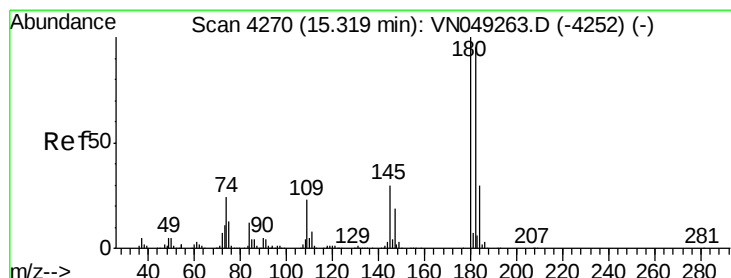
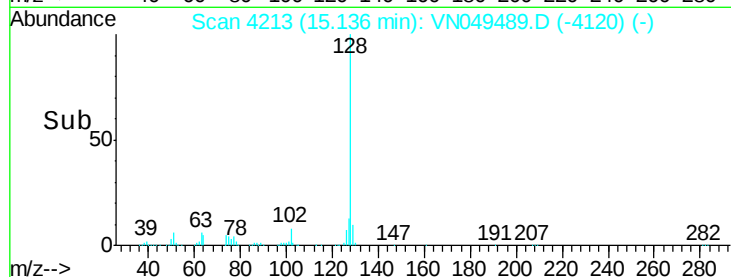
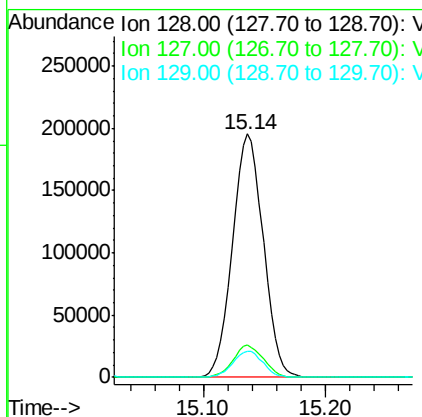
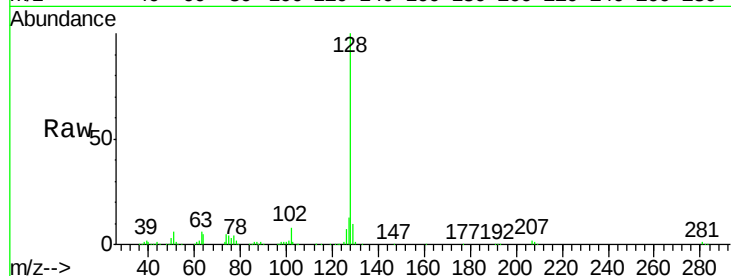
ClientSampleId :

VN0622WBSD01

Tot Ion:	128	Resp:	342562
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.5	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/25/2018 4:23:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.46 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Tgt Ion:	180	Resp:	196006
Ion Ratio	Lower	Upper	
180	100		
182	97.7	47.3	141.8
145	31.6	15.6	46.7

