

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049843.D
 Acq On : 17 Jul 2018 12:47
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 11:59:12 AM

Quant Time: Jul 17 13:09:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 13:00:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	677447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	979331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	928445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	509567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1082409	113.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.94%	
35) Dibromofluoromethane	7.59	113	963796	118.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	237.88%	
50) Toluene-d8	10.09	98	3631397	122.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	245.38%	
62) 4-Bromofluorobenzene	12.40	95	1298030	132.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	265.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	812676	111.49	ug/l	96
3) Chloromethane	2.06	50	1080957	115.82	ug/l	100
4) Vinyl Chloride	2.18	62	1196865	119.29	ug/l	100
5) Bromomethane	2.53	94	744136m	116.97	ug/l	
6) Chloroethane	2.68	64	743356	116.34	ug/l	100
7) Trichlorofluoromethane	3.00	101	1562813	115.31	ug/l	98
8) Diethyl Ether	3.41	74	614946	129.00	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	961522	118.68	ug/l	100
10) Methyl Iodide	3.95	142	1373814	138.20	ug/l	99
11) Tert butyl alcohol	4.81	59	547427	762.18	ug/l	99
12) 1,1-Dichloroethene	3.73	96	912871	125.69	ug/l	100
13) Acrolein	3.61	56	476302	882.67	ug/l	97
14) Allyl chloride	4.32	41	1564813	137.54	ug/l	99
15) Acrylonitrile	5.00	53	2193065	718.39	ug/l	99
16) Acetone	3.82	43	1703595	660.73	ug/l	100
17) Carbon Disulfide	4.05	76	2694743	121.28	ug/l	99
18) Methyl Acetate	4.33	43	1087350	109.83	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2901405	146.42	ug/l	99
20) Methylene Chloride	4.55	84	1050423	116.14	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	1004038	131.66	ug/l	99
22) Diisopropyl ether	5.96	45	3264846	144.70	ug/l	95
23) Vinyl Acetate	5.90	43	12400415	752.02	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1862972	126.16	ug/l	100
25) 2-Butanone	6.84	43	2751461	733.99	ug/l	100
26) 2,2-Dichloropropane	6.83	77	1436633	128.07	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1156940	136.00	ug/l	98
28) Bromochloromethane	7.20	49	782222	112.31	ug/l	98
29) Tetrahydrofuran	7.22	42	1773815	746.24	ug/l	99
30) Chloroform	7.37	83	1907756	124.99	ug/l	98
31) Cyclohexane	7.65	56	1645475	115.80	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1660852	128.63	ug/l	99
36) 1,1-Dichloropropene	7.80	75	1450379	138.13	ug/l	100
37) Ethyl Acetate	6.94	43	1140594	147.13	ug/l	99
38) Carbon Tetrachloride	7.78	117	1471198	132.09	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1612463	151.32	ug/l	100
40) Benzene	8.04	78	4363609	136.90	ug/l	100
41) Methacrylonitrile	7.18	41	579544	145.28	ug/l	93
42) 1,2-Dichloroethane	8.13	62	1412068	129.14	ug/l	100
43) Isopropyl Acetate	8.17	43	2002535	152.76	ug/l	96
44) Trichloroethene	8.84	130	1130314	134.41	ug/l	100
45) 1,2-Dichloropropane	9.12	63	1144422	134.39	ug/l	99
46) Dibromomethane	9.21	93	730533	134.47	ug/l	99
47) Bromodichloromethane	9.41	83	1514568	137.68	ug/l	98
48) Methyl methacrylate	9.20	41	1031111	159.89	ug/l	98
49) 1,4-Dioxane	9.20	88	304454	3097.08	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	5967953	776.13	ug/l	99
52) Toluene	10.16	92	2747855	145.20	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1660808	158.20	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1789685	150.64	ug/l	100
55) 1,1,2-Trichloroethane	10.57	97	1061599	135.18	ug/l	99
56) Ethyl methacrylate	10.43	69	1577734	172.93	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1773513	140.19	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3921476	921.90	ug/l	100
59) 2-Hexanone	10.76	43	4280456	819.76	ug/l	99
60) Dibromochloromethane	10.90	129	1230644	141.77	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1091612	143.08	ug/l	98
64) Tetrachloroethene	10.63	164	1068384	132.70	ug/l	99
65) Chlorobenzene	11.44	112	3009942	134.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1141431	132.43	ug/l	99
67) Ethyl Benzene	11.52	91	5323014	150.52	ug/l	99
68) m/p-Xylenes	11.62	106	4038191	300.95	ug/l	99
69) o-Xylene	11.95	106	1964686	154.18	ug/l	97
70) Styrene	11.97	104	3291608	160.46	ug/l	100
71) Bromoform	12.13	173	940010	143.35	ug/l	100
73) Isopropylbenzene	12.25	105	5204075	139.37	ug/l	100
74) N-amyl acetate	12.07	43	1814563	148.60	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1453511	118.53	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	1315561m	128.85	ug/l	
77) Bromobenzene	12.53	156	1358493	131.55	ug/l	96
78) n-propylbenzene	12.60	91	5975333	142.75	ug/l	99
79) 2-Chlorotoluene	12.68	91	3523615	135.19	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	4192221	144.02	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	470783	155.47	ug/l	97
82) 4-Chlorotoluene	12.78	91	3615030	141.37	ug/l	100
83) tert-Butylbenzene	13.00	119	3651823	142.96	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	4307604	145.33	ug/l	100
85) sec-Butylbenzene	13.17	105	4940516	143.92	ug/l	100
86) p-Isopropyltoluene	13.29	119	4358739	151.44	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	2406561	136.32	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	2344303	134.99	ug/l	99
89) n-Butylbenzene	13.62	91	3697214	157.72	ug/l	99
90) Hexachloroethane	13.88	117	830306	124.62	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	2299413	126.69	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	246641	120.23	ug/l	95

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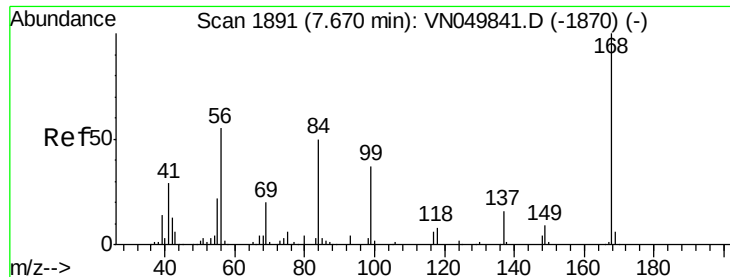
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1349458	176.46	ug/l	99
94) Hexachlorobutadiene	15.01	225	701483	123.25	ug/l	100
95) Naphthalene	15.14	128	3537495	198.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1334375	162.54	ug/l	99

(#) = 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: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 677447

Ion Ratio Lower Upper

168 100

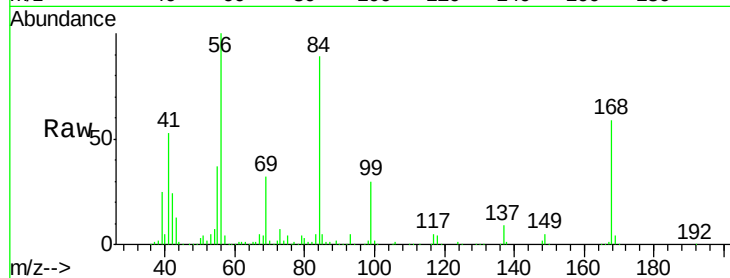
99 50.4 40.6 61.0

Manual Integrations

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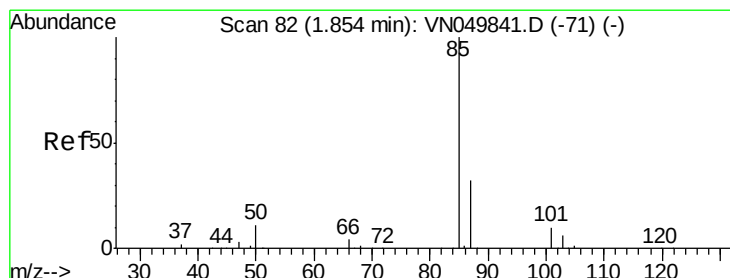
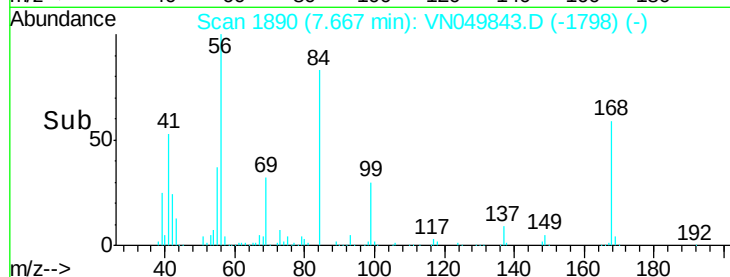
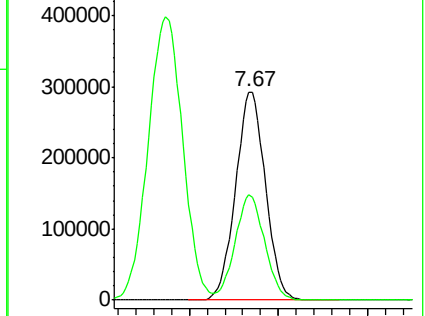
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 111.49 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049843.D

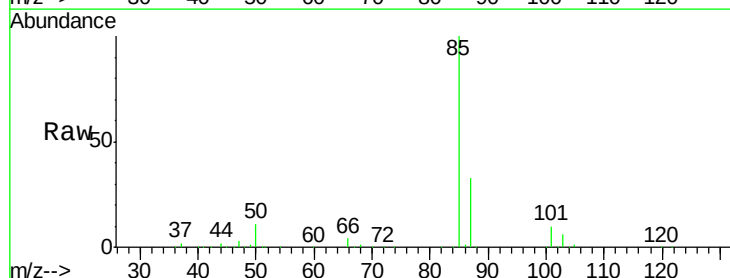
Acq: 17 Jul 2018 12:47

Tgt Ion: 85 Resp: 812676

Ion Ratio Lower Upper

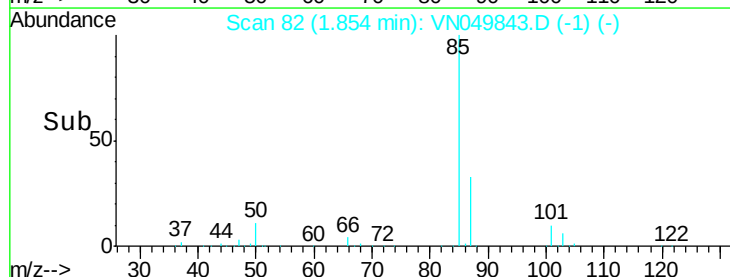
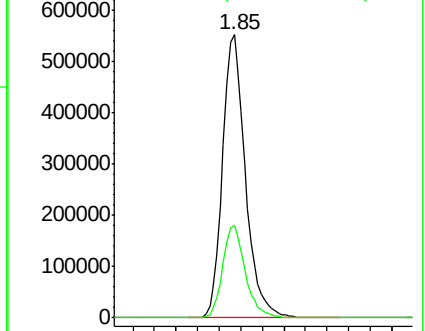
85 100

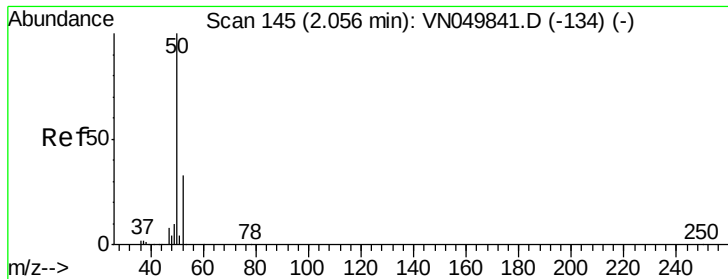
87 32.8 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 115.82 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1080957

Ion Ratio Lower Upper

50 100

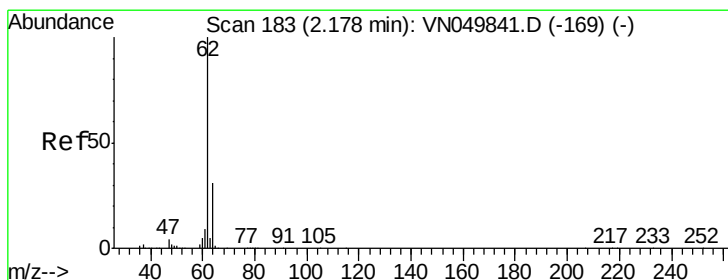
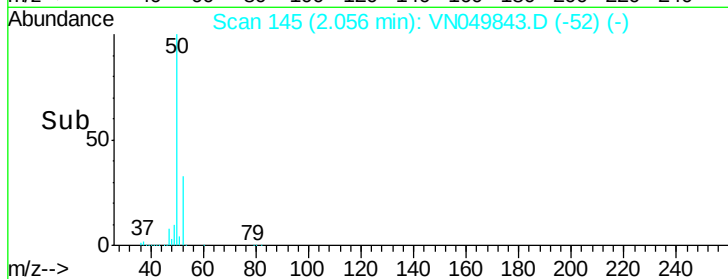
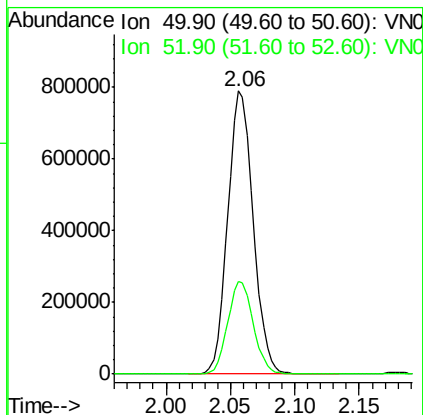
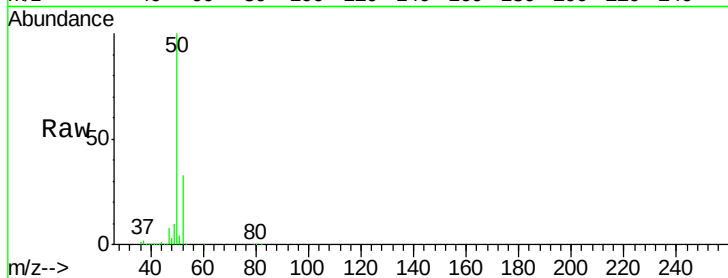
52 32.8 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 119.29 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN049843.D

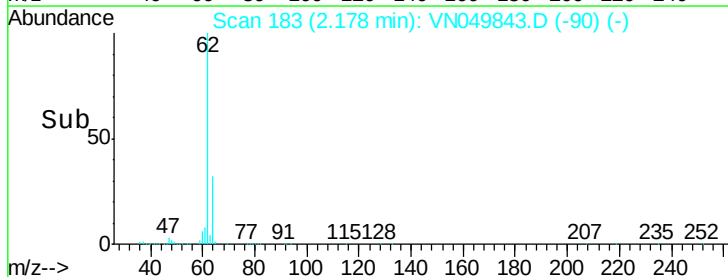
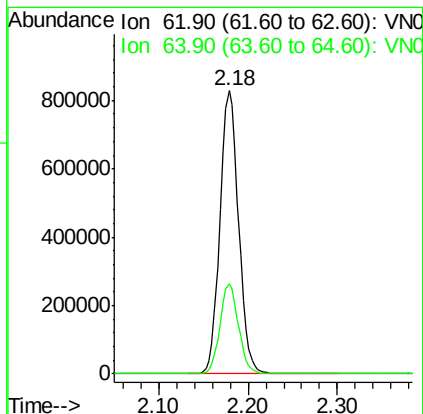
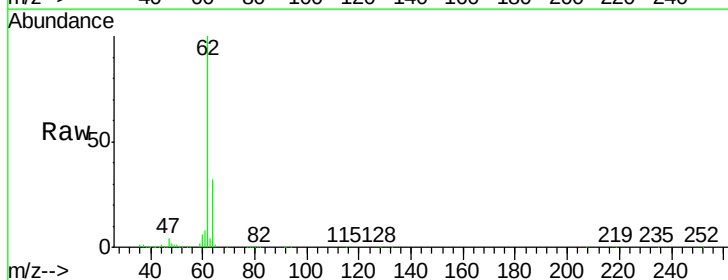
Acq: 17 Jul 2018 12:47

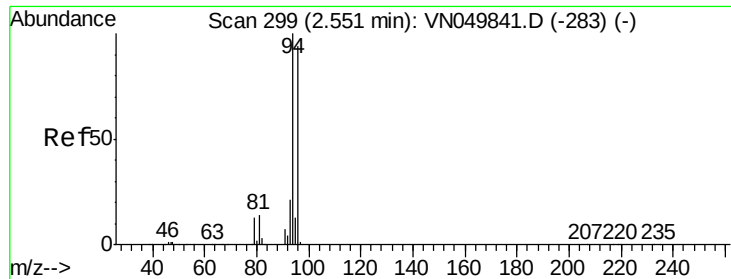
Tgt Ion: 62 Resp: 1196865

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 116.97 ug/l m

RT: 2.53 min Scan# 292

Delta R.T. -0.02 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 744136

Ion Ratio Lower Upper

94 100

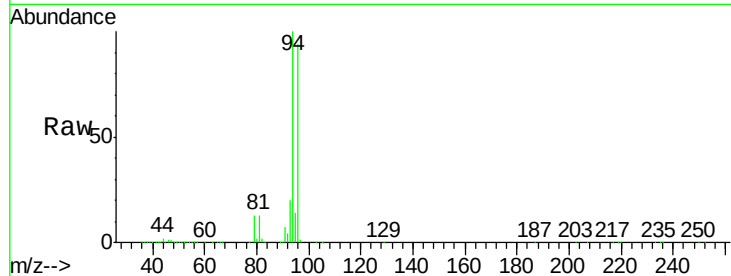
96 93.8 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

400000

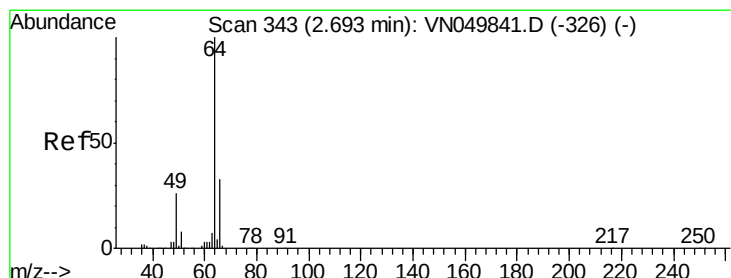
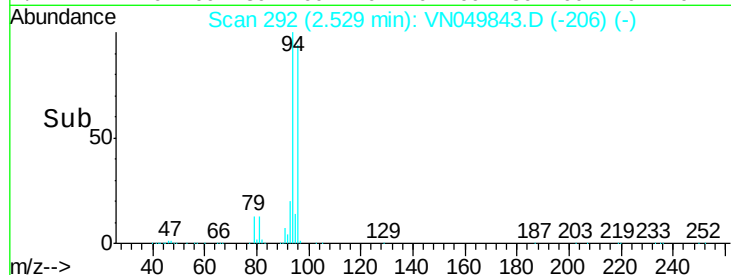
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 116.34 ug/l

RT: 2.68 min Scan# 338

Delta R.T. -0.02 min

Lab File: VN049843.D

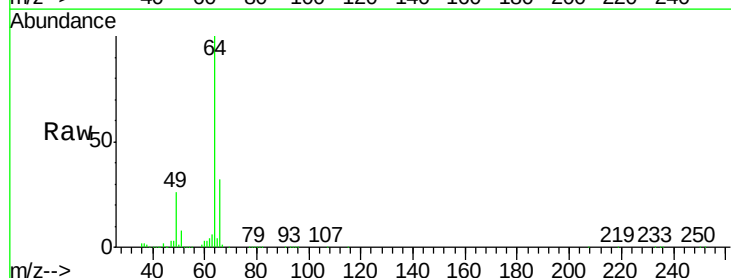
Acq: 17 Jul 2018 12:47

Tgt Ion: 64 Resp: 743356

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

400000

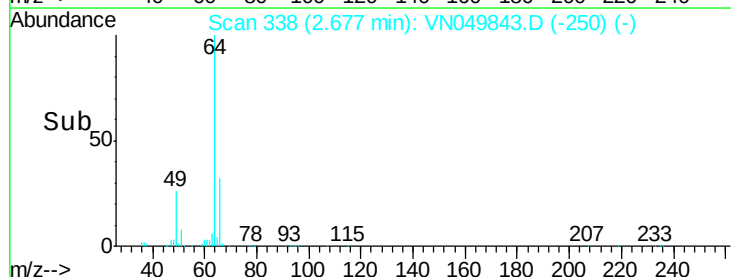
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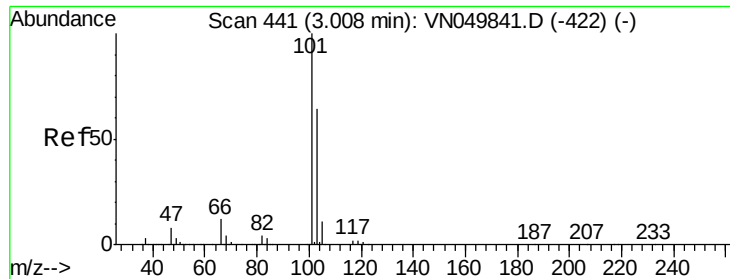
200000

100000

0

Time-->





#7

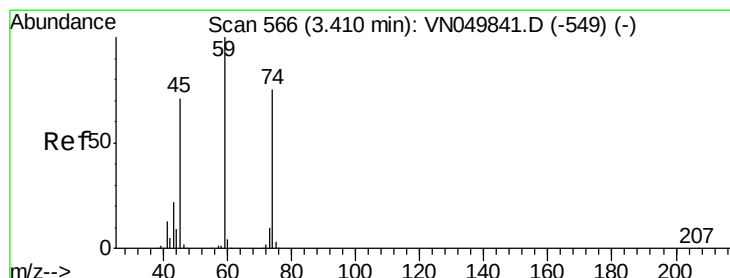
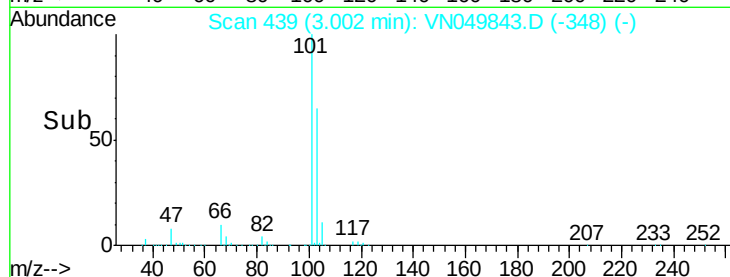
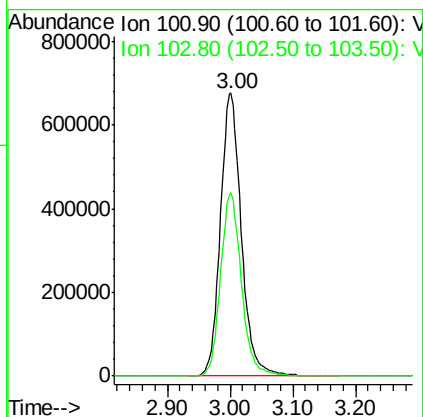
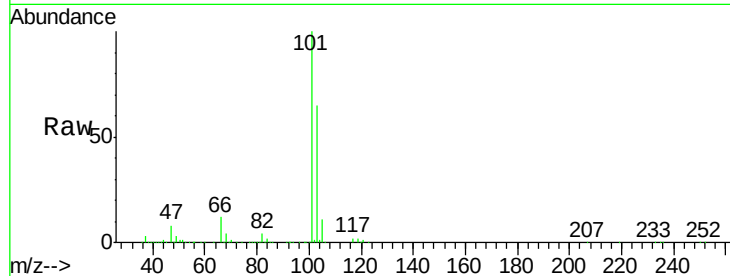
Trichlorofluoromethane
 Concen: 115.31 ug/l
 RT: 3.00 min Scan# 439
 Delta R.T. -0.01 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1562813
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.8 79.2

Manual Integrations
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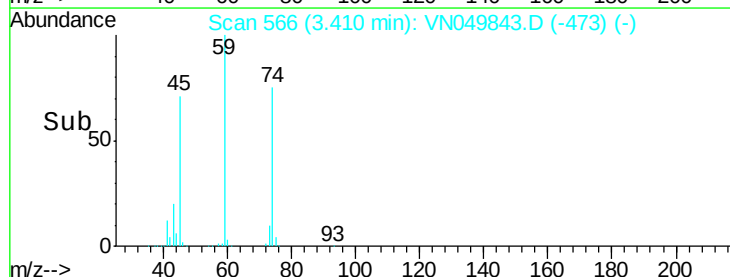
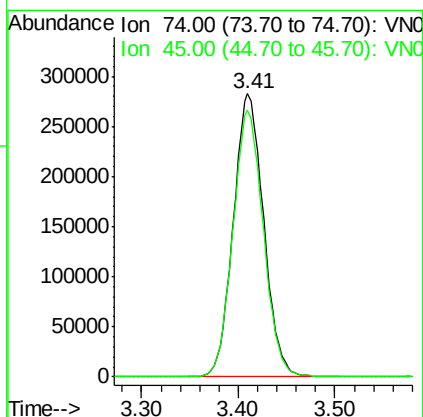
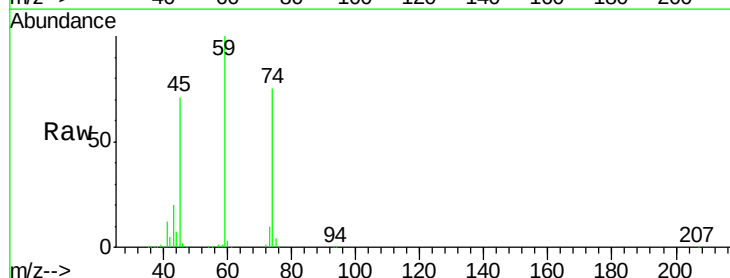
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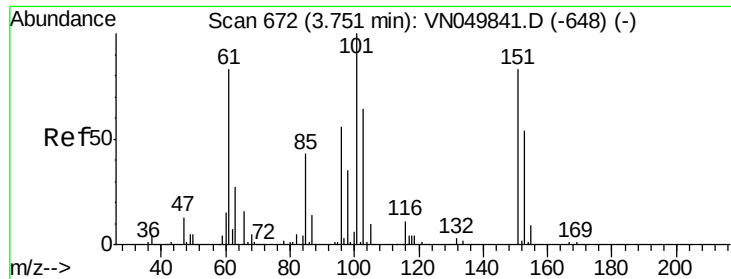


#8

Diethyl Ether
 Concen: 129.00 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Tgt Ion: 74 Resp: 614946
 Ion Ratio Lower Upper
 74 100
 45 94.5 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 118.68 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

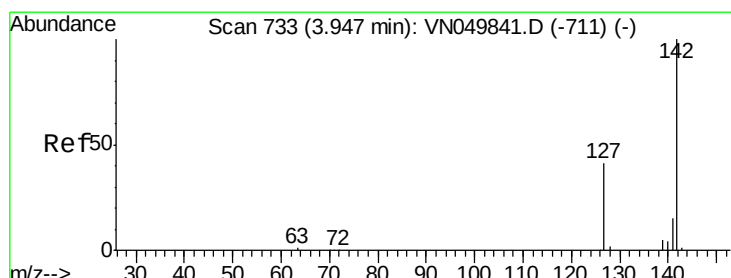
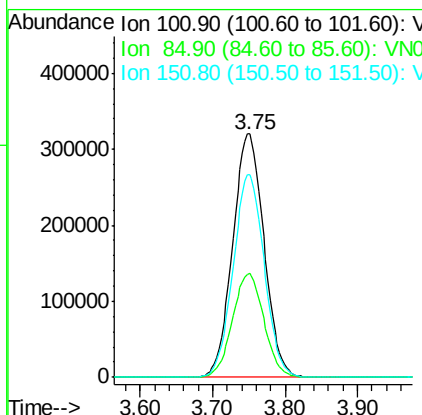
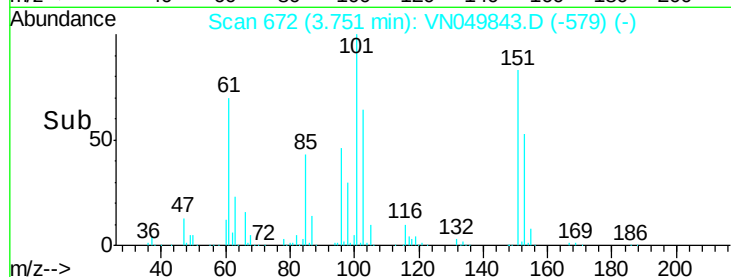
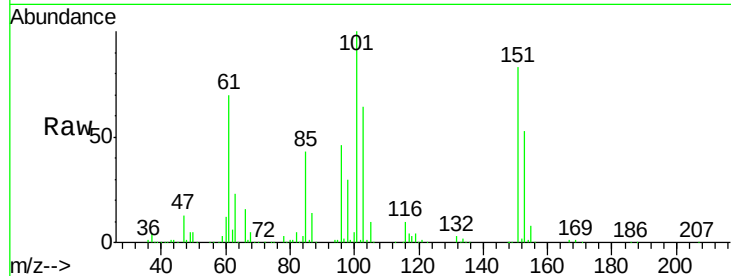
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	961522
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.4	51.6
151	82.7	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 138.20 ug/l

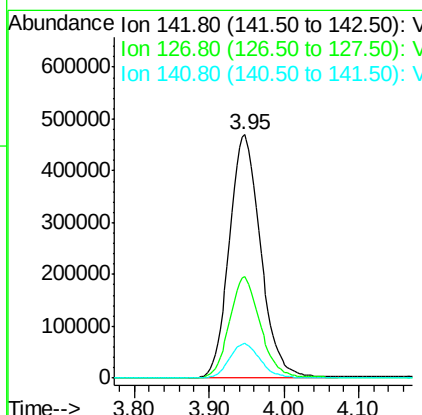
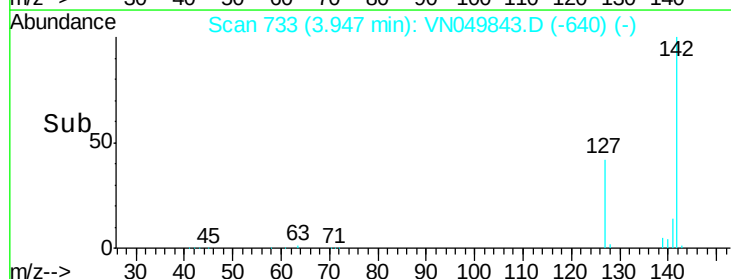
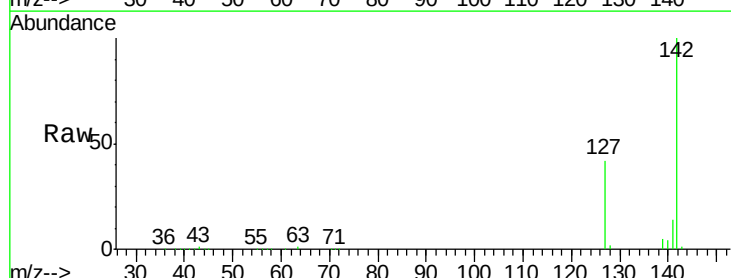
RT: 3.95 min Scan# 733

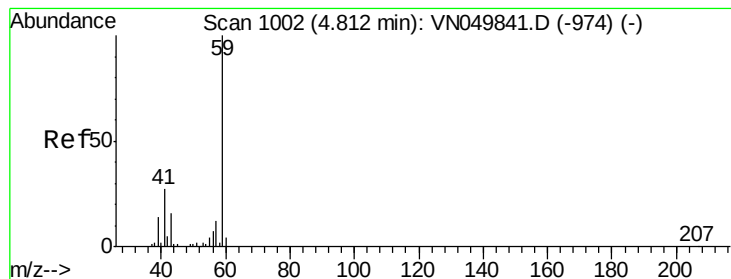
Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Tgt Ion:	142	Resp:	1373814
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.5	48.7
141	14.1	11.1	16.7





#11

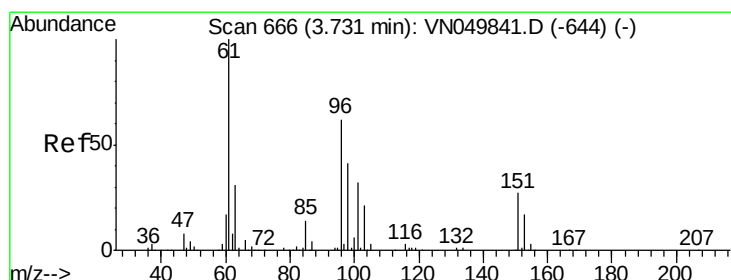
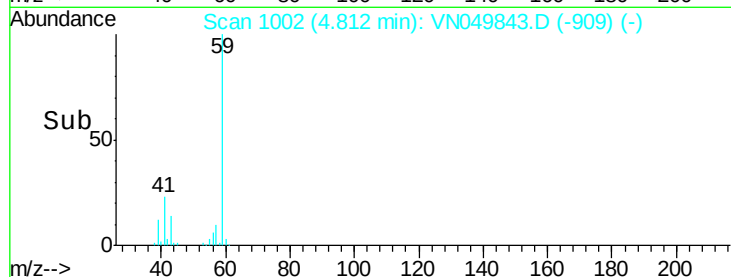
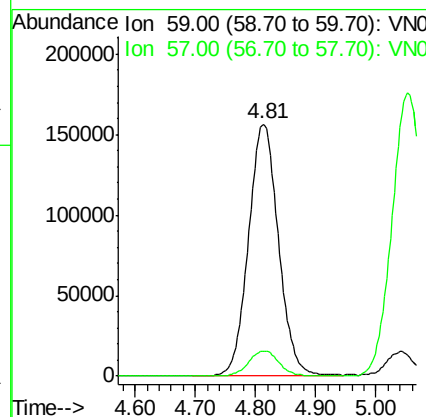
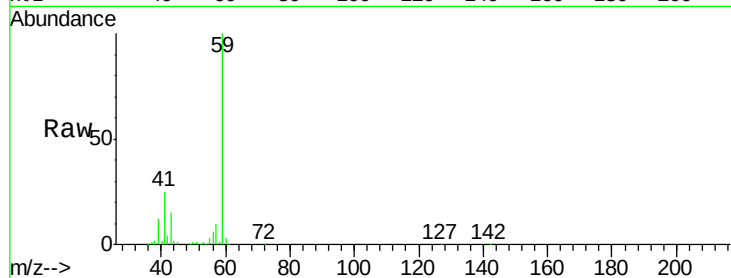
Tert butyl alcohol
Concen: 762.18 ug/l
RT: 4.81 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Manual Integrations
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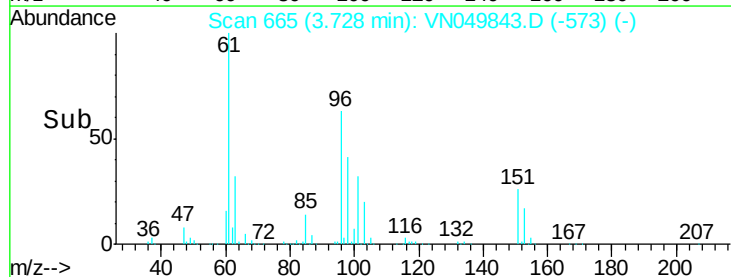
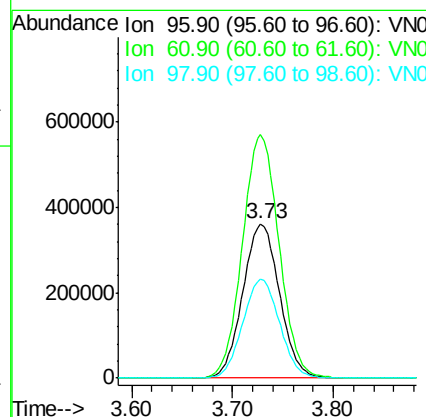
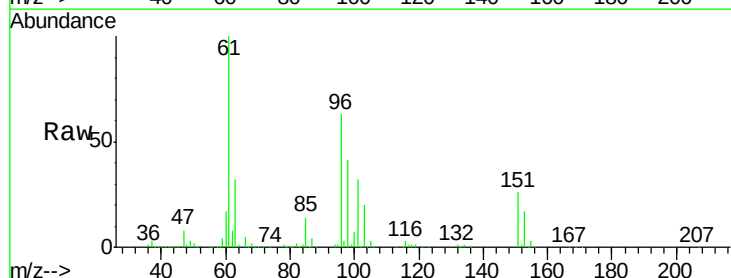
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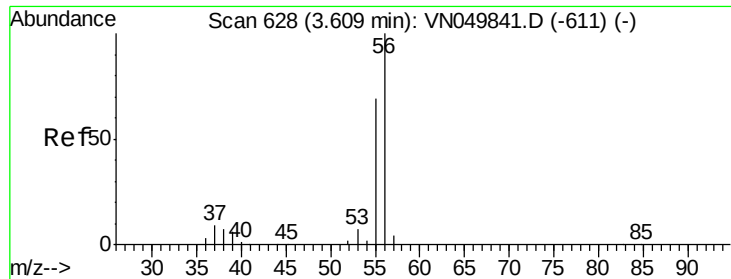


#12

1,1-Dichloroethene
Concen: 125.69 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	126.5	189.7
98	64.1	51.0	76.6





#13

Acrolein

Concen: 882.67 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 476302

Ion Ratio Lower Upper

56 100

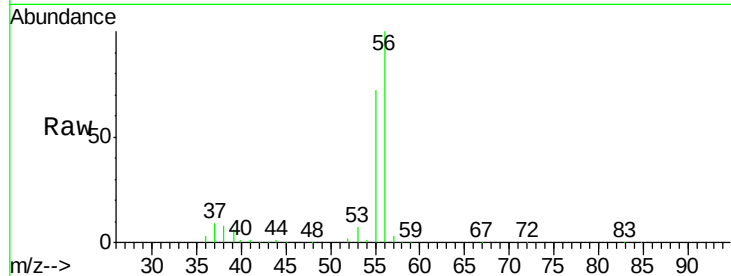
55 72.0 55.8 83.8

Manual Integrations

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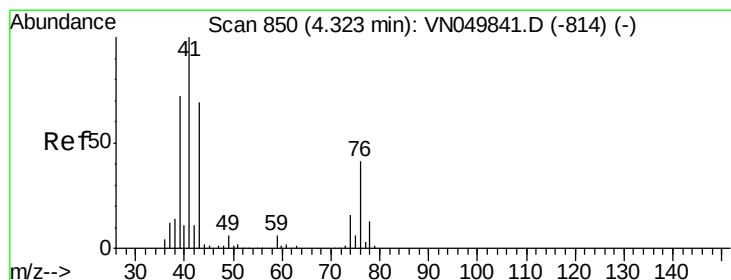
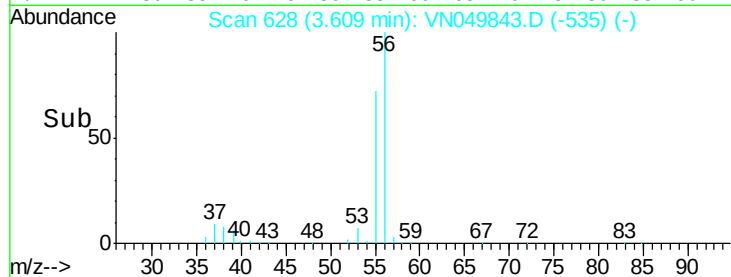
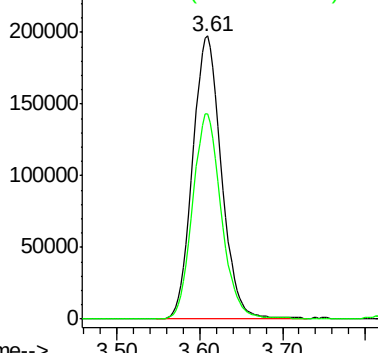
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 137.54 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

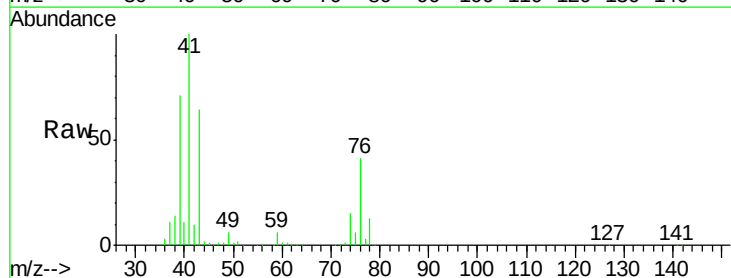
Tgt Ion: 41 Resp: 1564813

Ion Ratio Lower Upper

41 100

39 65.6 53.2 79.8

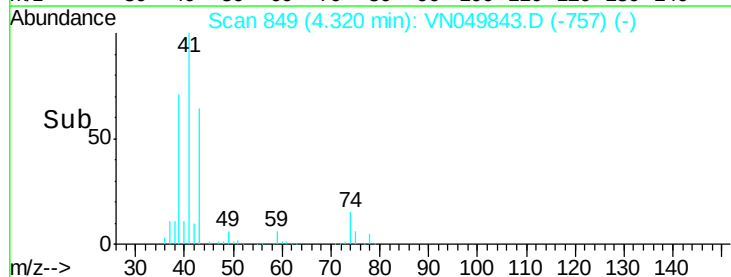
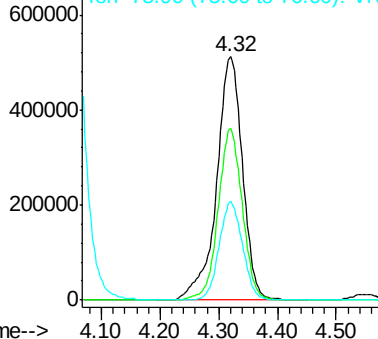
76 36.3 29.0 43.6

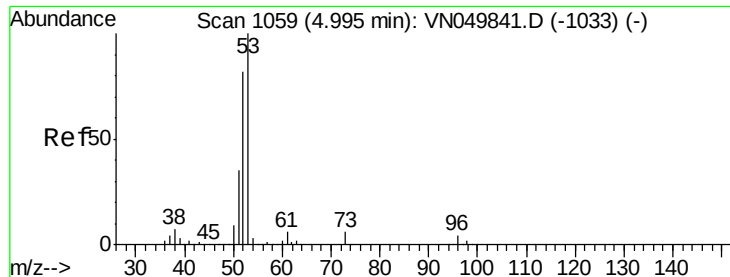


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 718.39 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 53 Resp: 2193065

Ion Ratio Lower Upper

53 100

52 82.3 64.8 97.2

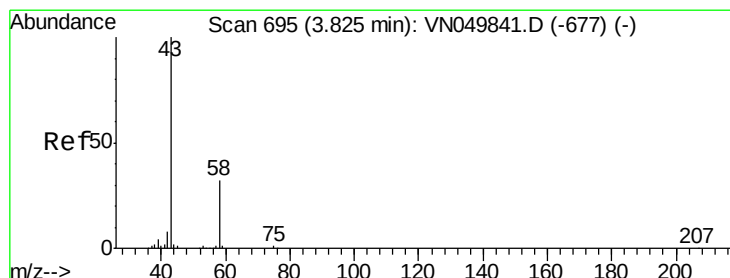
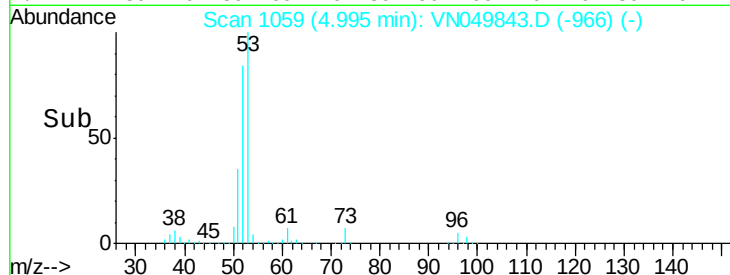
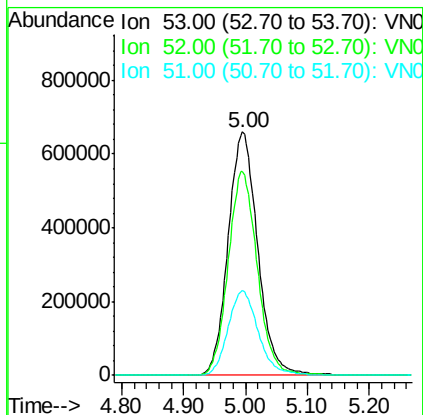
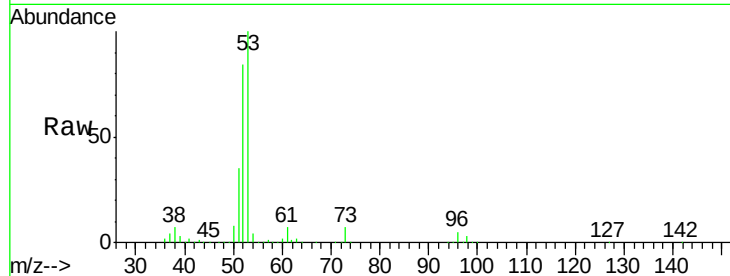
51 35.8 28.9 43.3

Manual Integrations

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#16

Acetone

Concen: 660.73 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049843.D

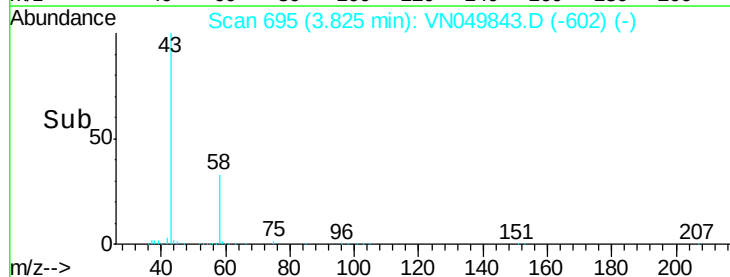
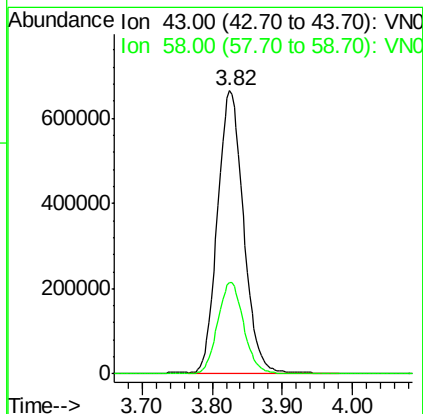
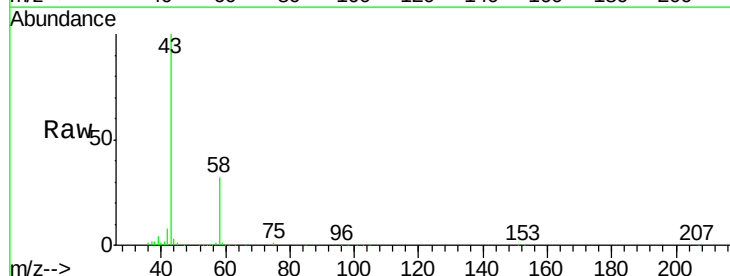
Acq: 17 Jul 2018 12:47

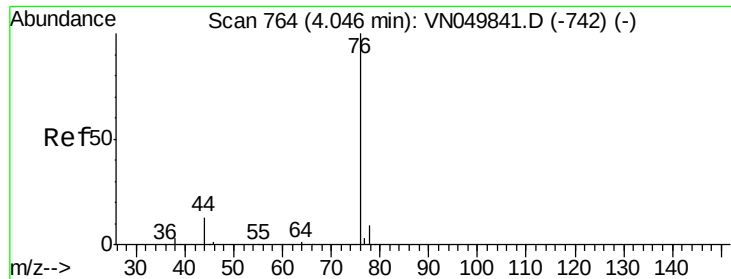
Tgt Ion: 43 Resp: 1703595

Ion Ratio Lower Upper

43 100

58 32.4 25.9 38.9





#17

Carbon Disulfide

Concen: 121.28 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 2694743

Ion Ratio Lower Upper

76 100

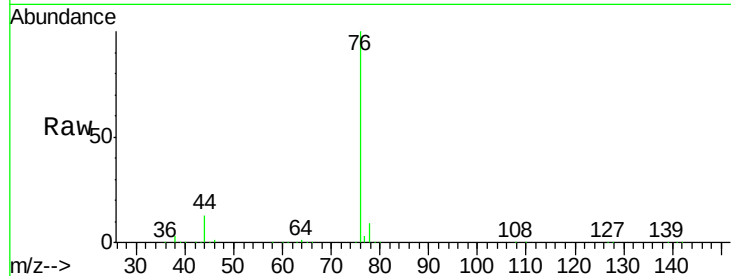
78 9.4 7.1 10.7

Manual Integrations

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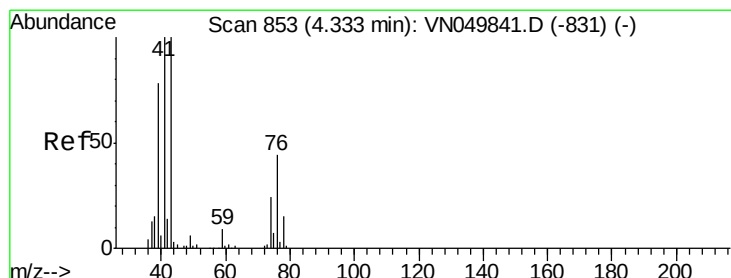
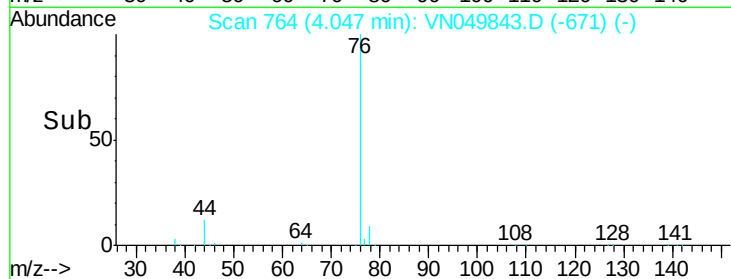
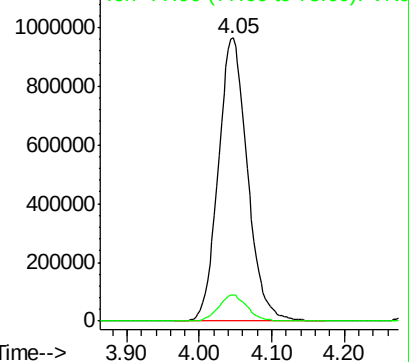
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 109.83 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN049843.D

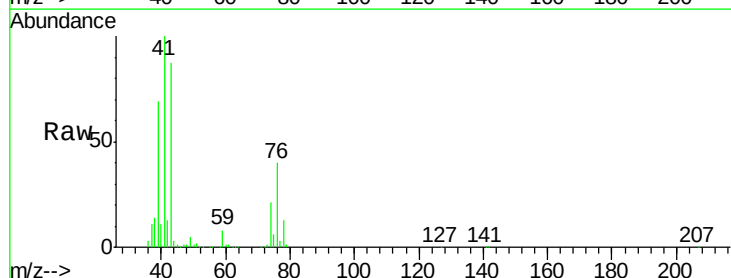
Acq: 17 Jul 2018 12:47

Tgt Ion: 43 Resp: 1087350

Ion Ratio Lower Upper

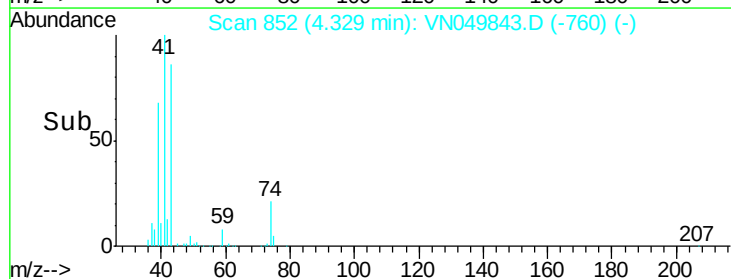
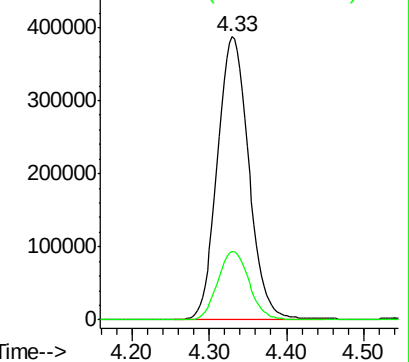
43 100

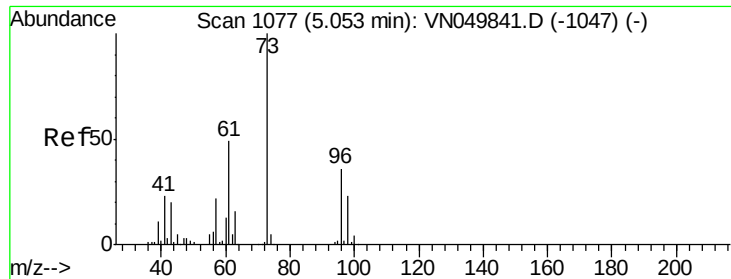
74 24.4 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





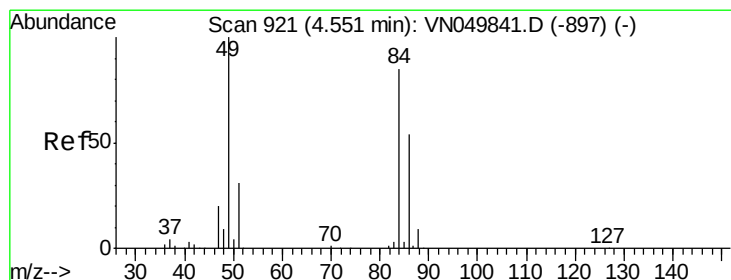
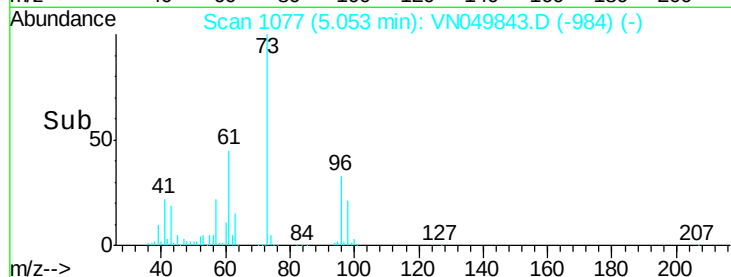
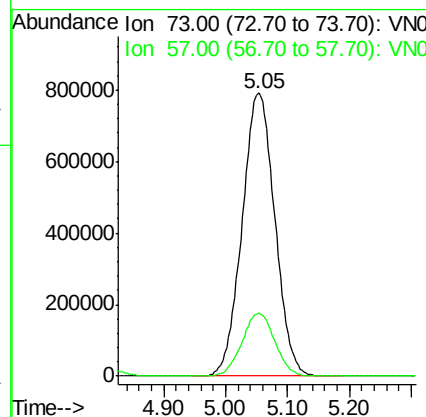
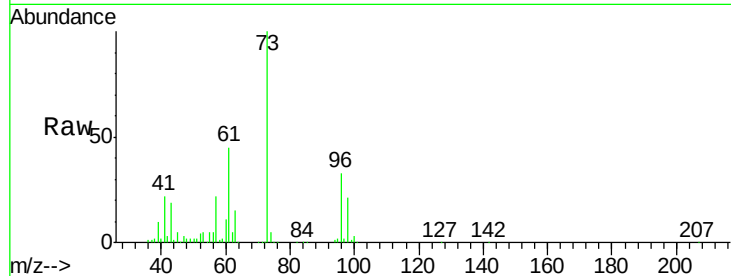
#19
Methvl tert-butyl Ether
Concen: 146.42 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 2901405
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1

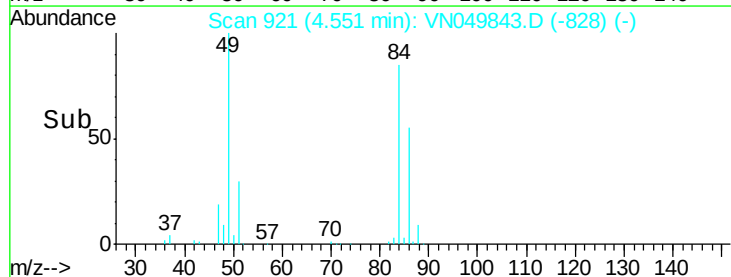
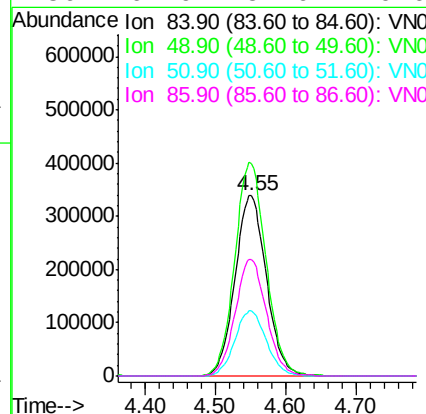
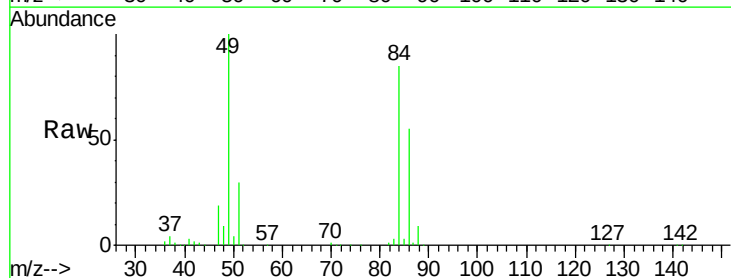
Manual Integrations
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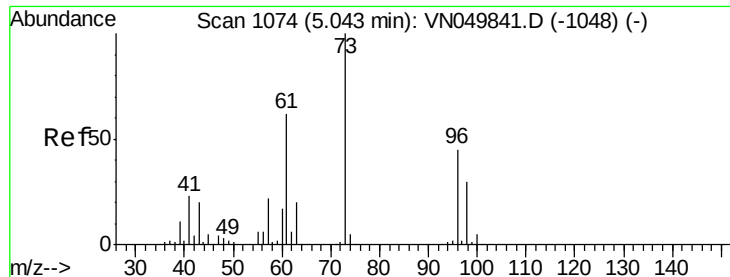
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#20
Methylene Chloride
Concen: 116.14 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion: 84 Resp: 1050423
Ion Ratio Lower Upper
84 100
49 118.2 95.4 143.2
51 36.0 28.4 42.6
86 64.9 52.6 79.0





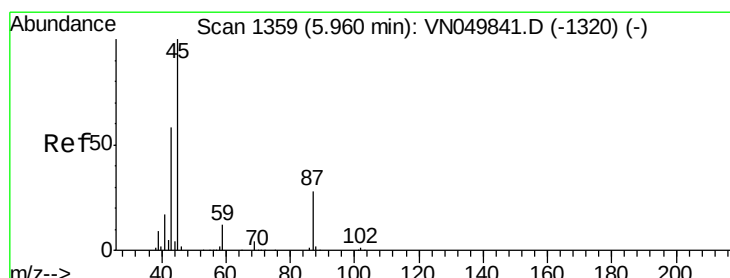
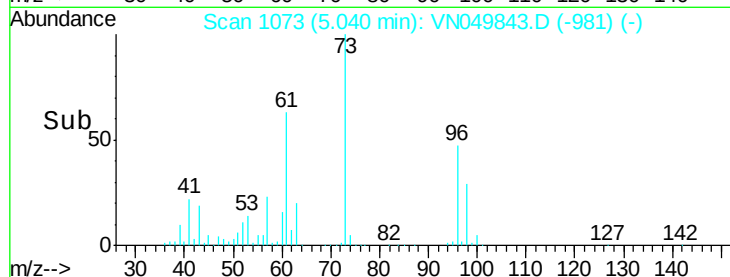
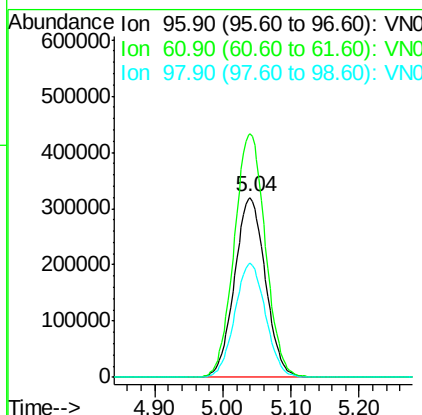
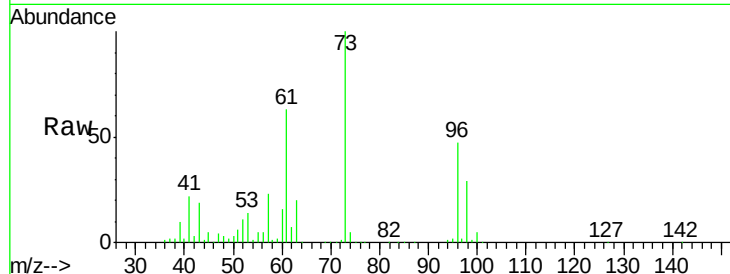
#21
trans-1,2-Dichloroethene
Concen: 131.66 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 1004038
Ion Ratio Lower Upper
96 100
61 135.4 109.0 163.6
98 63.3 51.1 76.7

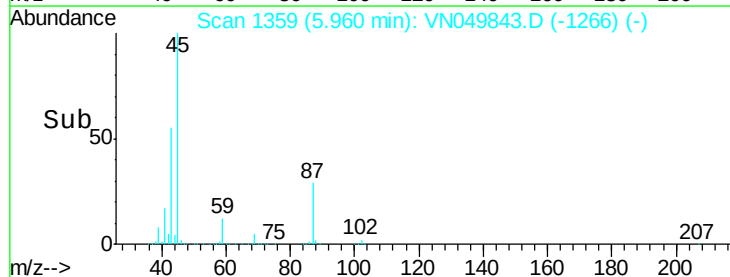
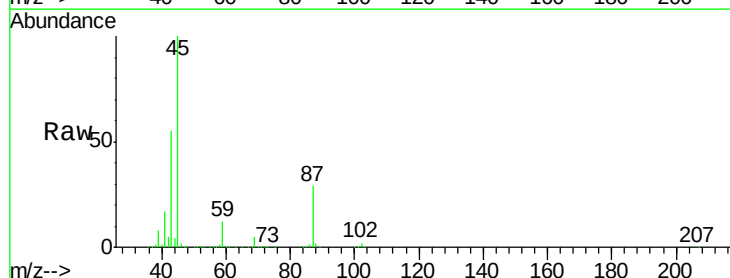
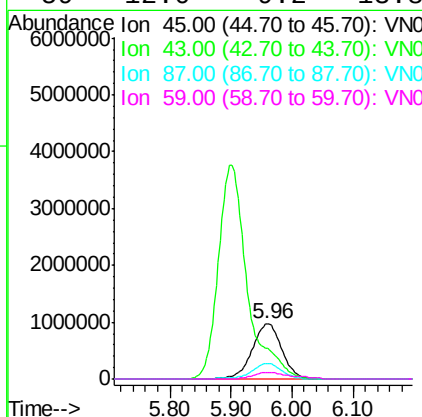
Manual Integrations
APPROVED

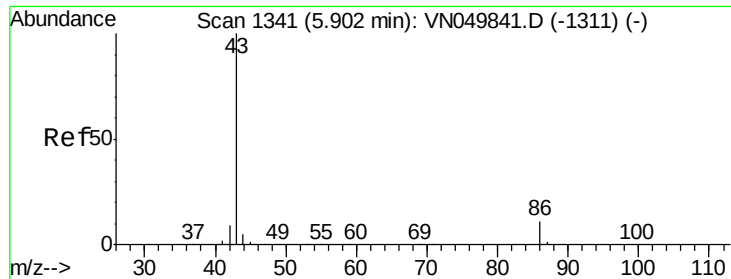
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#22
Diisopropyl ether
Concen: 144.70 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion: 45 Resp: 3264846
Ion Ratio Lower Upper
45 100
43 54.4 48.1 72.1
87 28.5 22.6 34.0
59 12.0 9.2 13.8





#23

Vinyl Acetate

Concen: 752.02 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Tot Ion: 43 Resp: 12400415

Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6

Instrument :

MSVOA_N

ClientSampled :

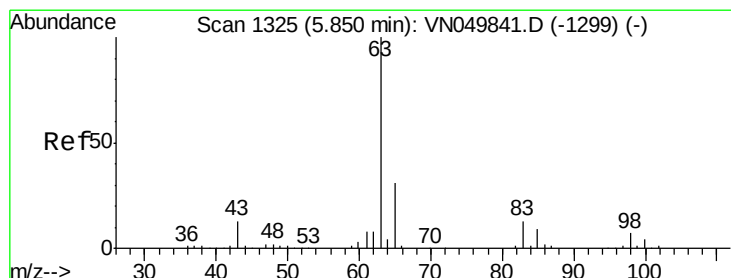
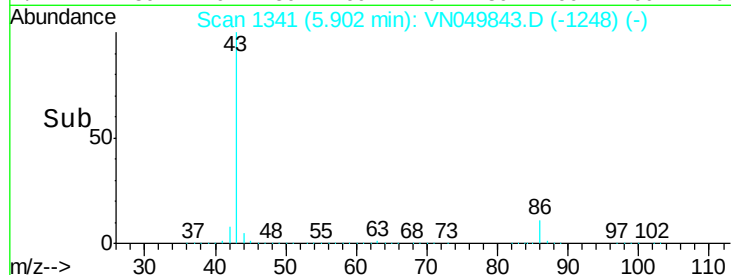
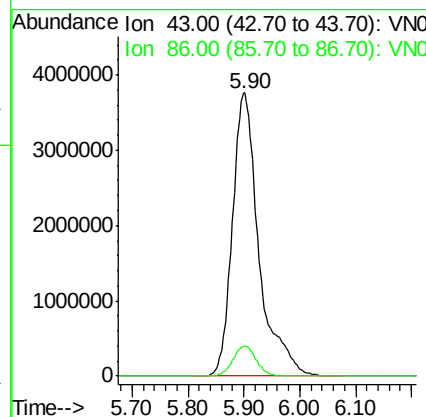
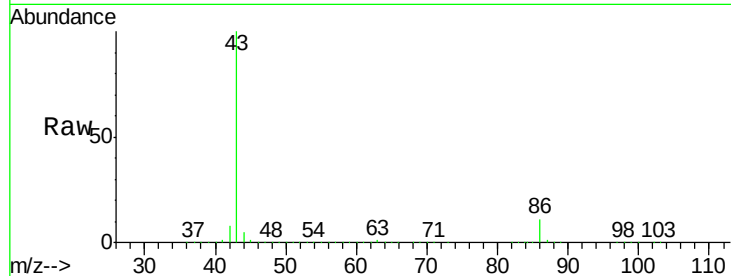
VSTDIC150

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#24

1,1-Dichloroethane

Concen: 126.16 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

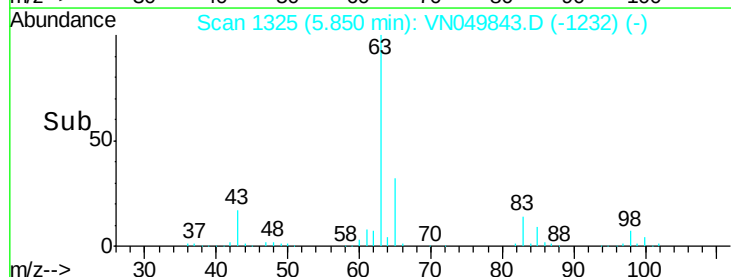
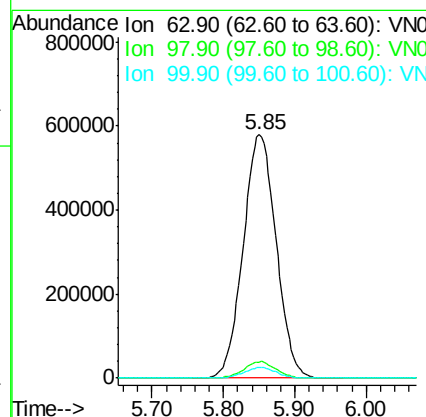
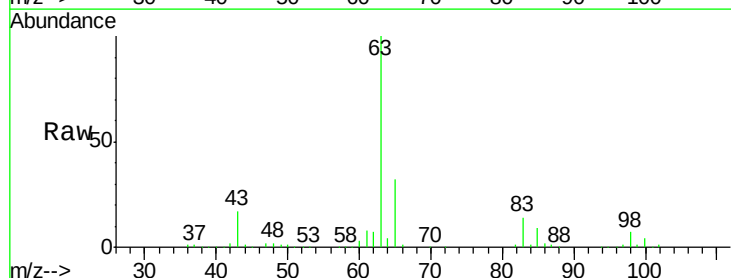
Tgt Ion: 63 Resp: 1862972

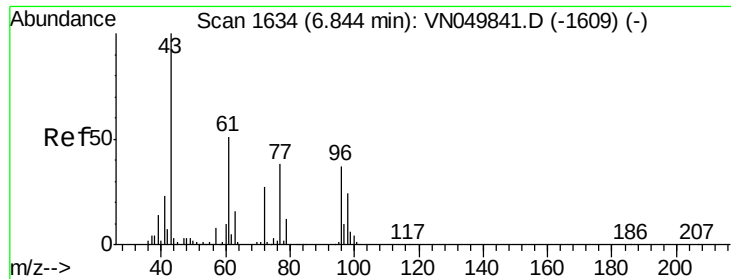
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 733.99 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Tot Ion: 43 Resp: 2751461

Ion Ratio Lower Upper

43 100

72 27.5 22.1 33.1

Instrument :

MSVOA_N

ClientSampleId :

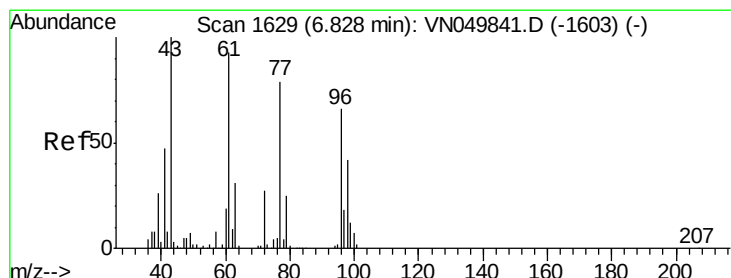
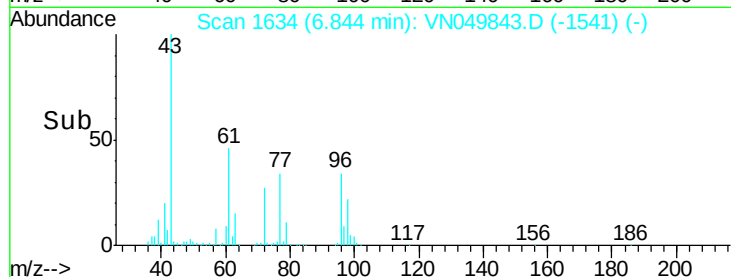
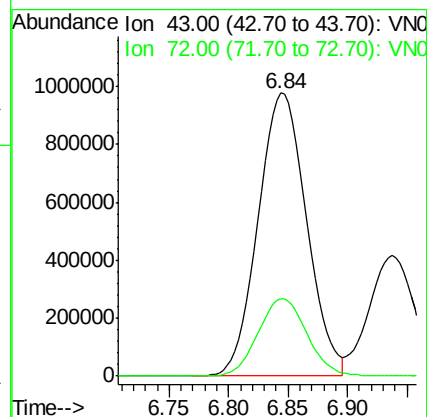
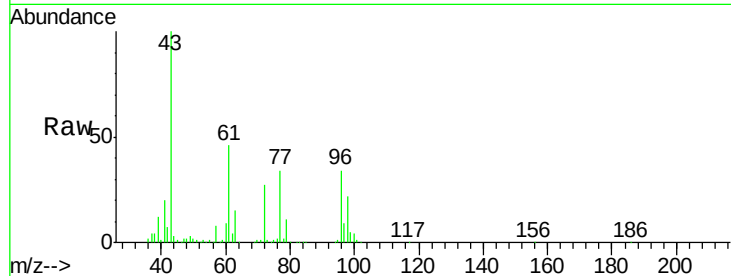
VSTDIC150

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 128.07 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049843.D

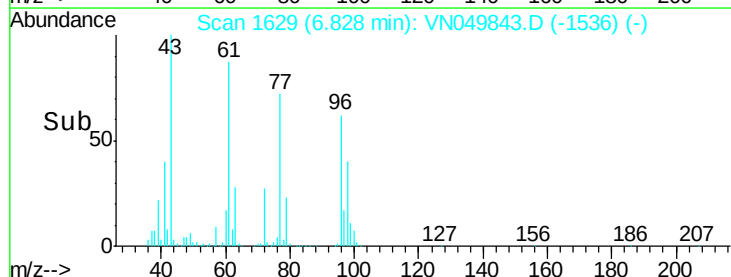
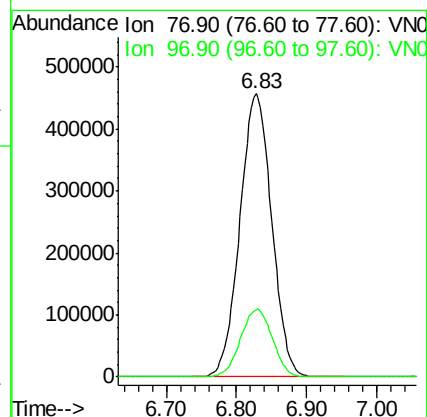
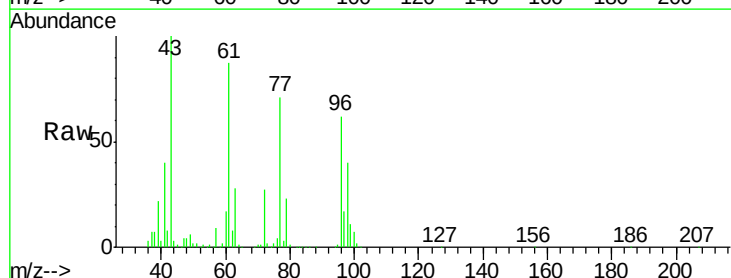
Acq: 17 Jul 2018 12:47

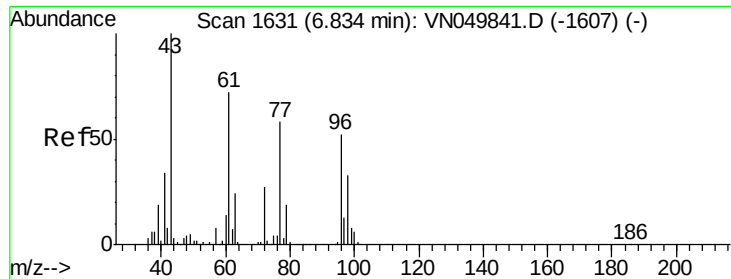
Tgt Ion: 77 Resp: 1436633

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 136.00 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 96 Resp: 1156940

Ion Ratio Lower Upper

96 100

61 141.0 0.0 289.0

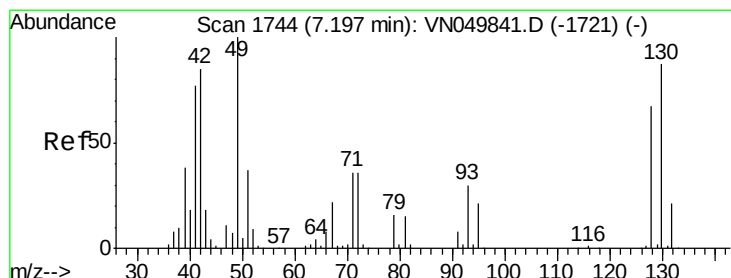
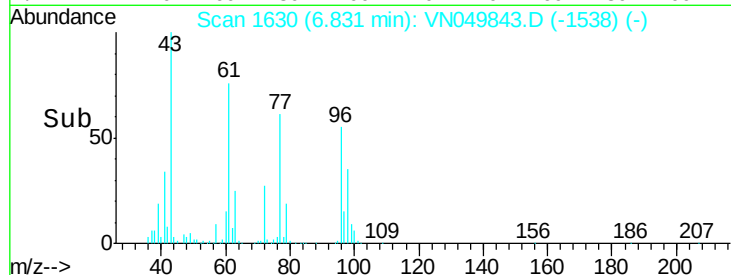
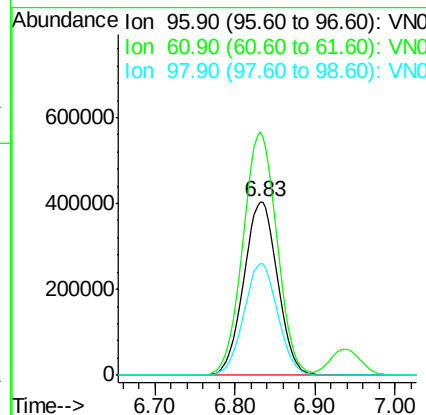
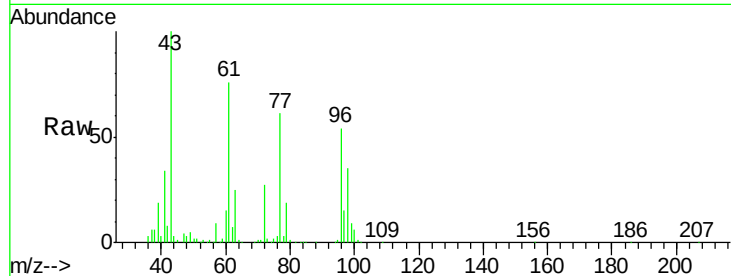
98 64.5 0.0 130.2

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#28

Bromochloromethane

Concen: 112.31 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

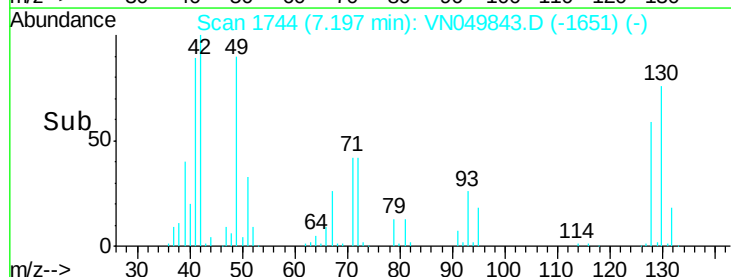
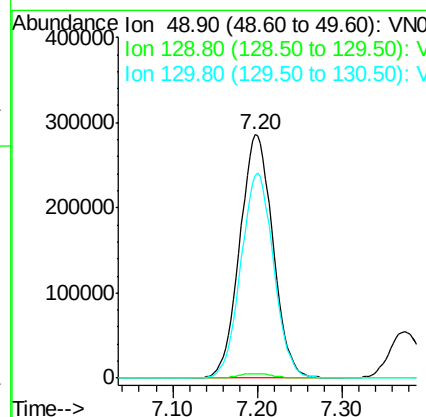
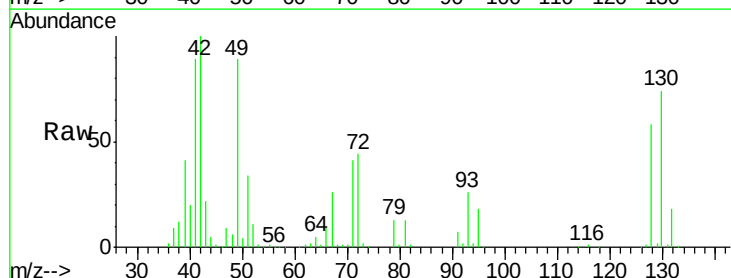
Tgt Ion: 49 Resp: 782222

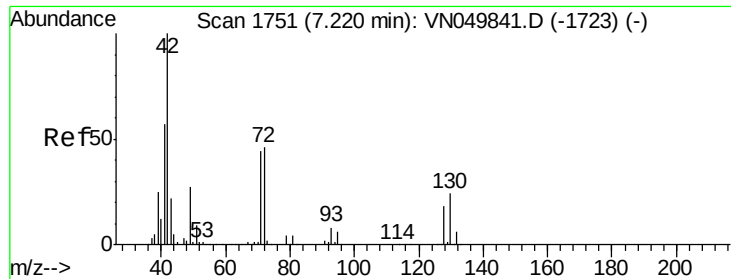
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

130 83.3 65.5 98.3





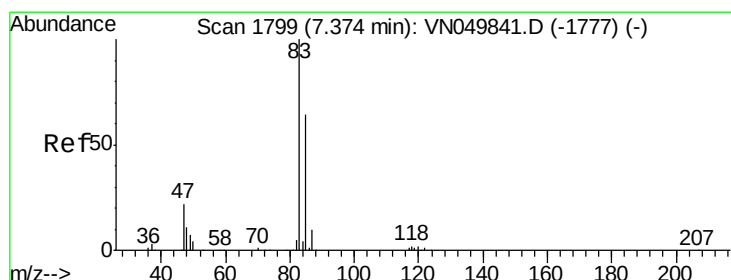
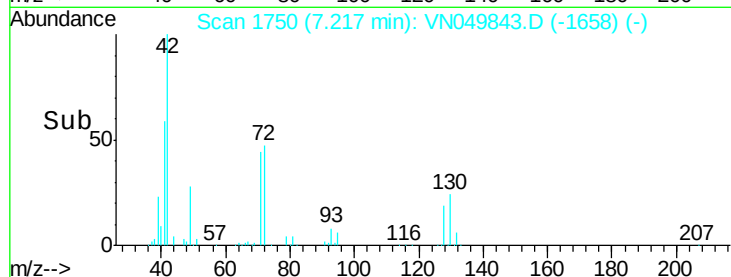
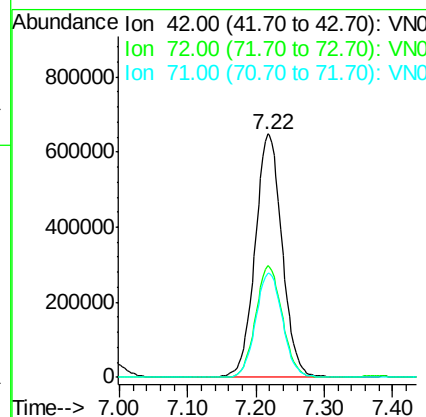
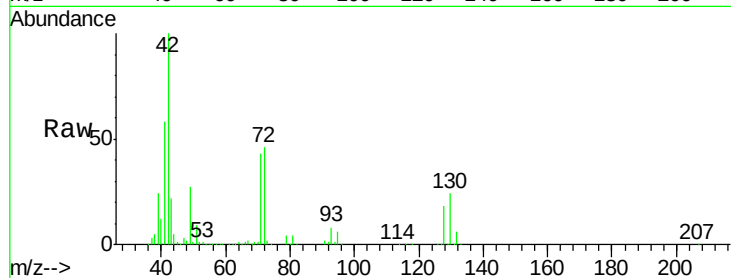
#29
Tetrahydrofuran
Concen: 746.24 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1773815
Ion Ratio Lower Upper
42 100
72 45.1 35.6 53.4
71 42.6 34.0 51.0

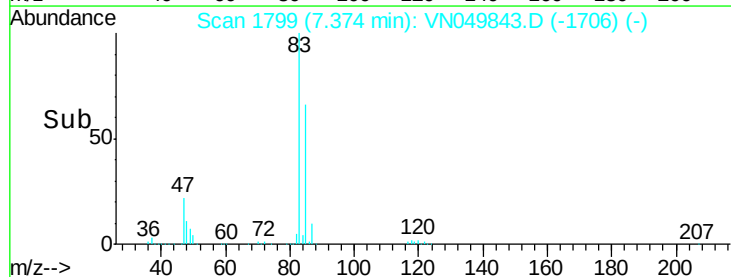
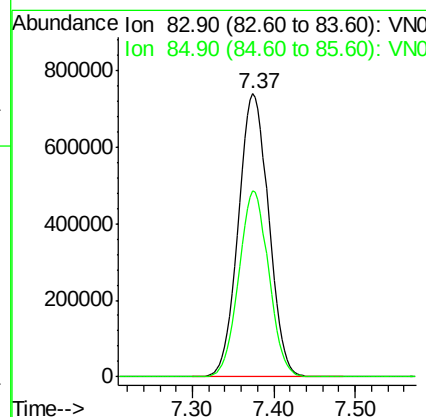
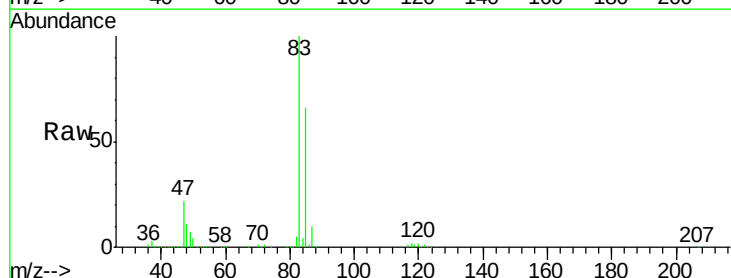
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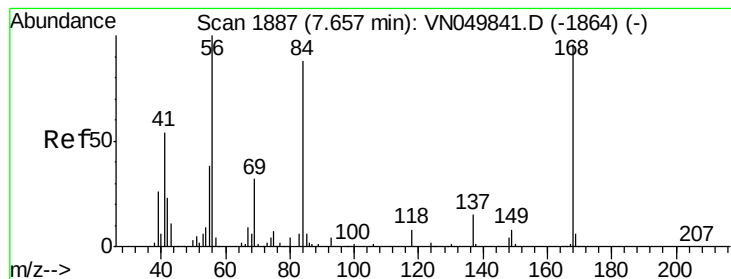
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#30
Chloroform
Concen: 124.99 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion: 83 Resp: 1907756
Ion Ratio Lower Upper
83 100
85 65.7 51.4 77.2





#31

Cyclohexane

Concen: 115.80 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 1645475

Ion Ratio Lower Upper

56 100

69 31.7 26.6 40.0

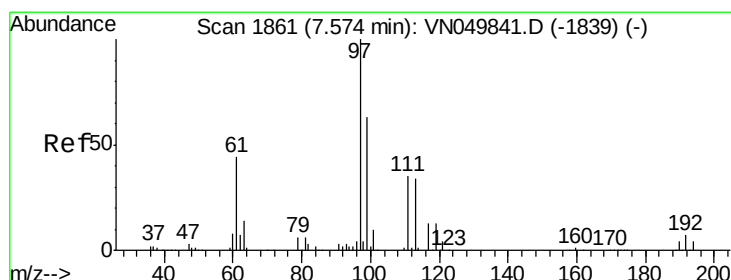
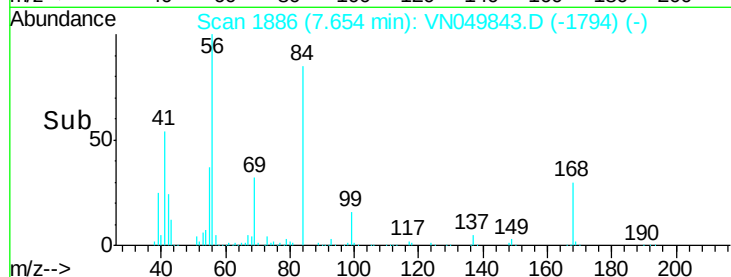
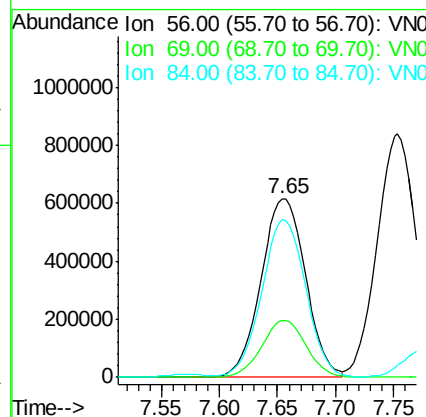
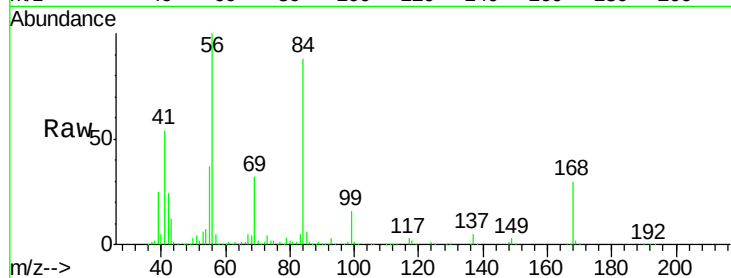
84 86.5 69.0 103.6

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#32

1,1,1-Trichloroethane

Concen: 128.63 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

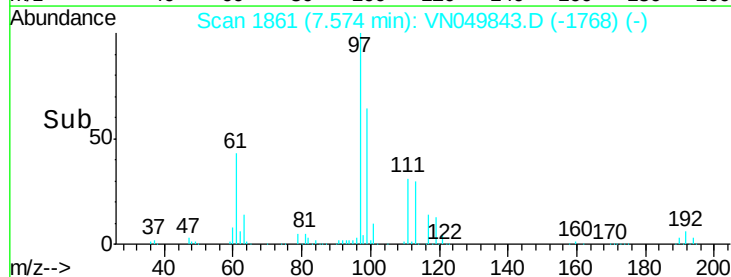
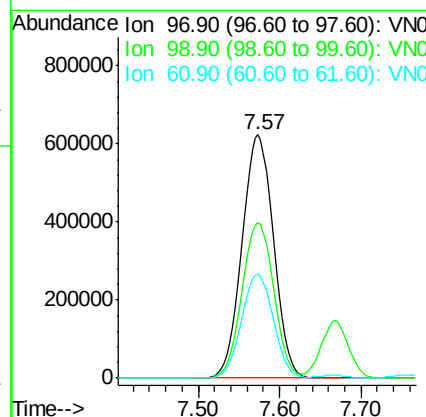
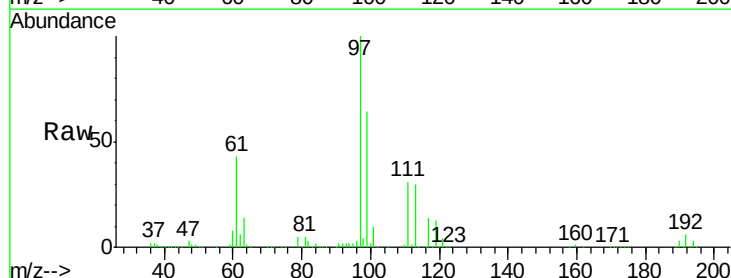
Tgt Ion: 97 Resp: 1660852

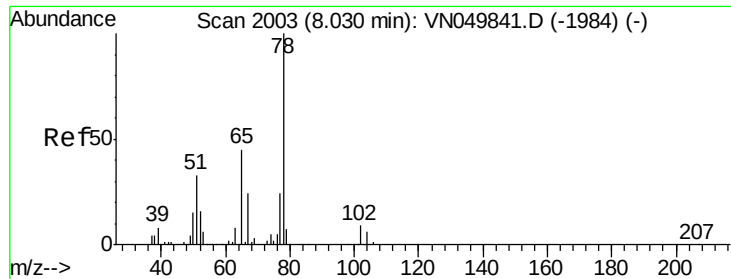
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

61 43.1 35.5 53.3





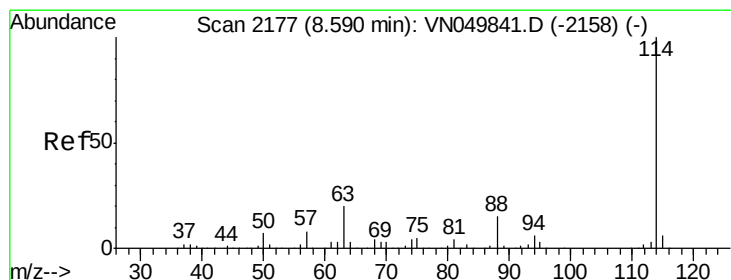
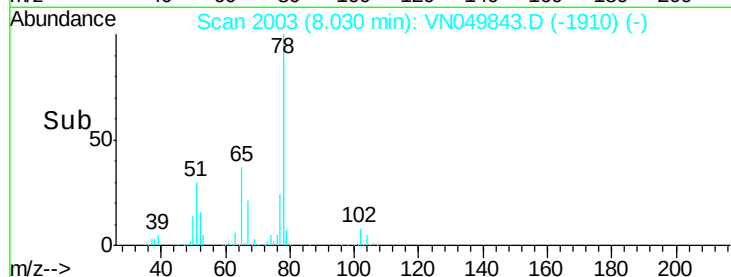
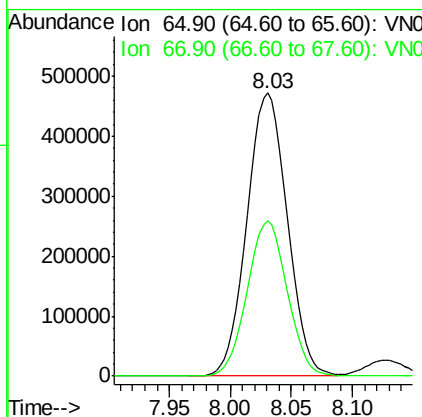
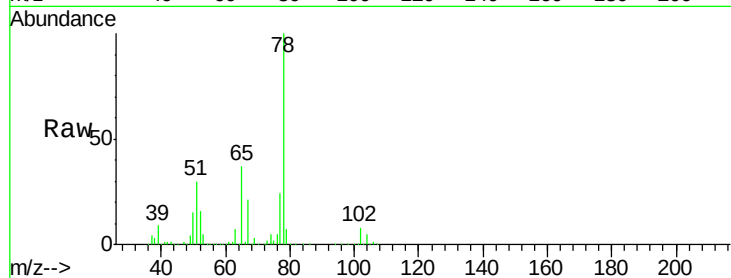
#33
 1,2-Dichloroethane-d4
 Concen: 113.47 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 65 Resp: 1082409
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.2

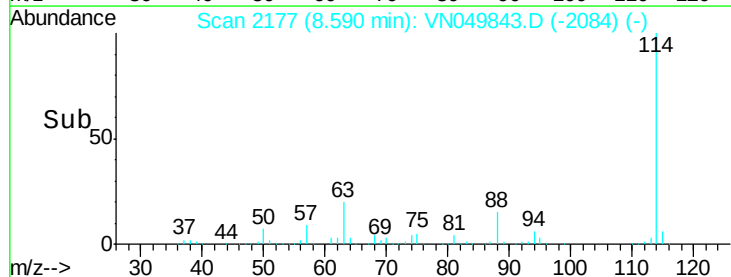
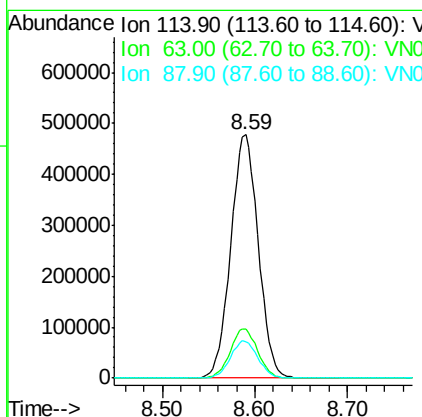
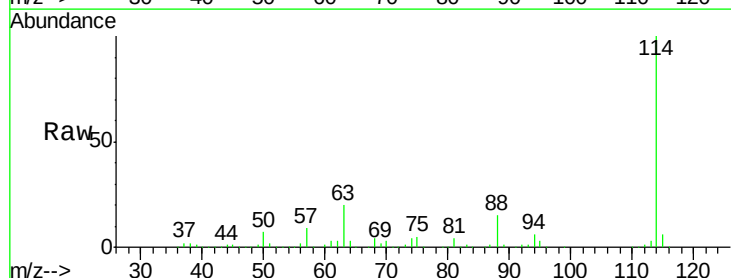
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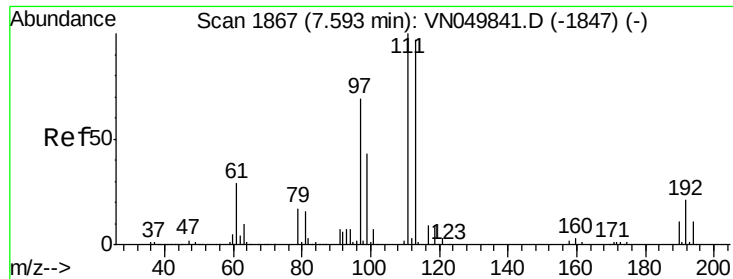
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Tgt Ion: 114 Resp: 979331
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 118.94 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:113 Resp: 963796

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

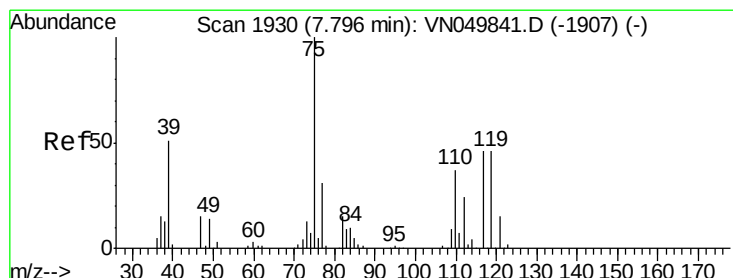
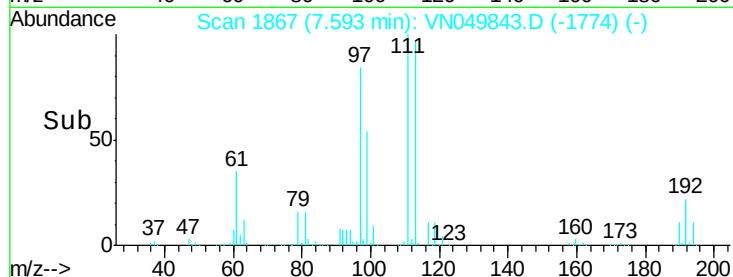
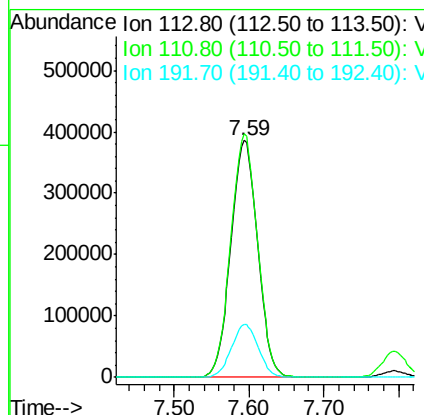
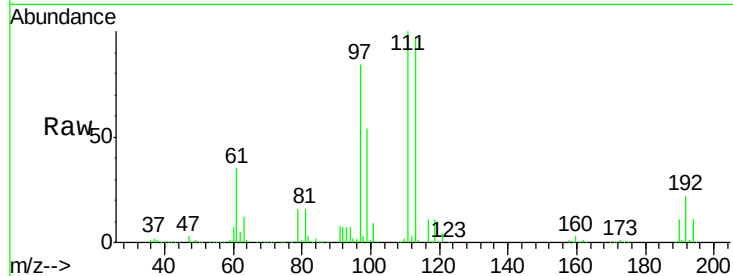
192 22.4 17.8 26.6

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#36

1,1-Dichloropropene

Concen: 138.13 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

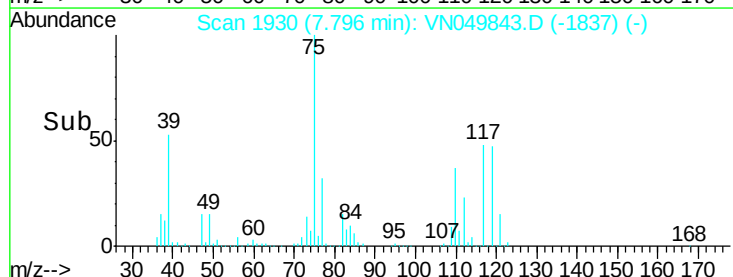
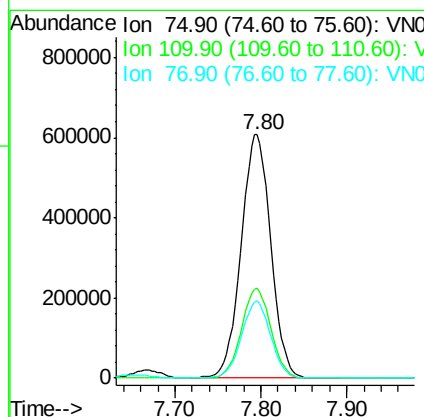
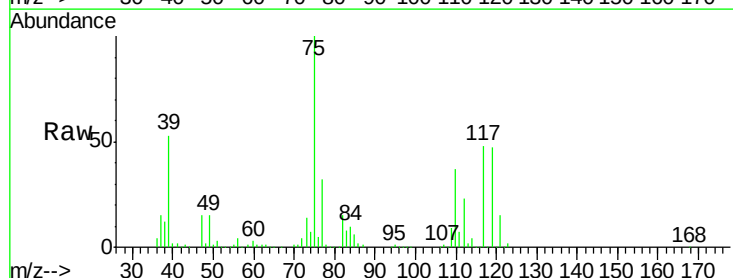
Tgt Ion: 75 Resp: 1450379

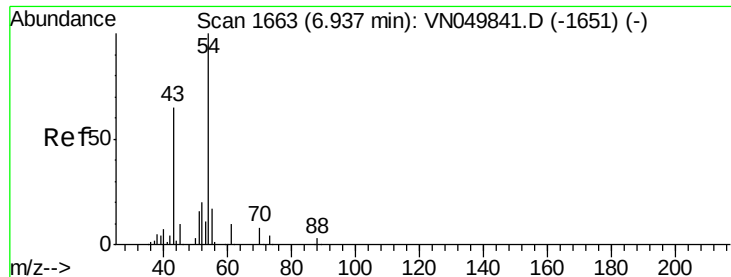
Ion Ratio Lower Upper

75 100

110 36.6 18.1 54.4

77 31.1 24.9 37.3





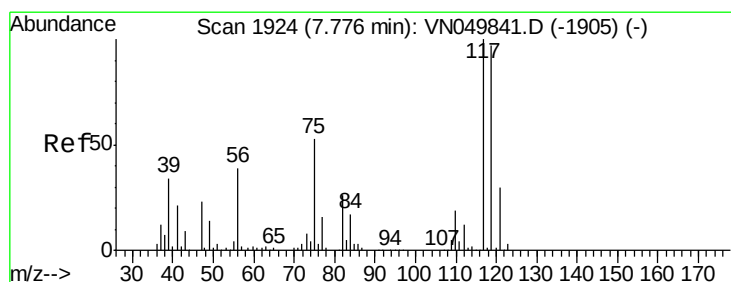
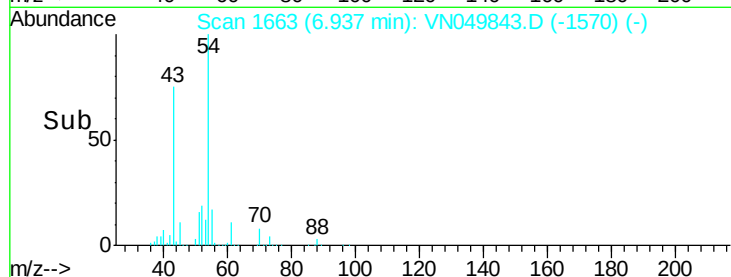
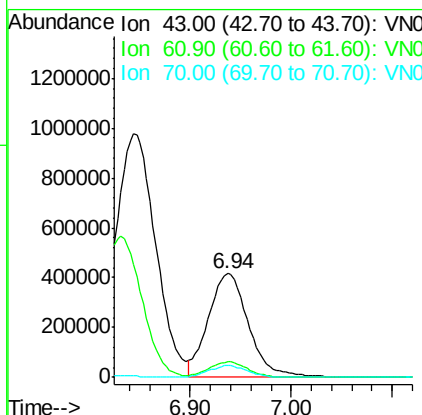
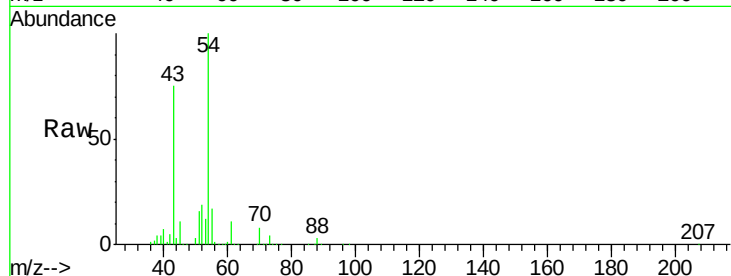
#37
Ethyl Acetate
Concen: 147.13 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 1140594
Ion Ratio Lower Upper
43 100
61 14.7 11.7 17.5
70 10.9 8.4 12.6

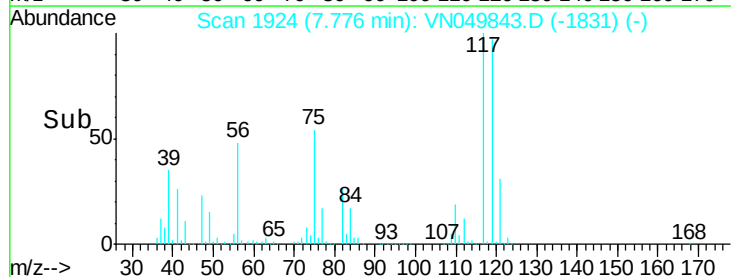
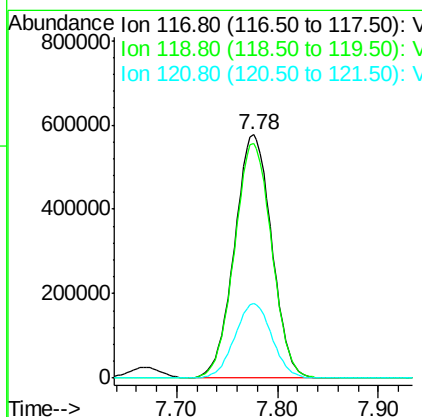
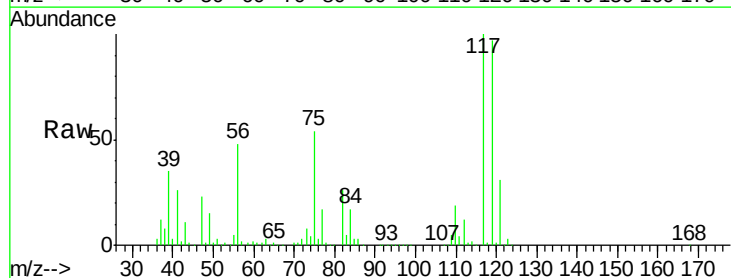
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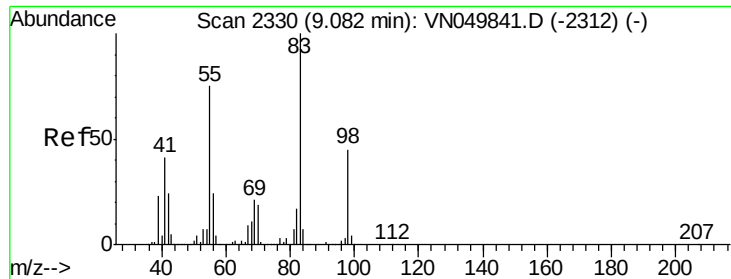
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#38
Carbon Tetrachloride
Concen: 132.09 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion: 117 Resp: 1471198
Ion Ratio Lower Upper
117 100
119 96.6 77.2 115.8
121 30.5 25.0 37.6





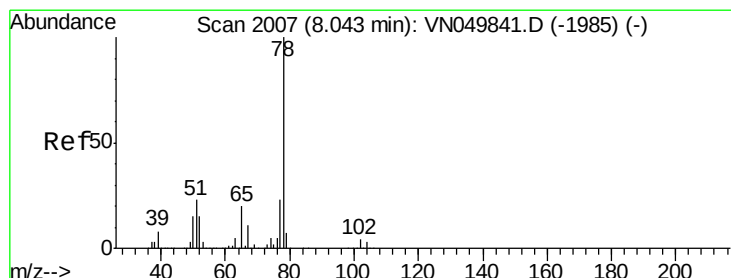
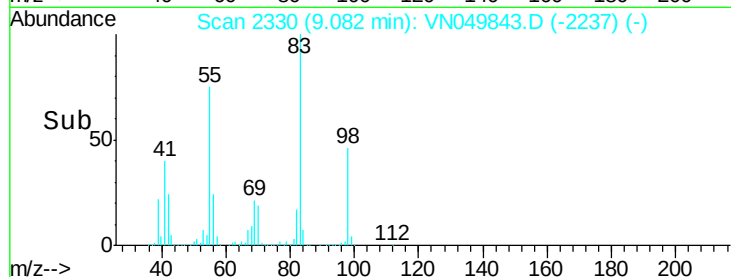
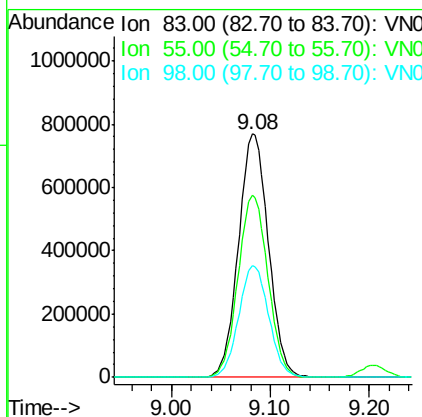
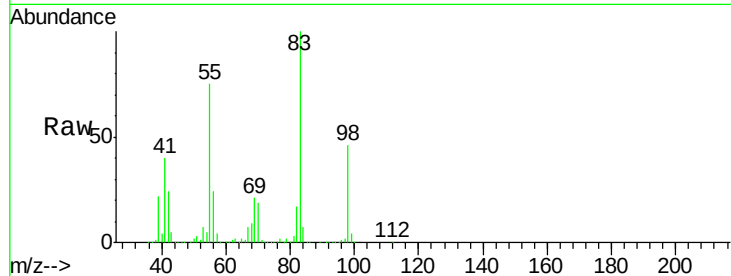
#39
Methylvlcyclohexane
Concen: 151.32 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1612463
Ion Ratio Lower Upper
83 100
55 75.1 59.7 89.5
98 45.9 36.5 54.7

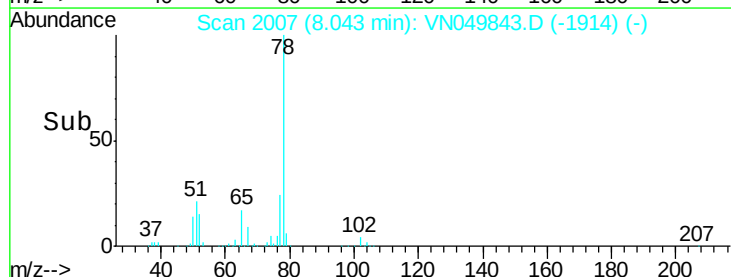
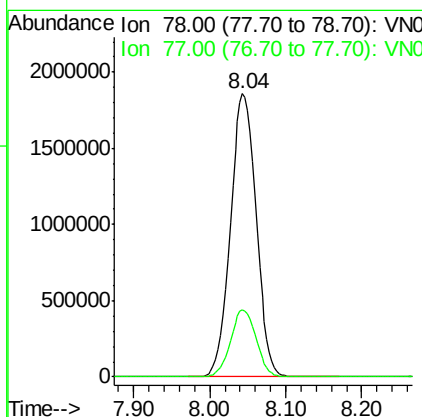
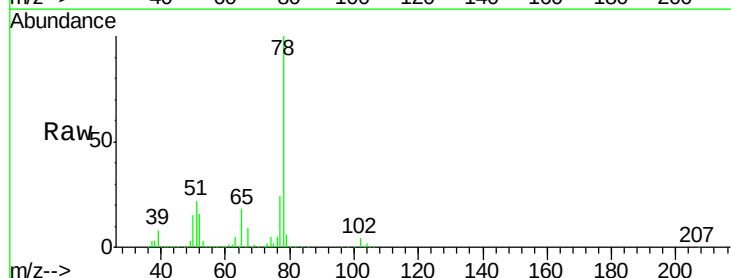
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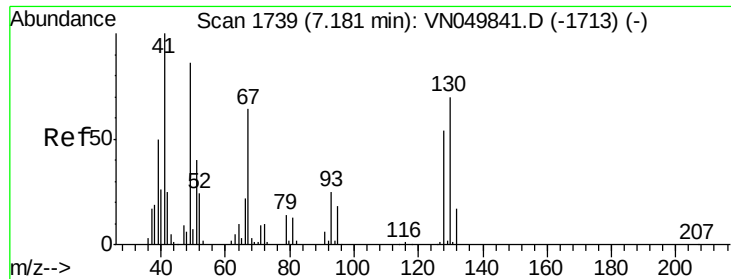
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#40
Benzene
Concen: 136.90 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion: 78 Resp: 4363609
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4





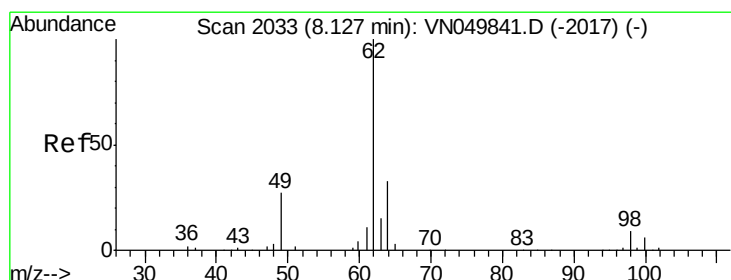
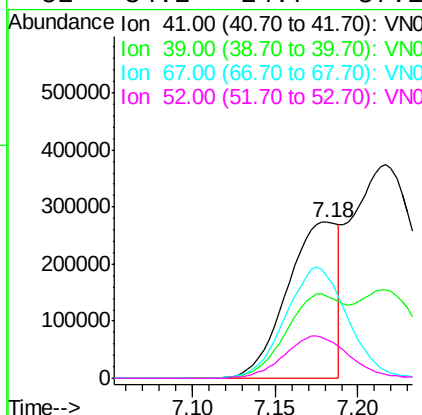
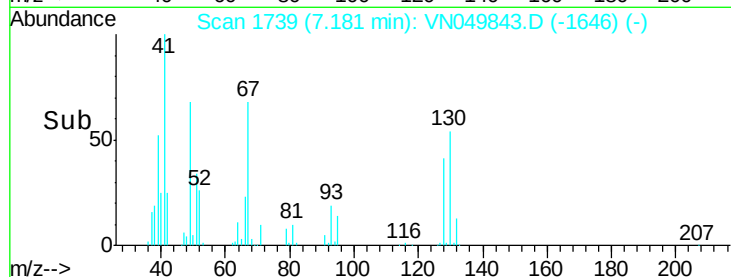
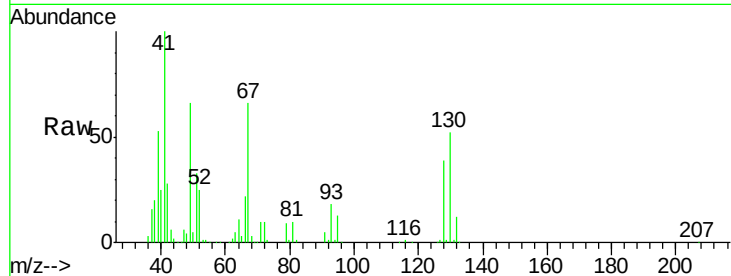
#41
Methacrylonitrile
Concen: 145.28 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.2	45.4	68.2	
67	87.9	65.4	98.0	
52	34.2	24.7	37.1	

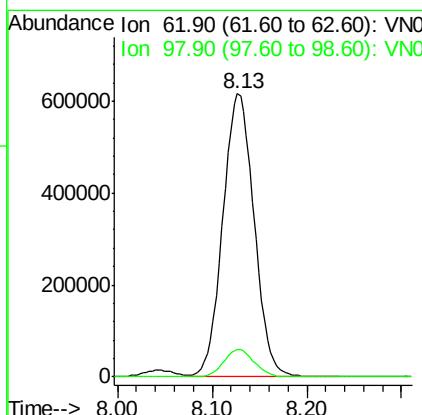
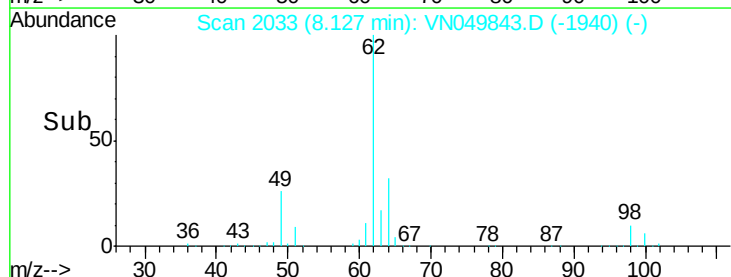
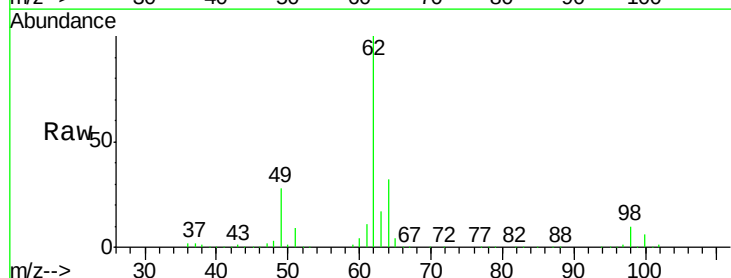
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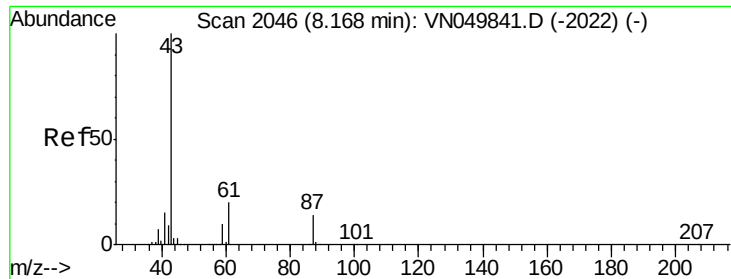
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#42
1,2-Dichloroethane
Concen: 129.14 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	19.0	





#43

Isopropyl Acetate

Concen: 152.76 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2002535

Ion Ratio Lower Upper

43 100

61 20.9 14.9 22.3

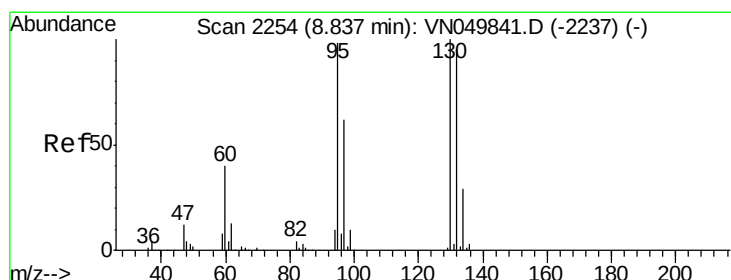
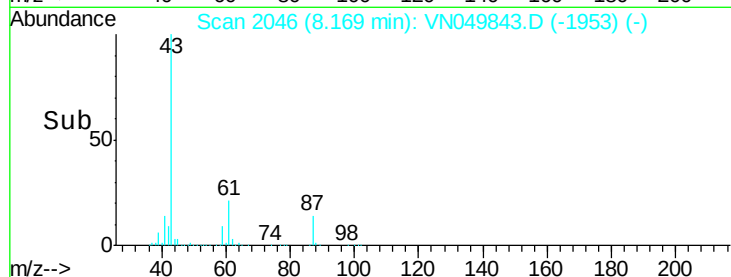
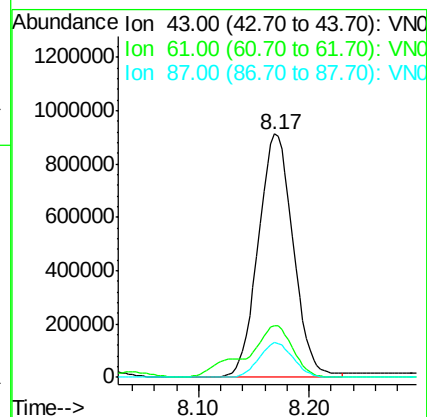
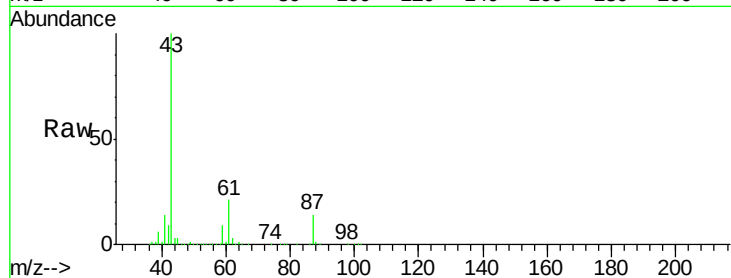
87 13.8 10.0 15.0

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#44

Trichloroethene

Concen: 134.41 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049843.D

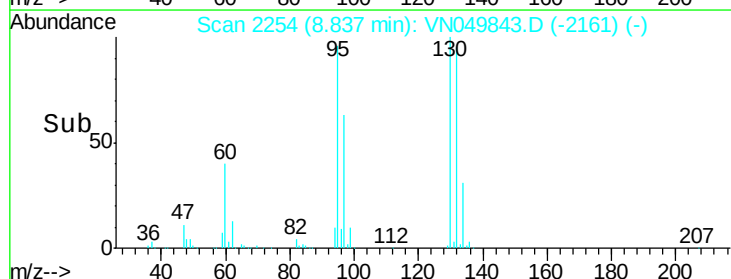
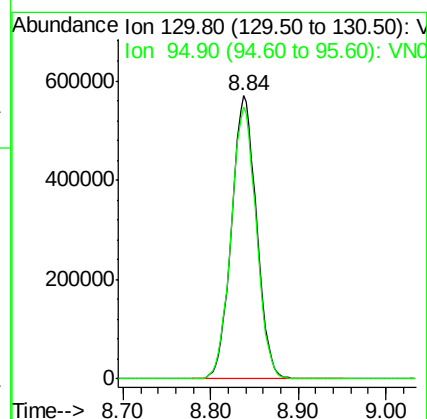
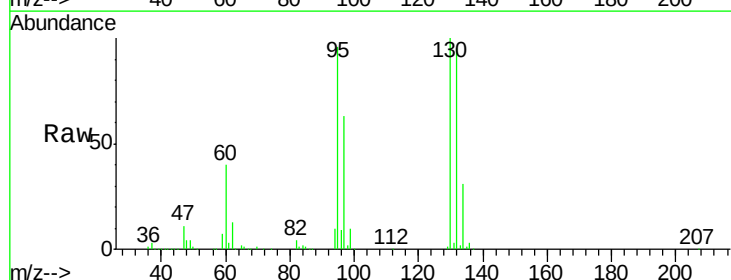
Acq: 17 Jul 2018 12:47

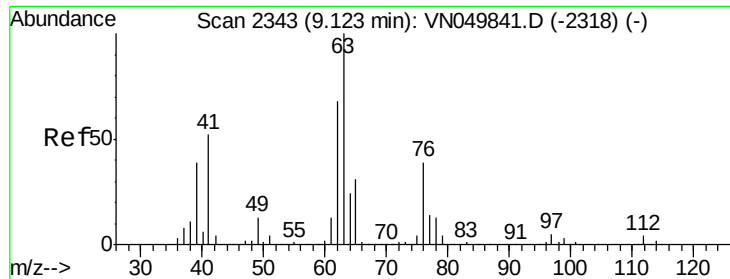
Tgt Ion:130 Resp: 1130314

Ion Ratio Lower Upper

130 100

95 95.9 0.0 192.8





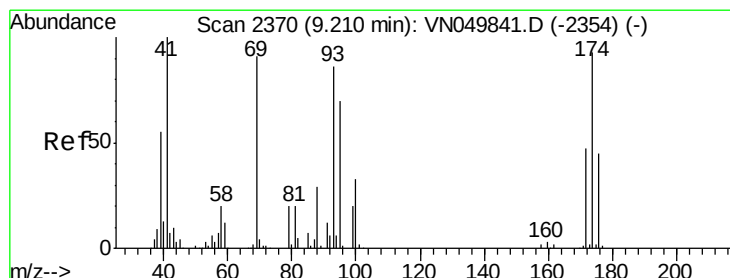
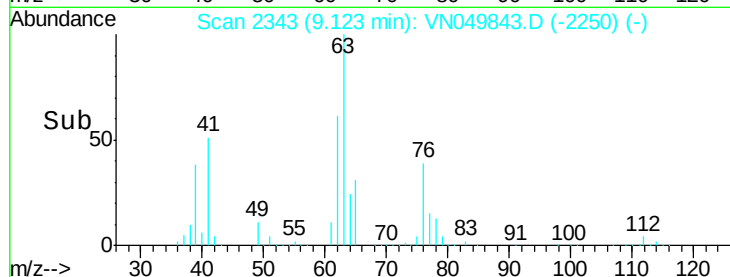
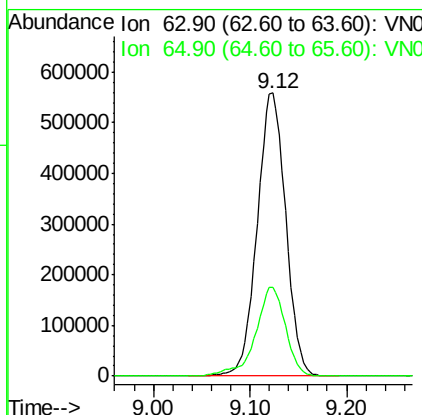
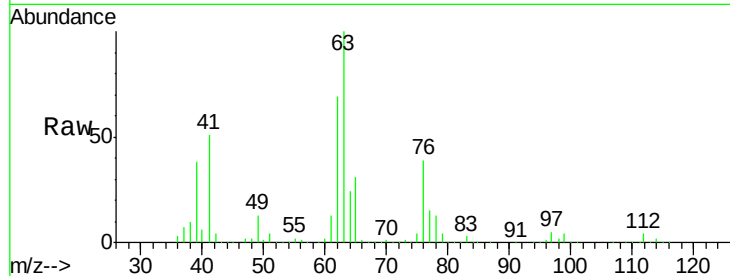
#45
 1,2-Dichloropropane
 Concen: 134.39 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 63 Resp: 1144422
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1

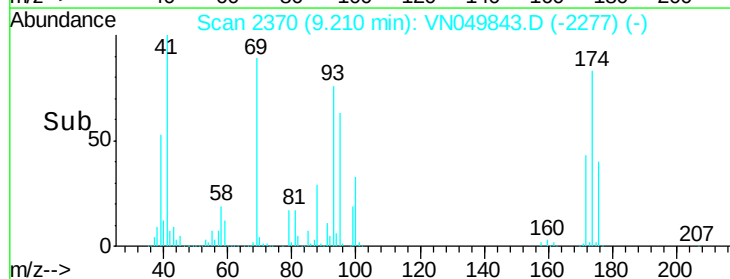
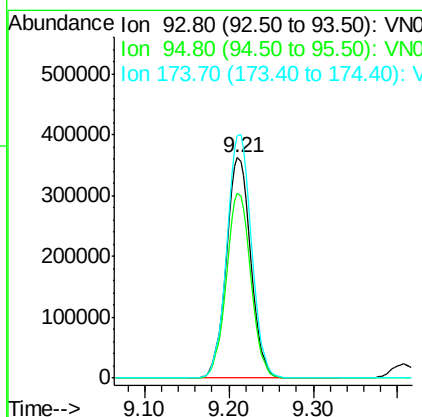
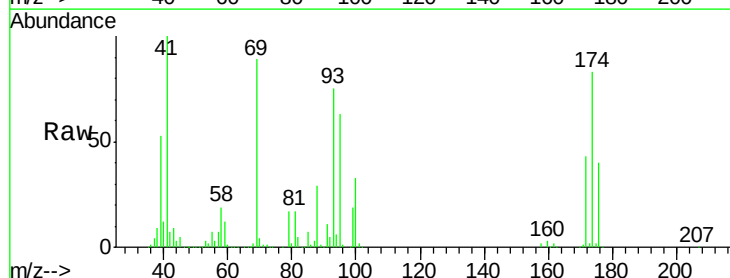
Manual Integrations
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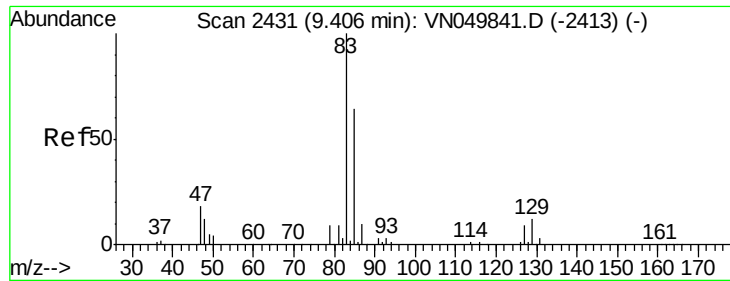
MMDadoda
 7/18/2018 11:59:12 AM



#46
 Dibromomethane
 Concen: 134.47 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Tgt Ion: 93 Resp: 730533
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.9 101.9
 174 111.0 89.4 134.0





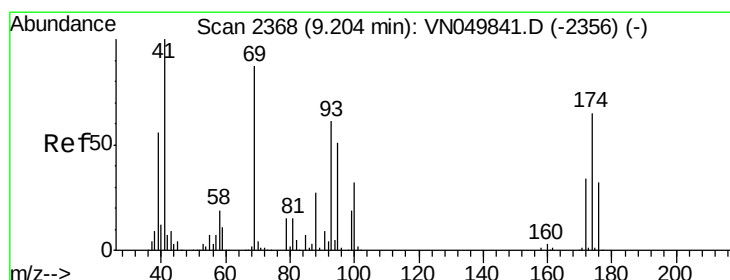
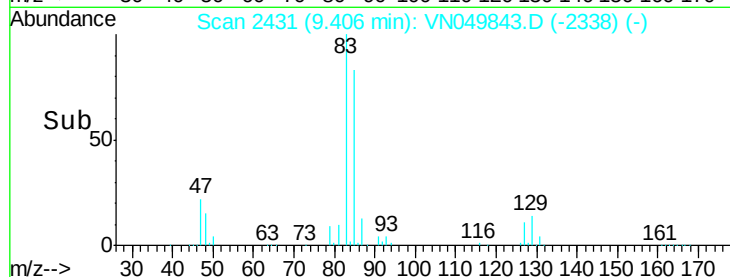
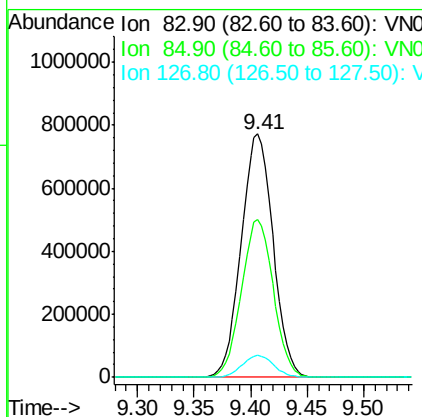
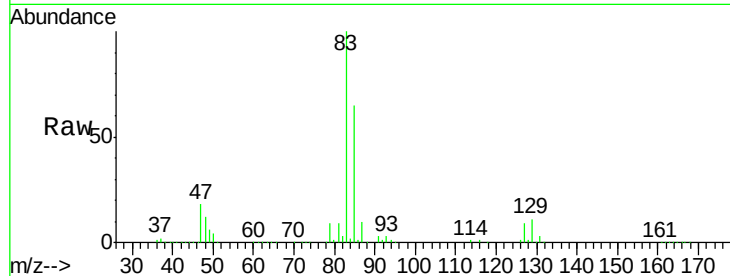
#47
Bromodichloromethane
Concen: 137.68 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 83 Resp: 1514568
Ion Ratio Lower Upper
83 100
85 65.0 50.5 75.7
127 9.0 6.8 10.2

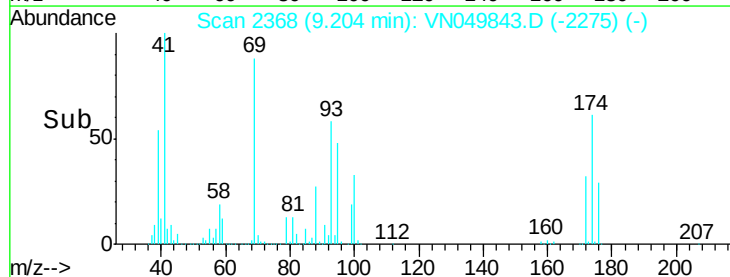
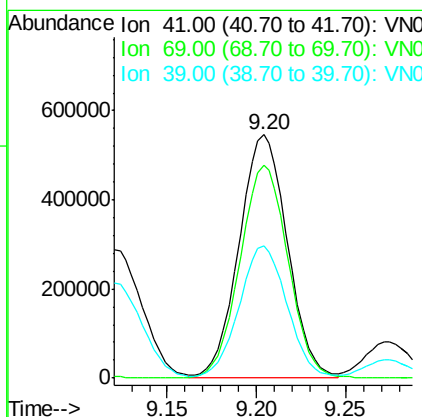
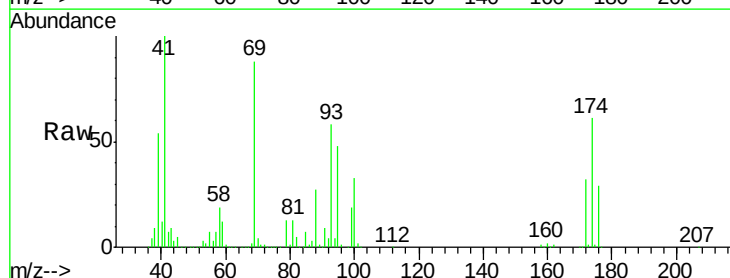
Manual Integrations
APPROVED

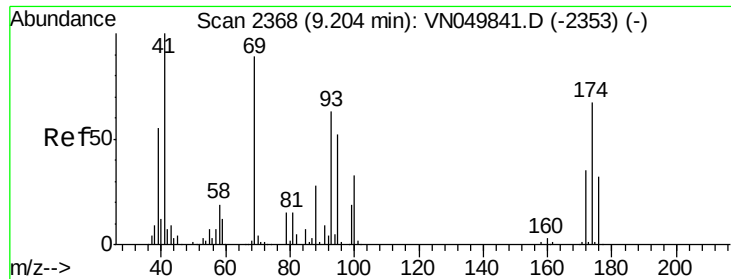
MMDadoda
7/18/2018 11:59:12 AM



#48
Methyl methacrylate
Concen: 159.89 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion: 41 Resp: 1031111
Ion Ratio Lower Upper
41 100
69 87.5 71.5 107.3
39 54.2 44.7 67.1





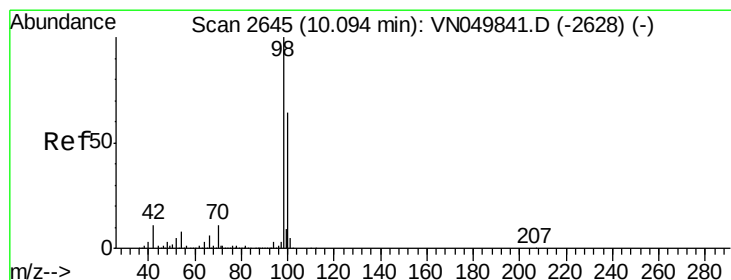
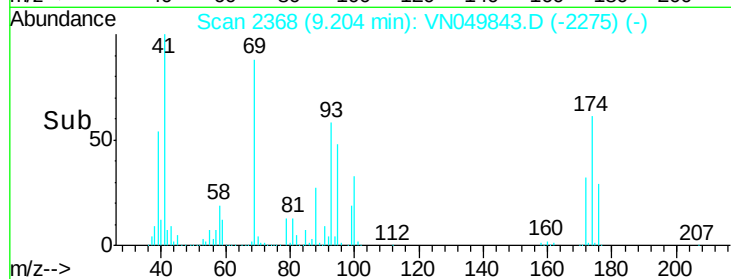
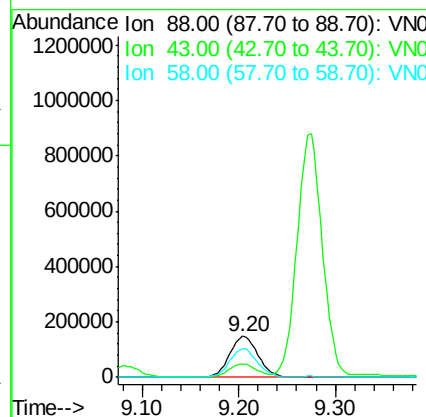
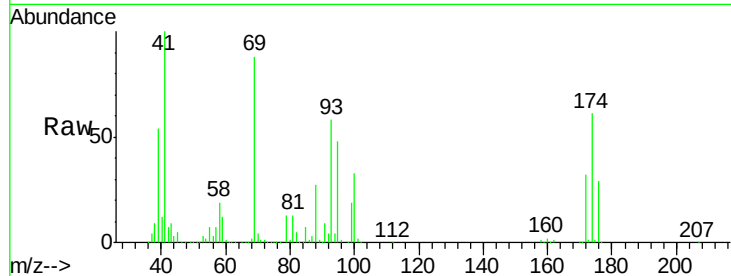
#49
1,4-Dioxane
Concen: 3097.08 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	304454
Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.1	37.7
58	68.4	52.5	78.7

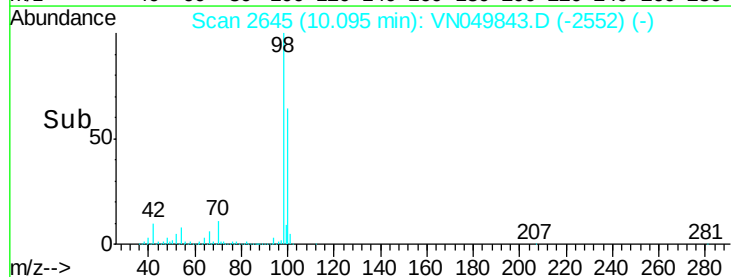
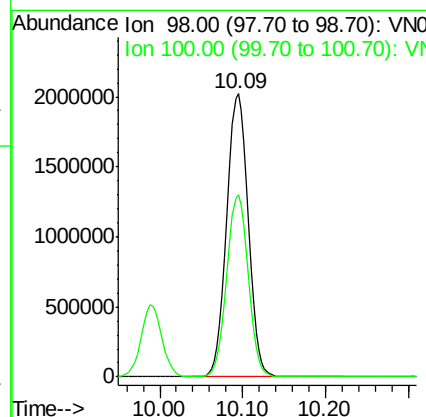
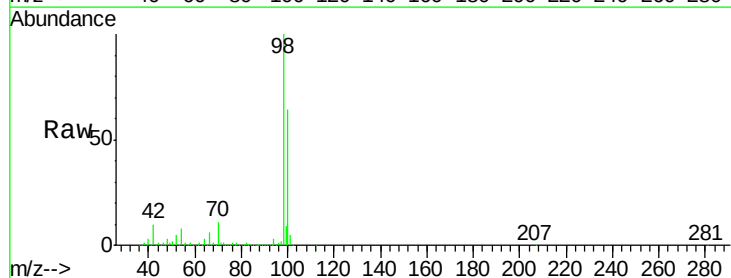
Manual Integrations
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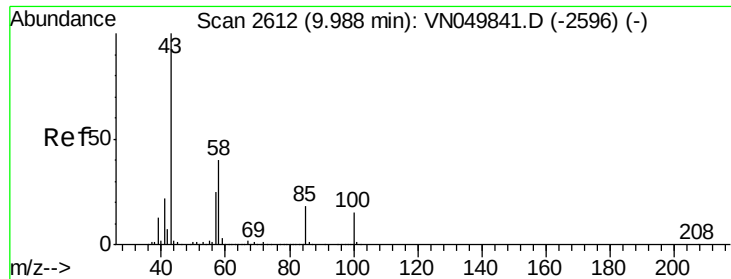
MMDadoda
7/18/2018 11:59:12 AM



#50
Toluene-d8
Concen: 122.69 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion	98	Resp	3631397
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 776.13 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5967953

Ion Ratio Lower Upper

43 100

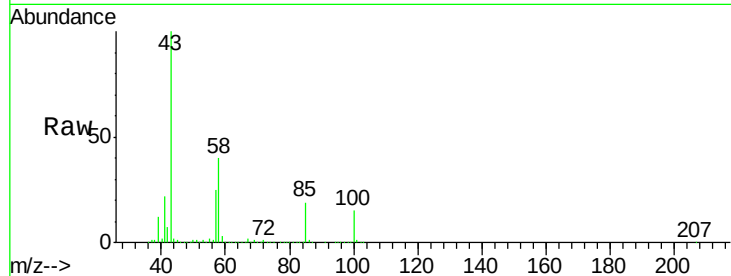
58 40.2 31.8 47.8

Manual Integrations

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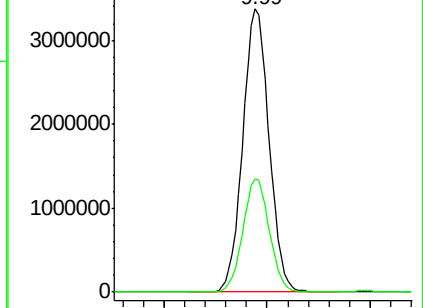
MMDadoda

7/18/2018 11:59:12 AM

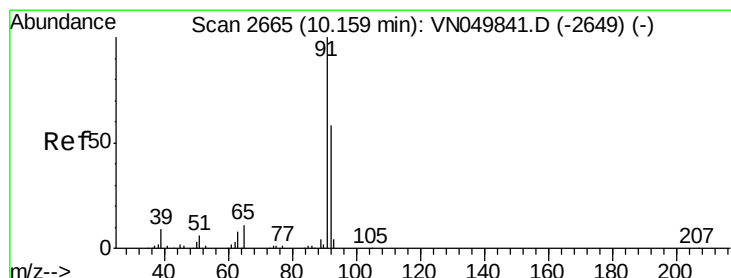
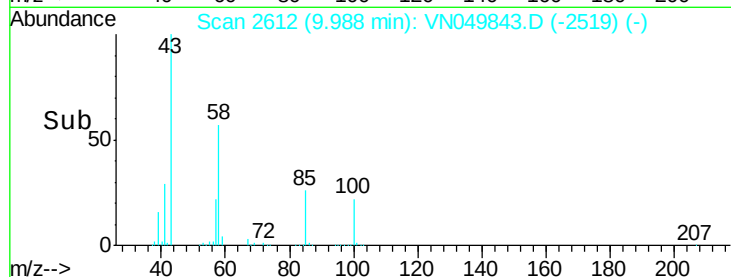


Abundance Ion 43.00 (42.70 to 43.70): VN049841.D (-2596) (-)

Ion 58.00 (57.70 to 58.70): VN049841.D (-2596) (-)



Time-->



#52

Toluene

Concen: 145.20 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049843.D

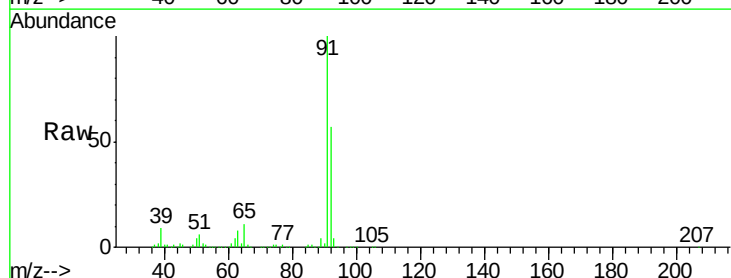
Acq: 17 Jul 2018 12:47

Tgt Ion: 92 Resp: 2747855

Ion Ratio Lower Upper

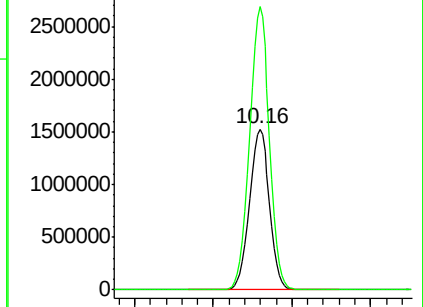
92 100

91 174.8 140.1 210.1

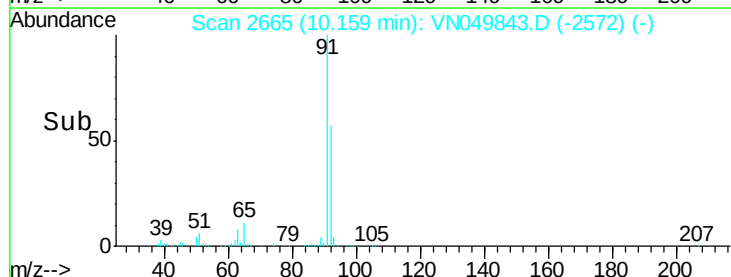


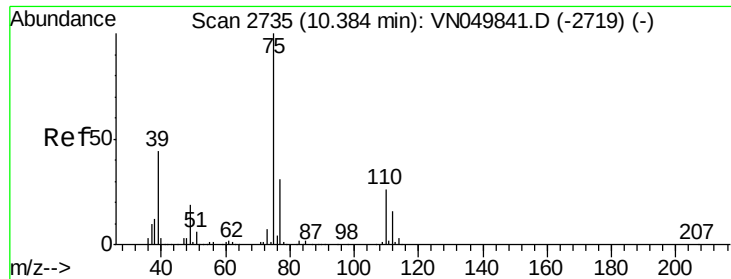
Abundance Ion 92.00 (91.70 to 92.70): VN049843.D (-2572) (-)

Ion 91.00 (90.70 to 91.70): VN049843.D (-2572) (-)



Time-->





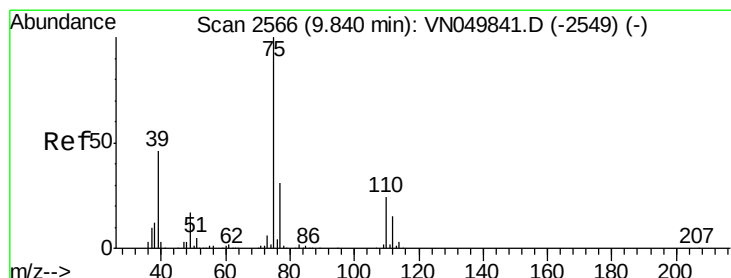
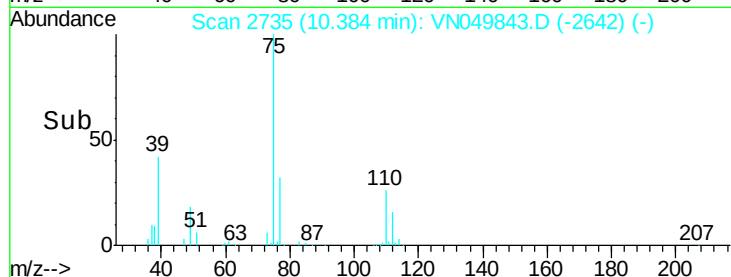
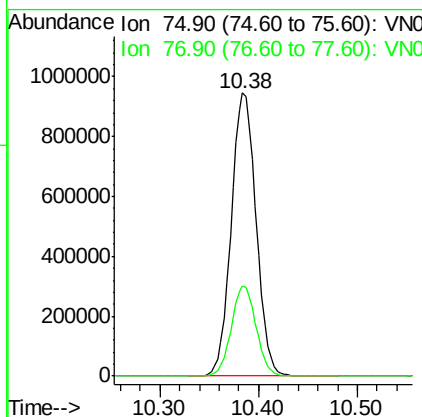
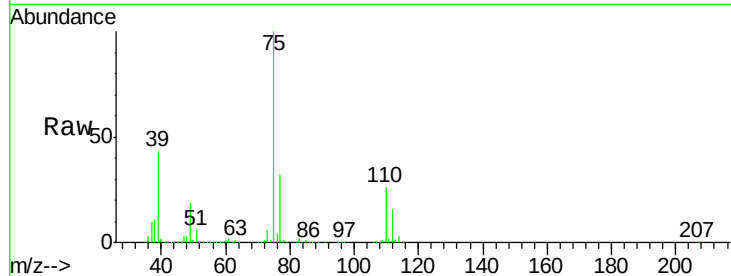
#53
t-1,3-Dichloropropene
Concen: 158.20 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 75 Resp: 1660808
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

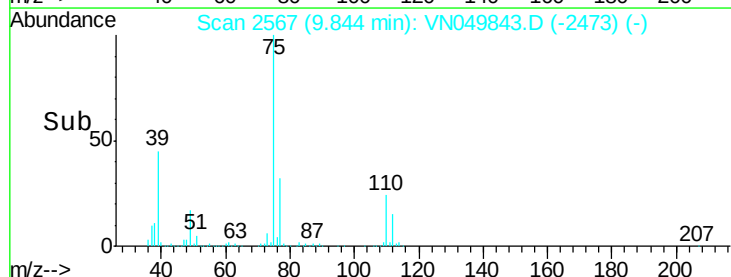
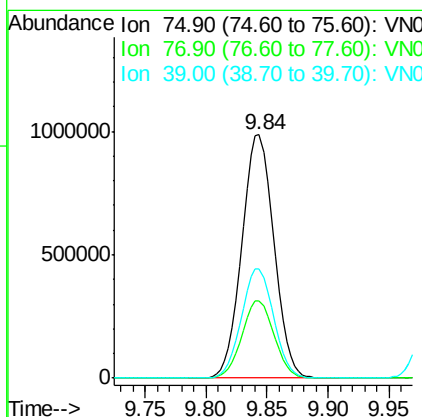
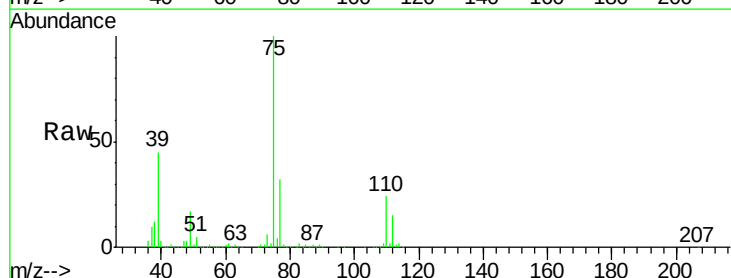
Manual Integrations
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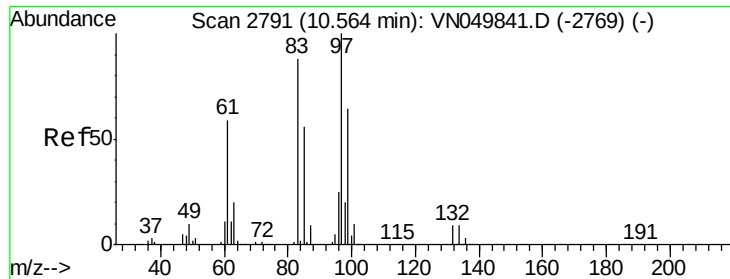
MMDadoda
7/18/2018 11:59:12 AM



#54
cis-1,3-Dichloropropene
Concen: 150.64 ug/l
RT: 9.84 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion: 75 Resp: 1789685
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9
39 44.8 35.5 53.3





#55
 1,1,2-Trichloroethane
 Concen: 135.18 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

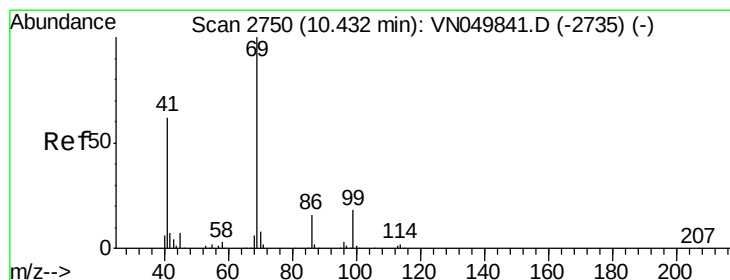
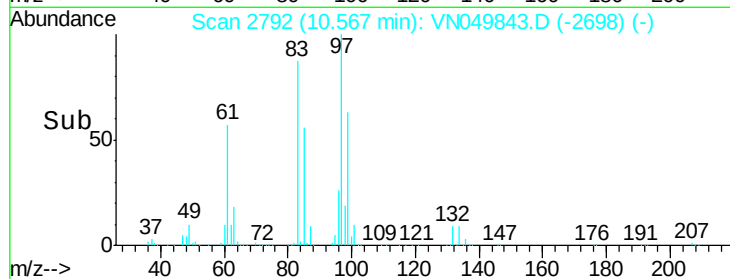
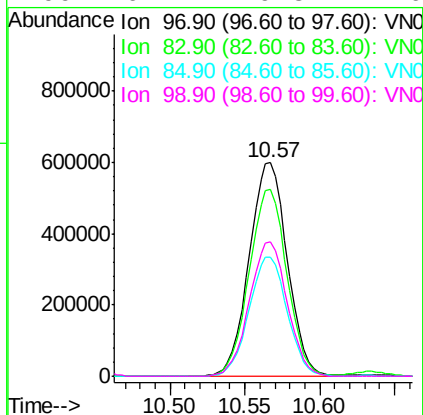
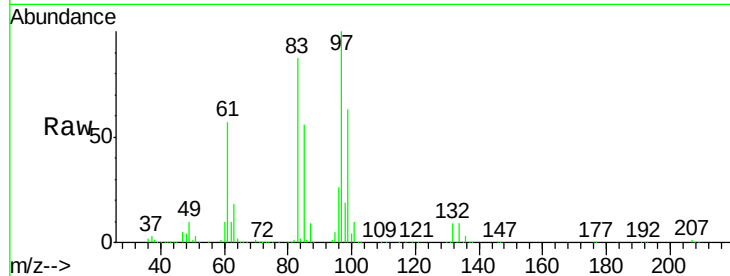
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 97 Resp: 1061599

Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.0	103.6
85	56.0	44.9	67.3
99	62.7	49.8	74.6

Manual Integrations
 APPROVED

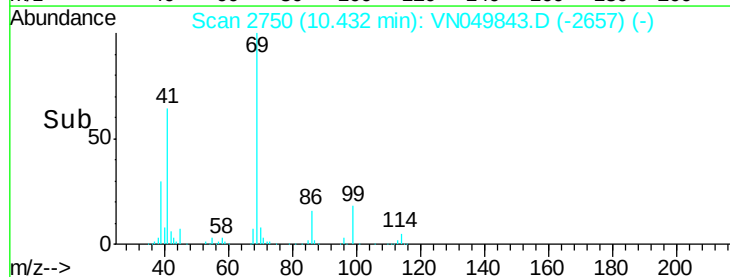
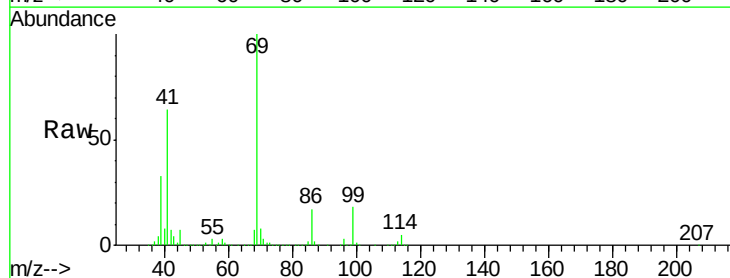
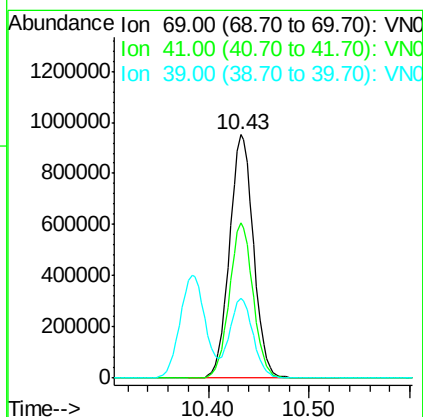
MMDadoda
 7/18/2018 11:59:12 AM

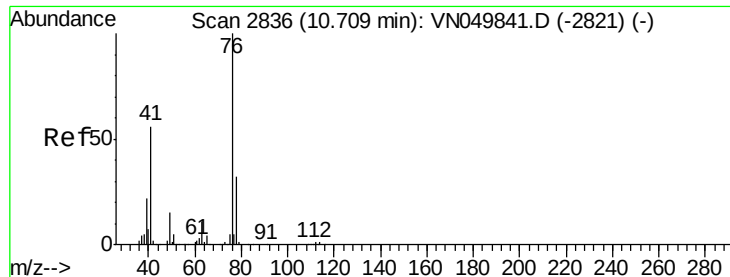


#56
 Ethyl methacrylate
 Concen: 172.93 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Tgt Ion: 69 Resp: 1577734

Ion	Ratio	Lower	Upper
69	100		
41	62.5	51.6	77.4
39	32.4	25.8	38.8





#57

1,3-Dichloropropane

Concen: 140.19 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 1773513

Ion Ratio Lower Upper

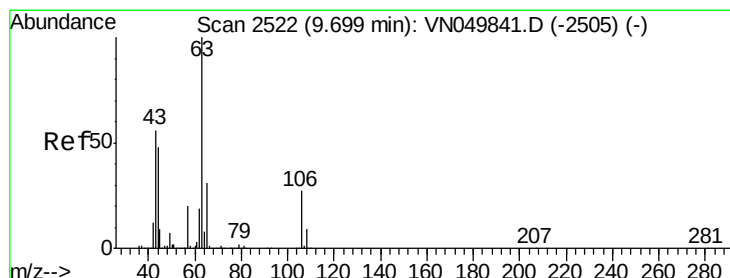
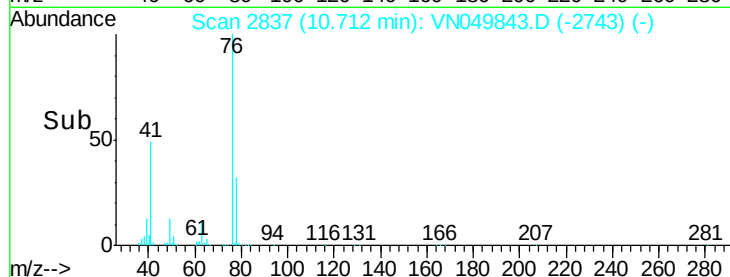
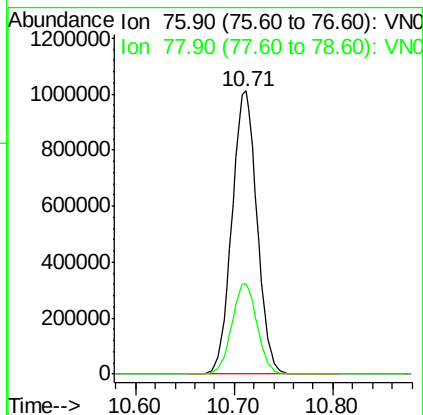
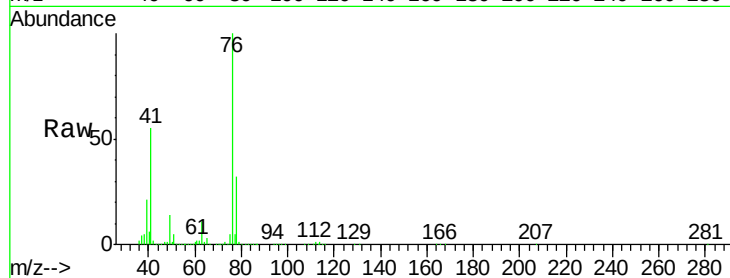
76 100

78 32.2 25.8 38.8

Manual Integrations
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7/18/2018 11:59:12 AM



#58

2-Chloroethyl Vinyl ether

Concen: 921.90 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049843.D

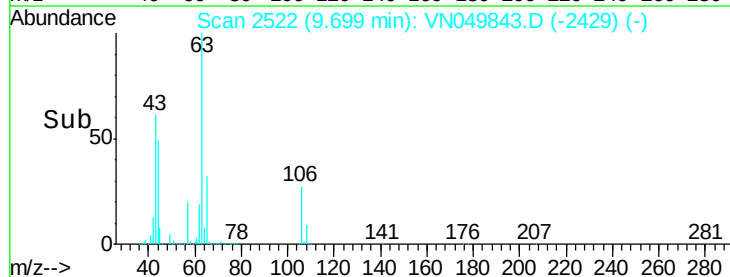
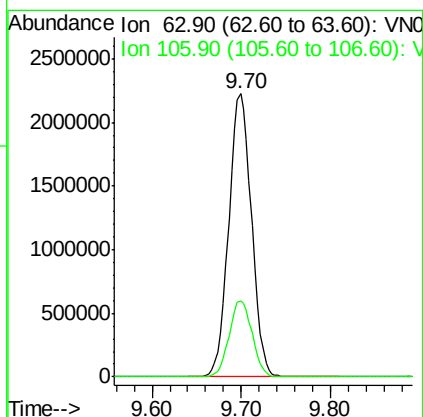
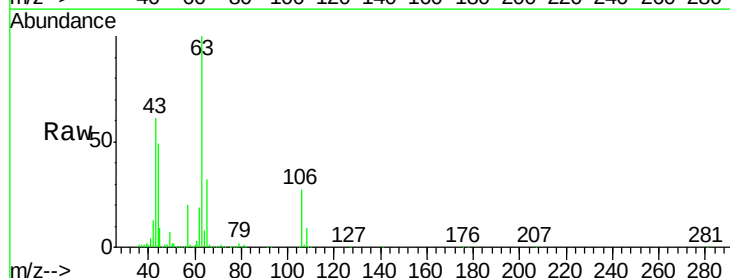
Acq: 17 Jul 2018 12:47

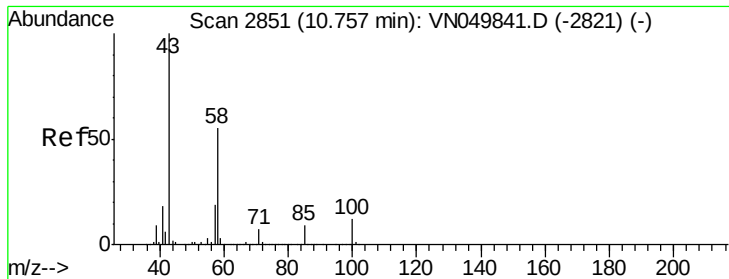
Tgt Ion: 63 Resp: 3921476

Ion Ratio Lower Upper

63 100

106 27.2 21.8 32.8





#59

2-Hexanone

Concen: 819.76 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4280456

Ion Ratio Lower Upper

43 100

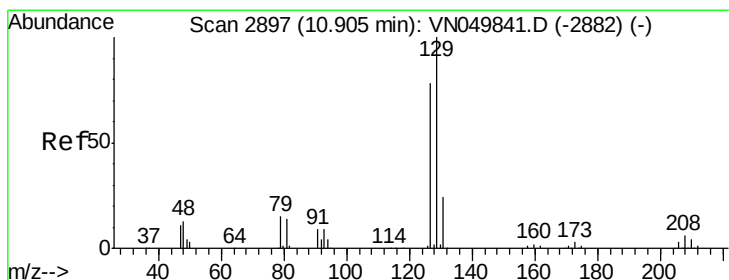
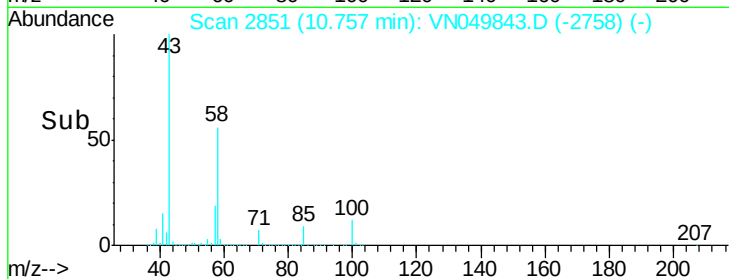
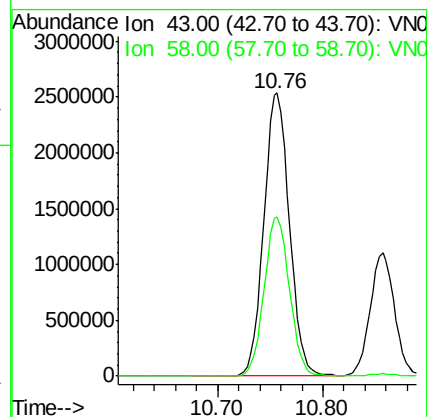
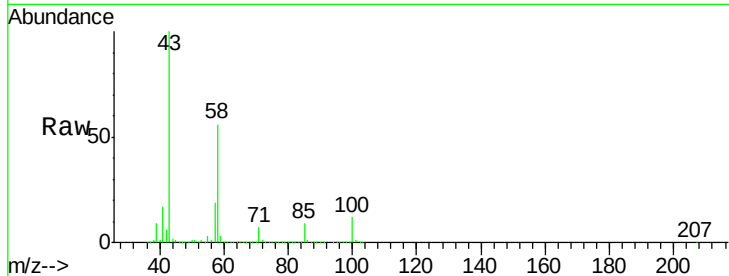
58 56.2 27.8 83.4

Manual Integrations

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MMDadoda

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#60

Dibromochloromethane

Concen: 141.77 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049843.D

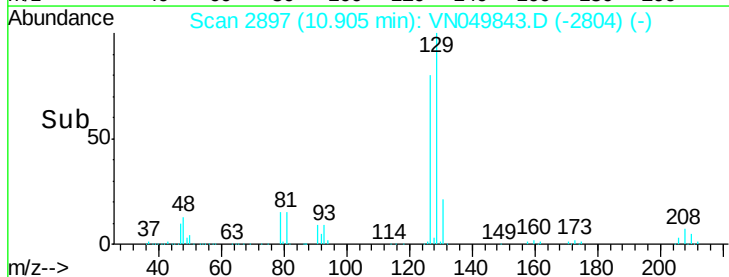
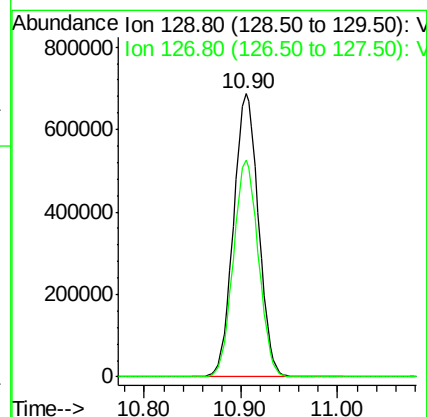
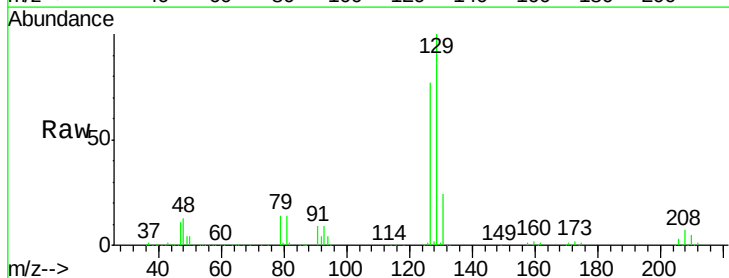
Acq: 17 Jul 2018 12:47

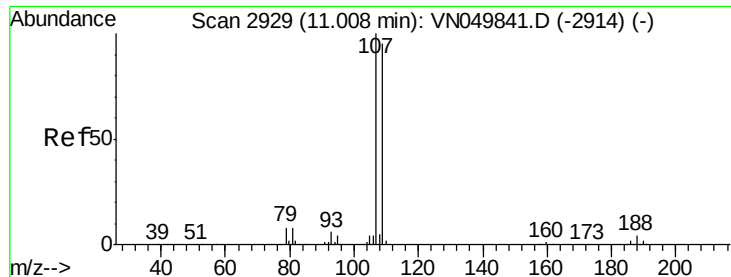
Tgt Ion: 129 Resp: 1230644

Ion Ratio Lower Upper

129 100

127 76.8 38.3 114.9





#61

1,2-Dibromoethane

Concen: 143.08 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 1091612

Ion Ratio Lower Upper

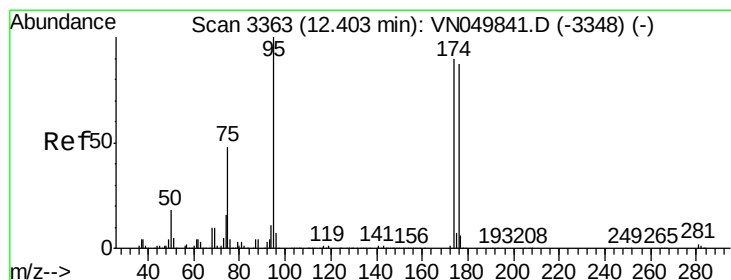
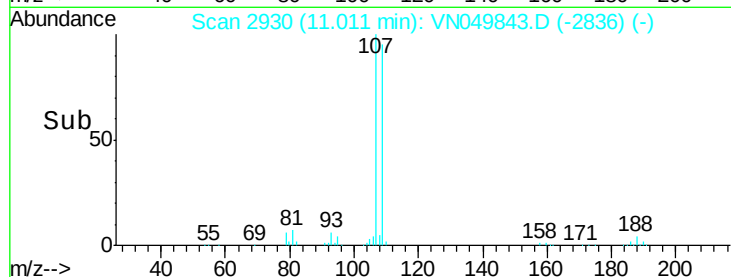
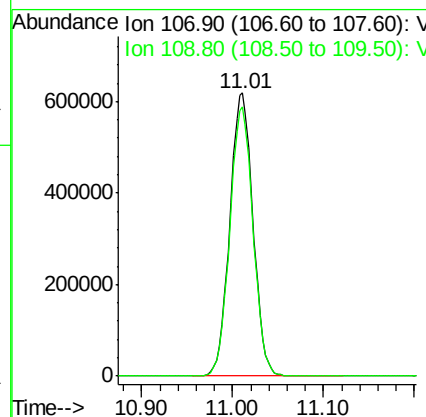
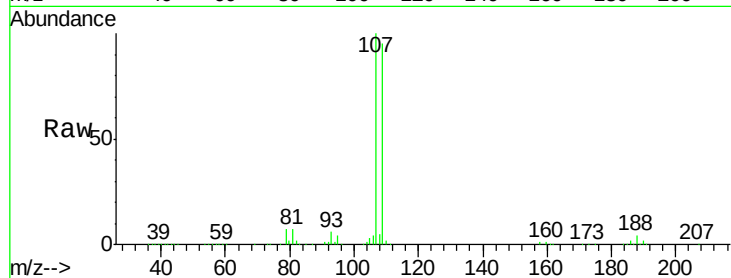
107 100

109 95.4 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 132.78 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

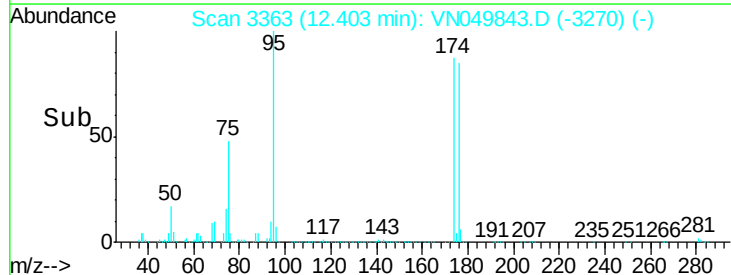
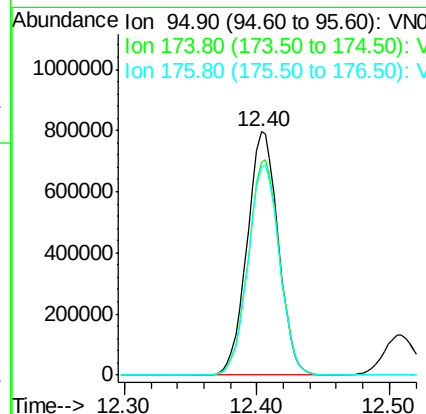
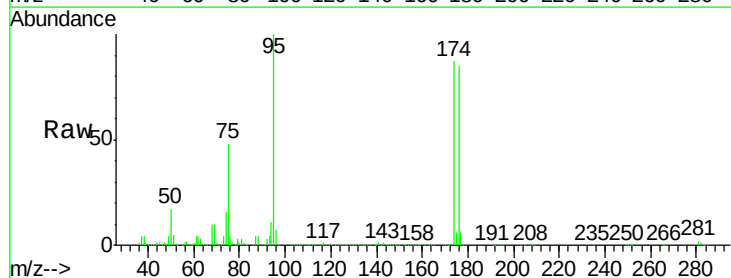
Tgt Ion: 95 Resp: 1298030

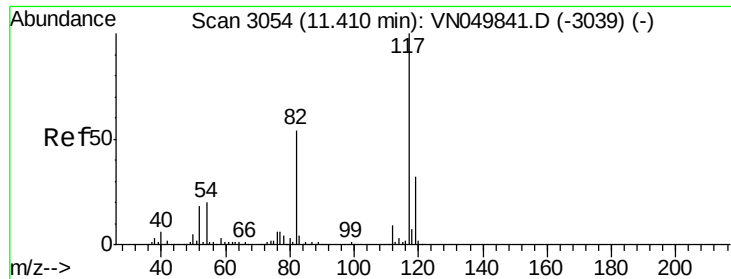
Ion Ratio Lower Upper

95 100

174 89.0 0.0 179.6

176 86.9 0.0 174.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

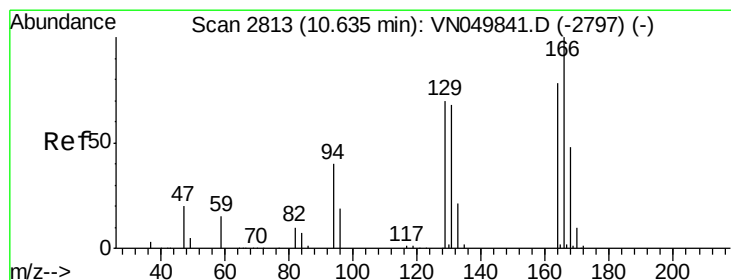
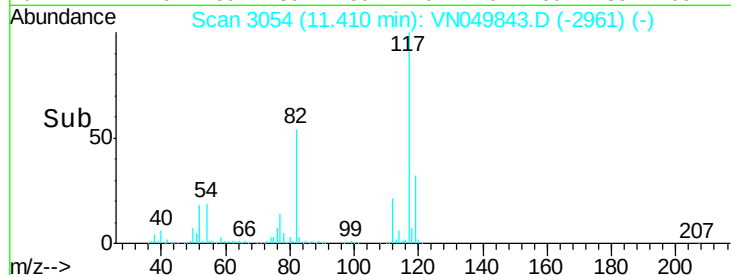
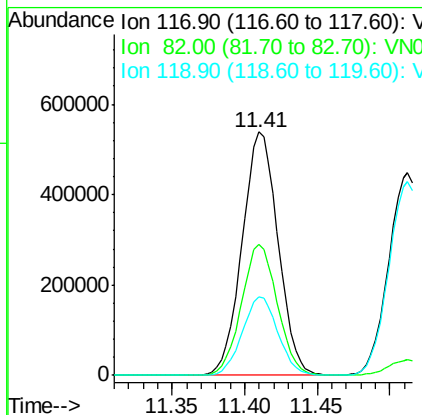
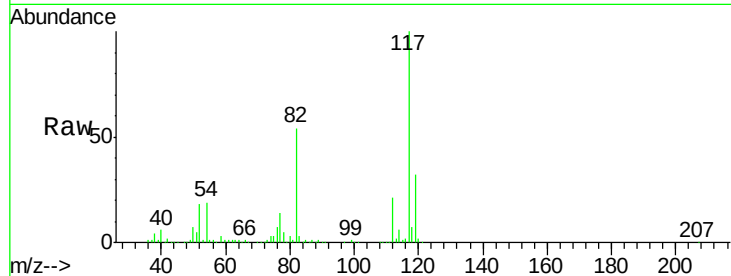
ClientSampleId :

VSTDIC150

Tot Ion:	117	Resp:	928445
Ion	Ratio	Lower	Upper
117	100		
82	53.8	41.9	62.9
119	32.3	25.4	38.2

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#64

Tetrachloroethene

Concen: 132.70 ug/l

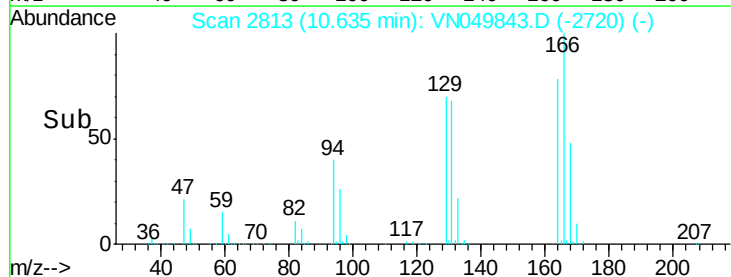
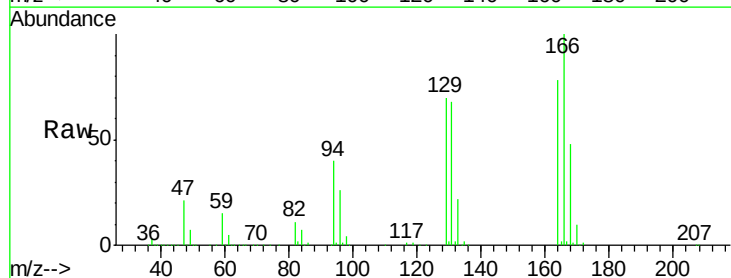
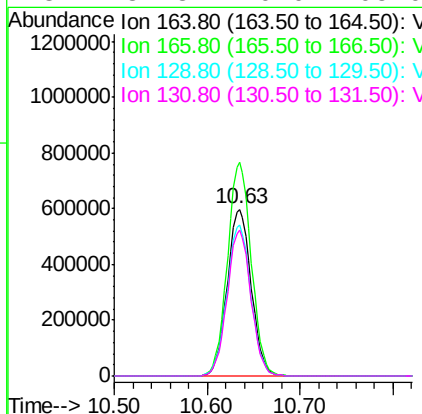
RT: 10.63 min Scan# 2813

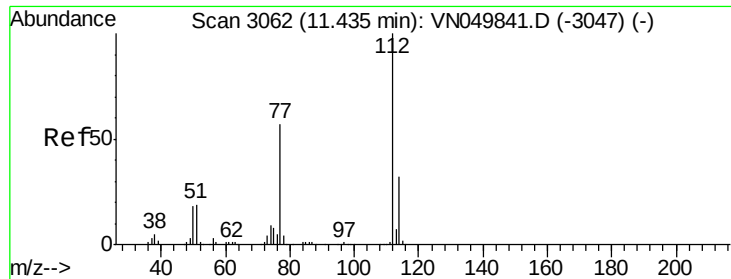
Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Tgt Ion:	164	Resp:	1068384
Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.8	152.6
129	90.4	72.8	109.2
131	87.3	70.0	105.0





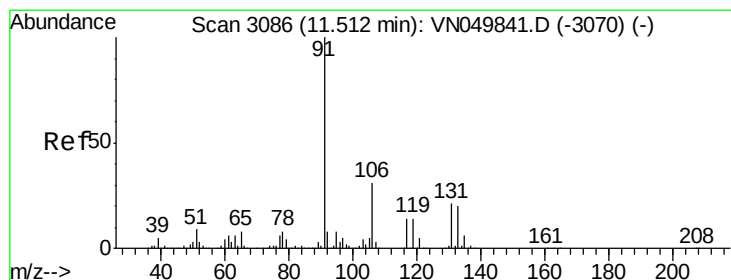
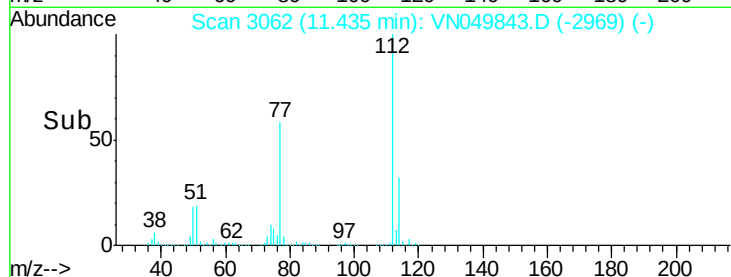
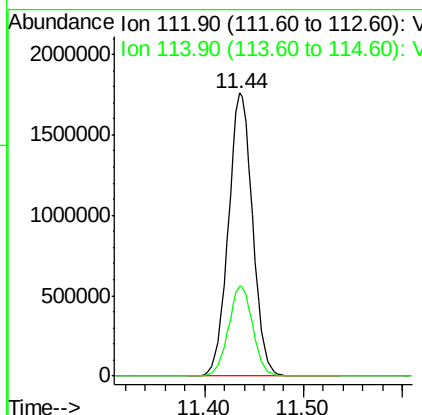
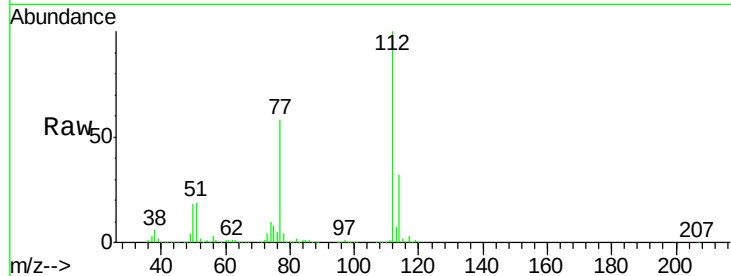
#65
Chlorobenzene
Concen: 134.36 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 3009942
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0

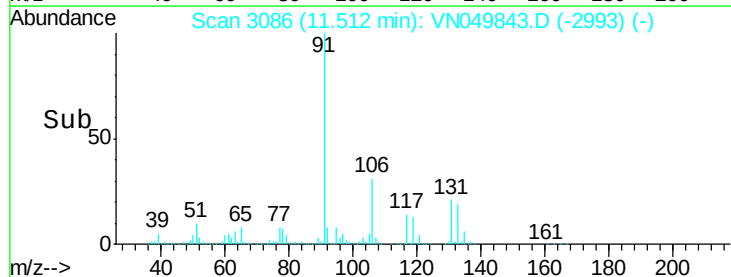
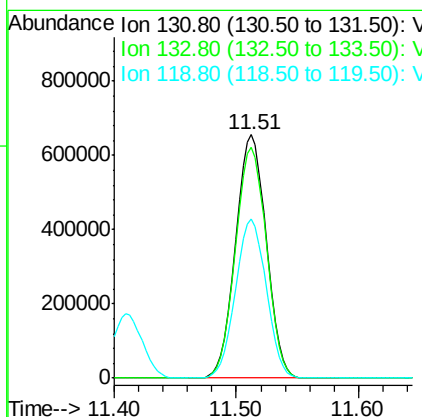
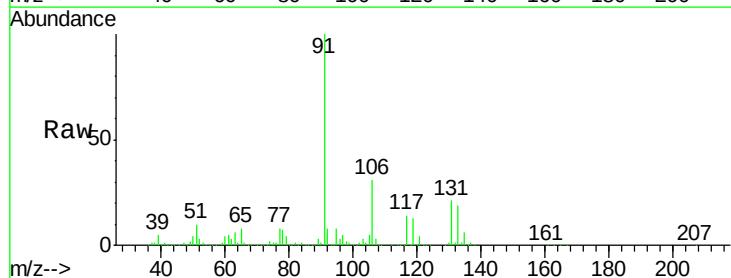
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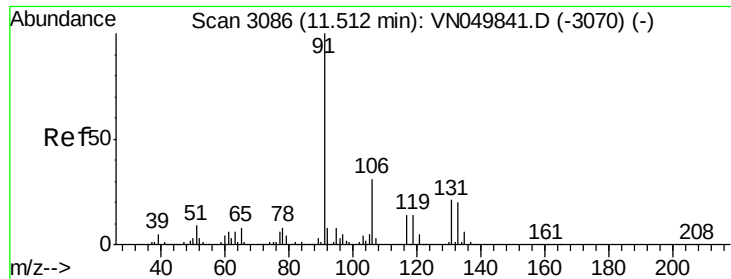
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#66
1,1,1,2-Tetrachloroethane
Concen: 132.43 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion:131 Resp: 1141431
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.6
119 65.5 33.1 99.3





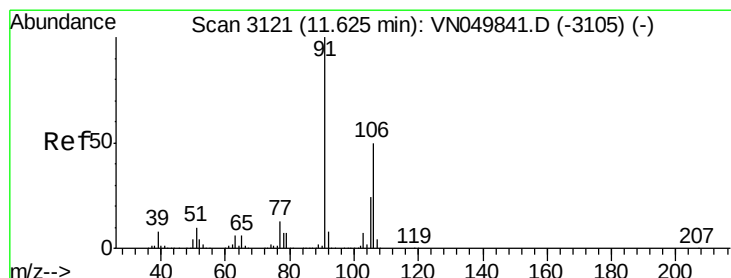
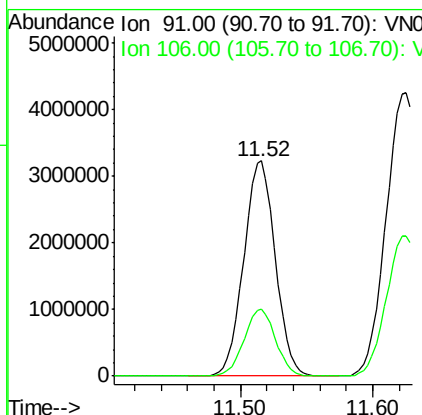
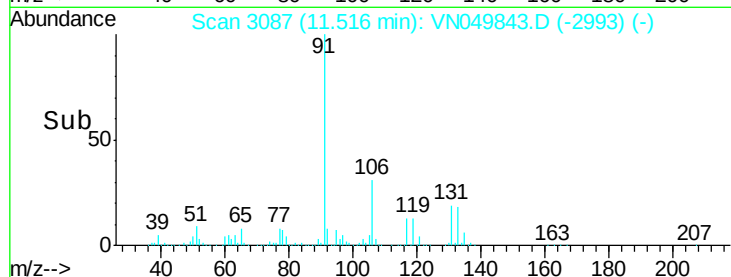
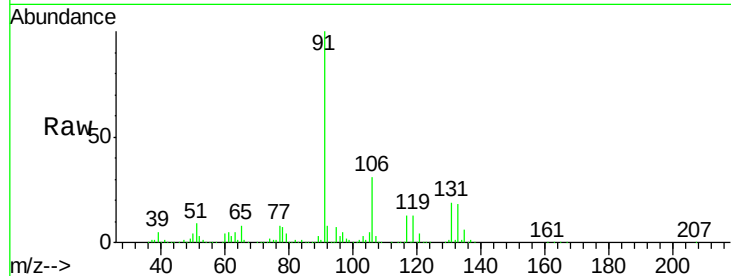
#67
Ethyl Benzene
Concen: 150.52 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 5323014
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

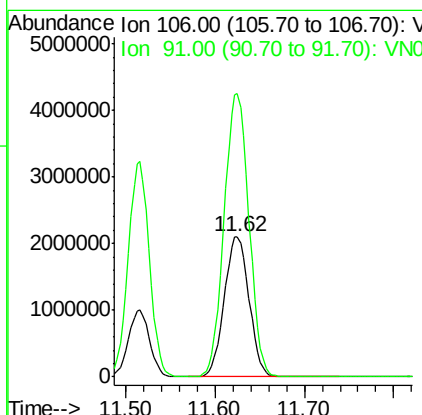
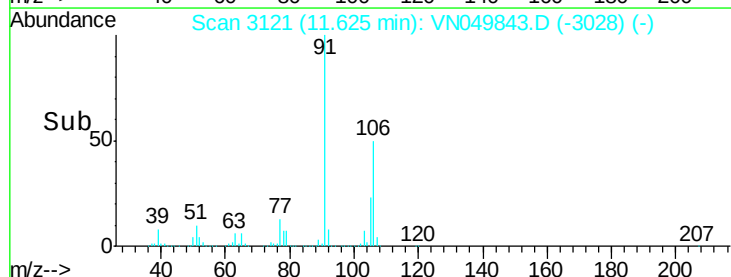
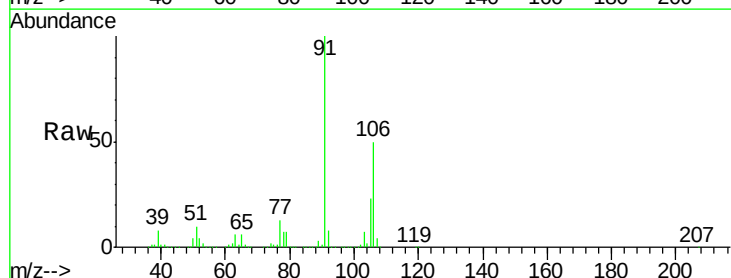
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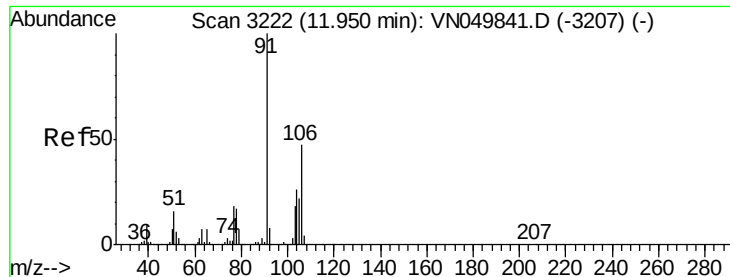
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#68
m/p-Xylenes
Concen: 300.95 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion: 106 Resp: 4038191
Ion Ratio Lower Upper
106 100
91 202.2 163.4 245.2





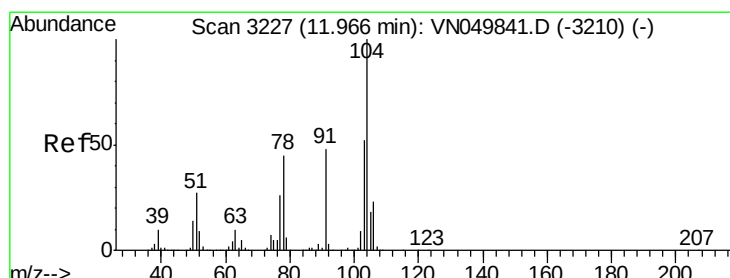
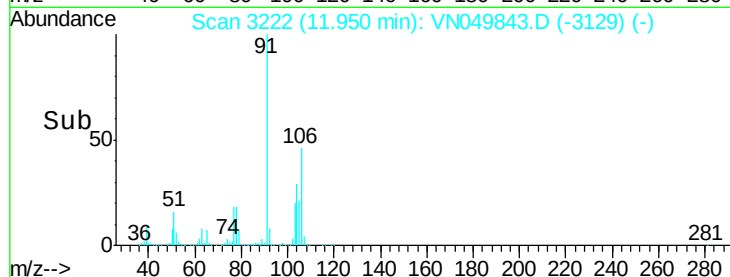
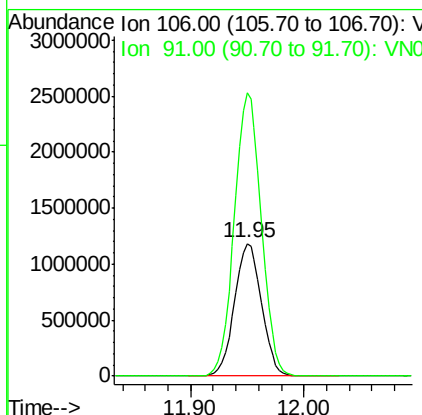
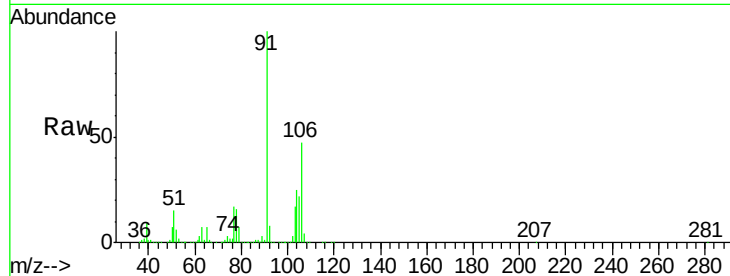
#69
o-Xylene
Concen: 154.18 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1964686
Ion Ratio Lower Upper
106 100
91 213.2 108.7 326.1

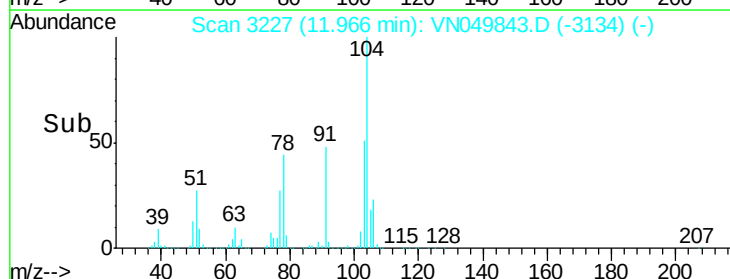
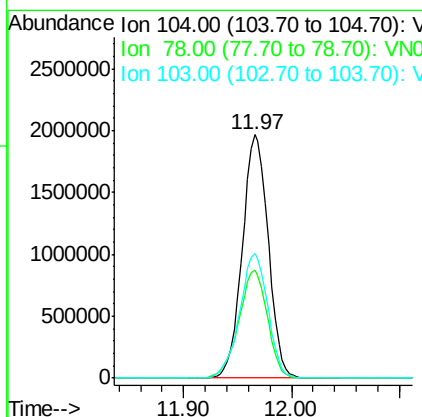
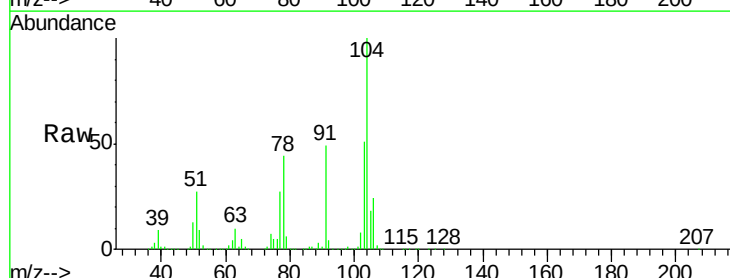
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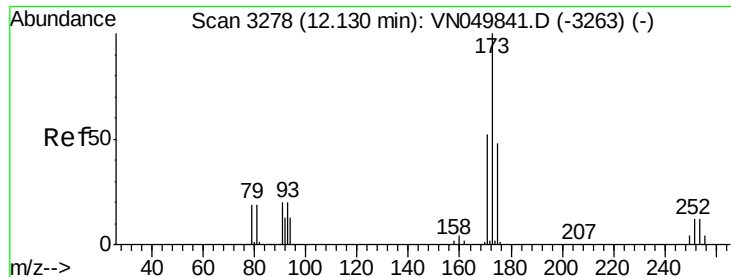
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#70
Styrene
Concen: 160.46 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion:104 Resp: 3291608
Ion Ratio Lower Upper
104 100
78 48.9 39.2 58.8
103 55.6 44.6 67.0





#71

Bromoform

Concen: 143.35 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

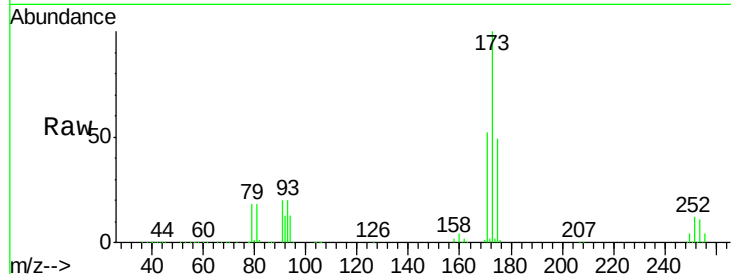
ClientSampled :

VSTDIC150

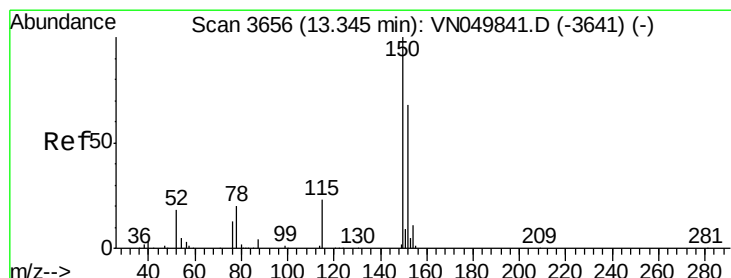
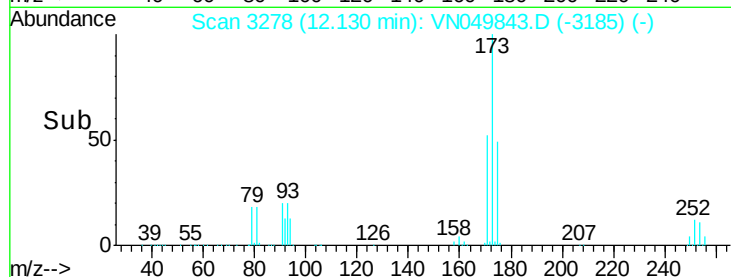
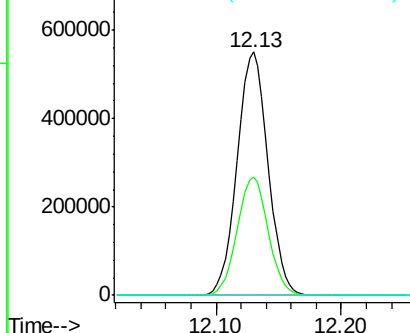
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

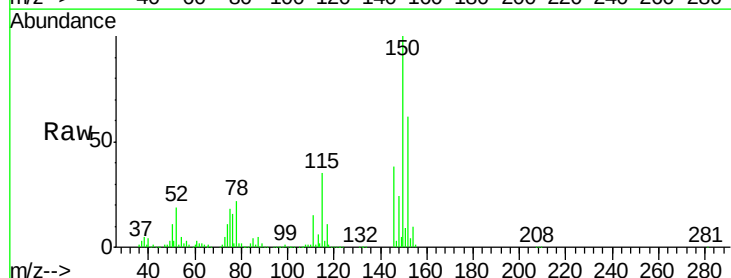
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

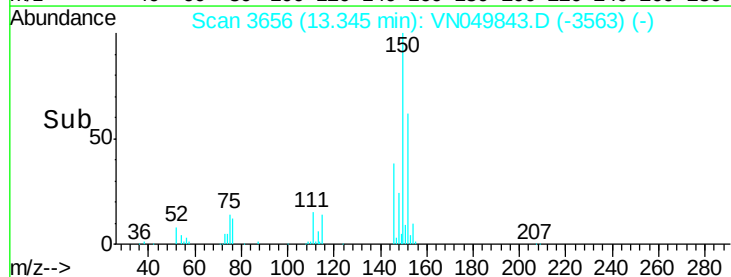
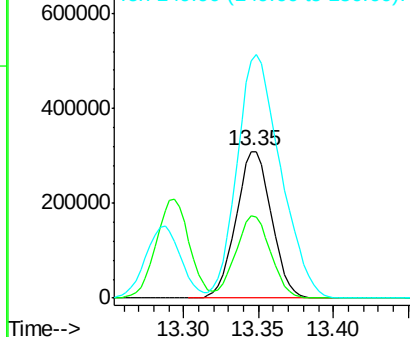
Lab File: VN049843.D

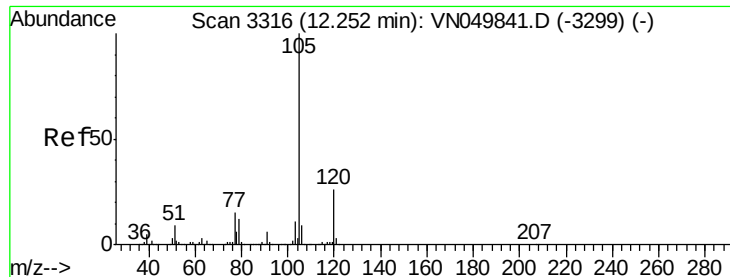
Acq: 17 Jul 2018 12:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.1	84.2
150	203.4	0.0	347.6



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





#73

Isopropylbenzene

Concen: 139.37 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 5204075

Ion Ratio Lower Upper

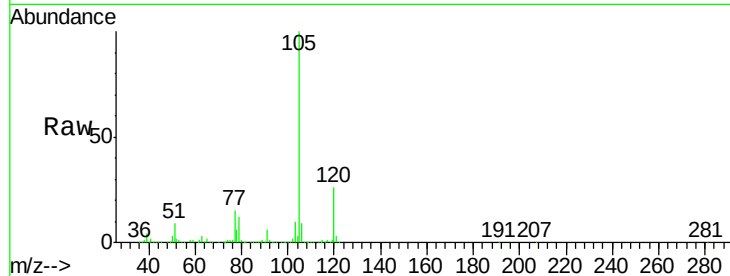
105 100

120 26.5 13.3 39.8

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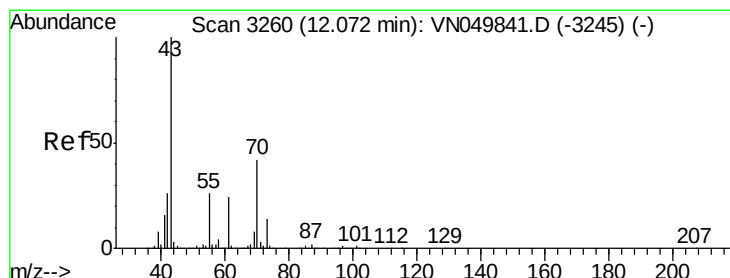
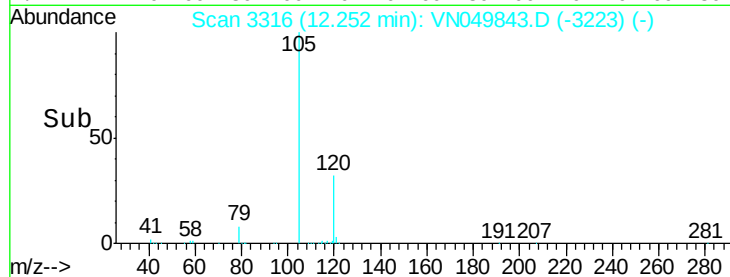
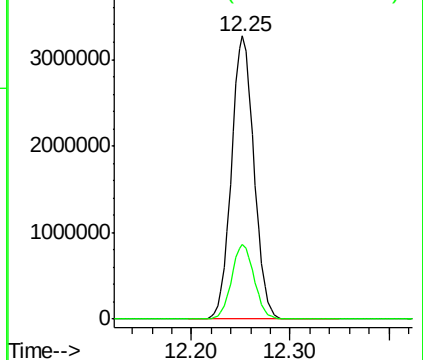
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 148.60 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Tgt Ion: 43 Resp: 1814563

Ion Ratio Lower Upper

43 100

70 43.4 34.8 52.2

55 24.9 20.9 31.3

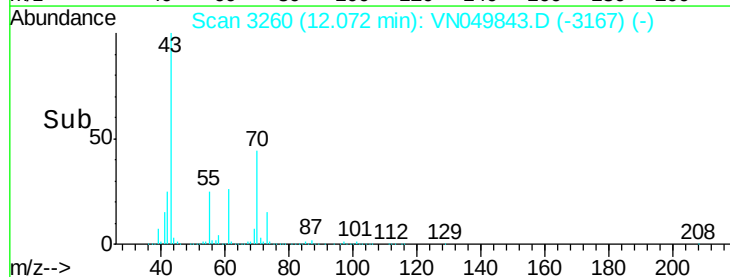
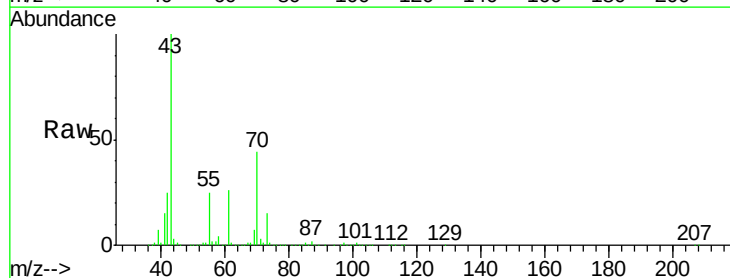
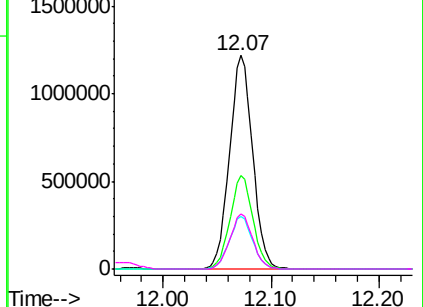
61 25.5 19.9 29.9

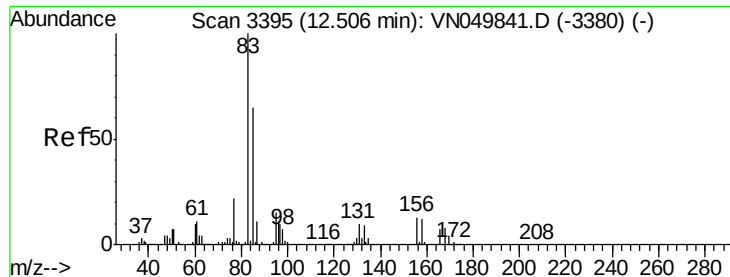
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 118.53 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1453511

Ion Ratio Lower Upper

83 100

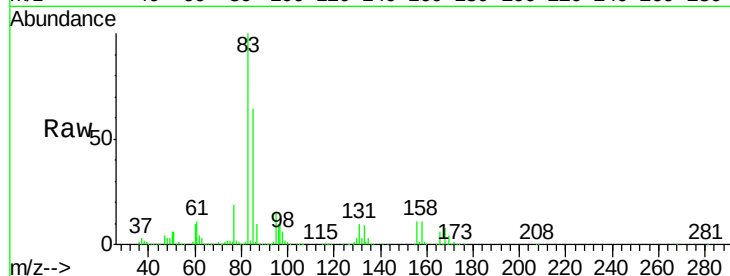
131 10.5 5.2 15.6

85 64.9 32.5 97.4

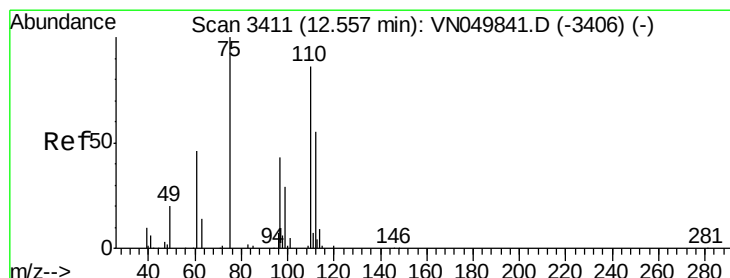
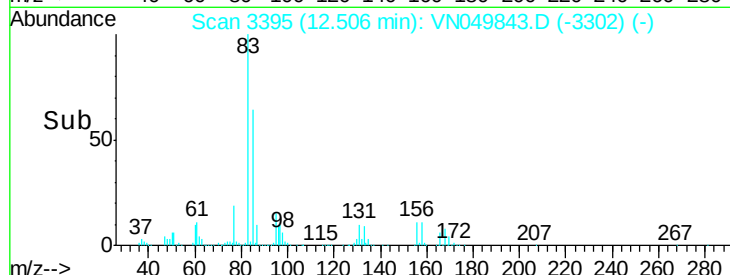
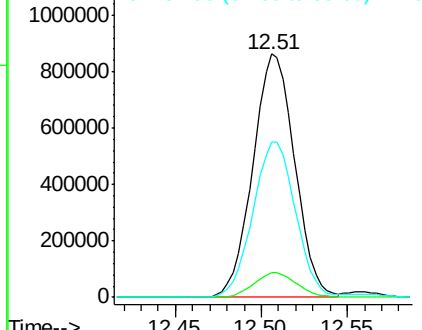
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 128.85 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049843.D

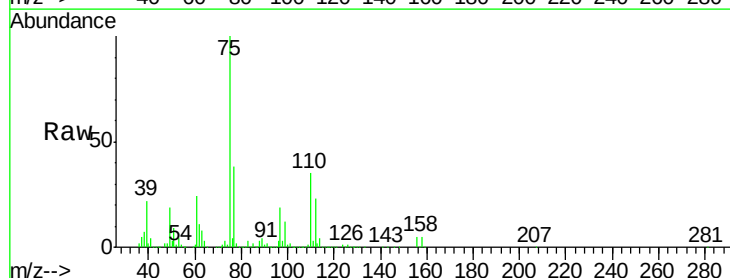
Acq: 17 Jul 2018 12:47

Tgt Ion: 75 Resp: 1315561

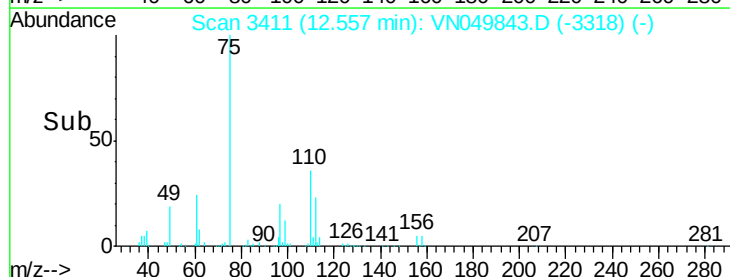
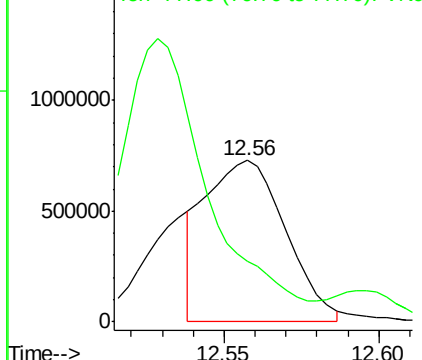
Ion Ratio Lower Upper

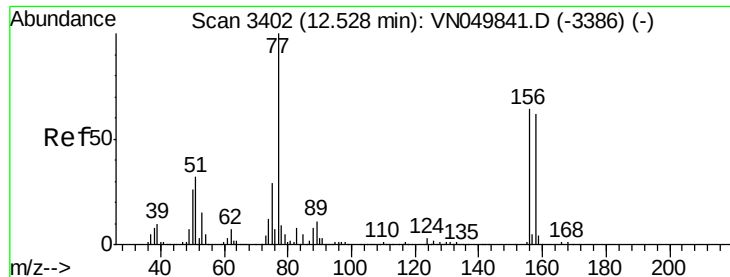
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 131.55 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 1358493

Ion Ratio Lower Upper

156 100

77 188.1 90.2 270.6

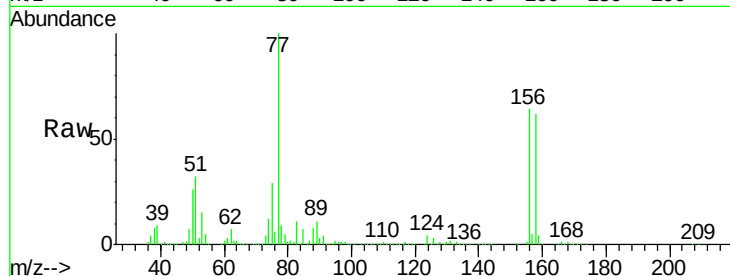
158 97.7 49.1 147.3

Manual Integrations

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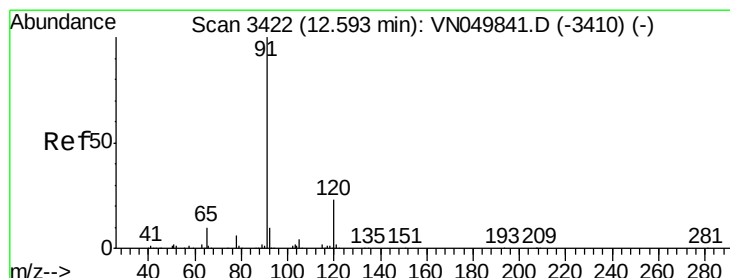
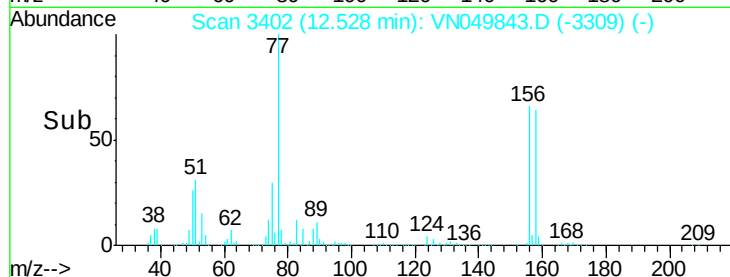
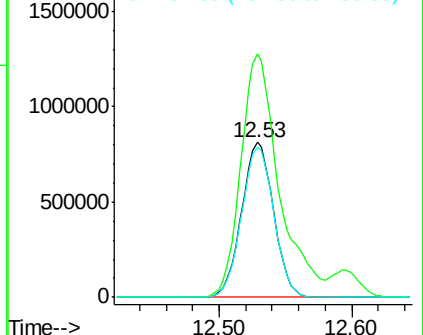
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 142.75 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049843.D

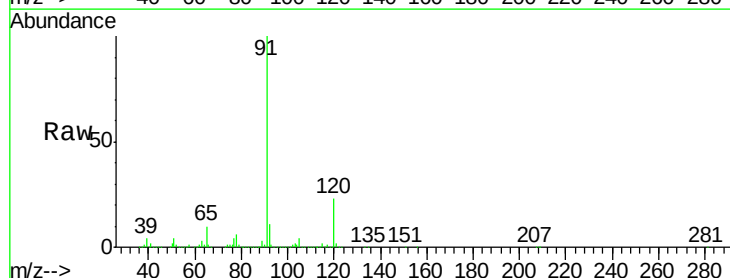
Acq: 17 Jul 2018 12:47

Tgt Ion: 91 Resp: 5975333

Ion Ratio Lower Upper

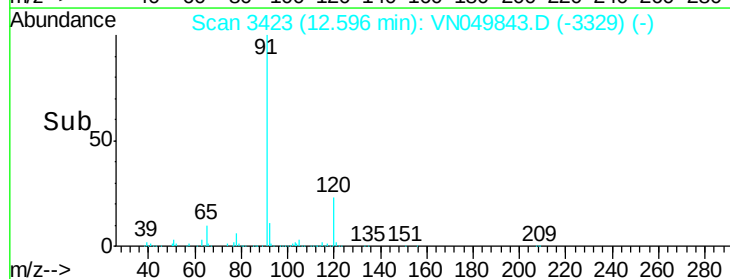
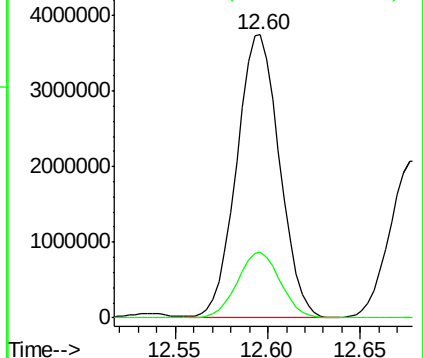
91 100

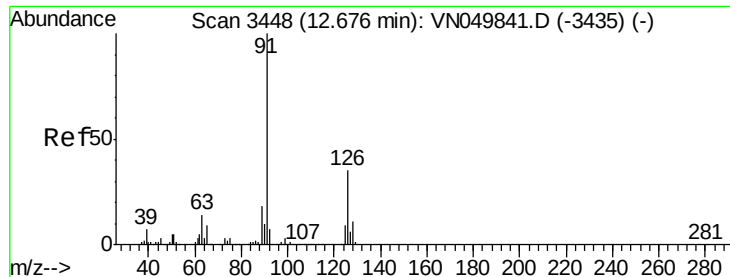
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 135.19 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3523615

Ion Ratio Lower Upper

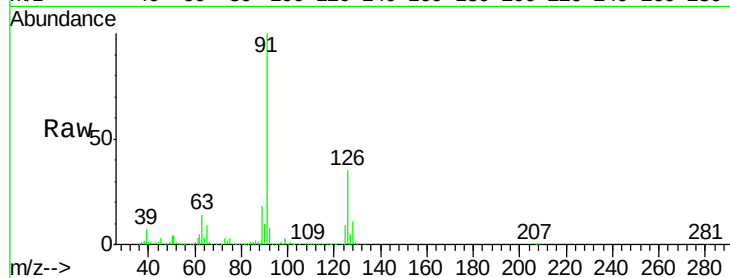
91 100

126 35.0 17.5 52.5

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Abundance Ion 91.00 (90.70 to 91.70): VN049843.D (-3448) (-)

Ion 125.90 (125.60 to 126.60): VN049843.D (-3448) (-)

4000000

3000000

2000000

1000000

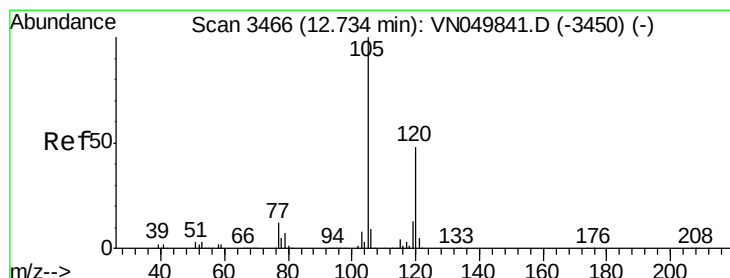
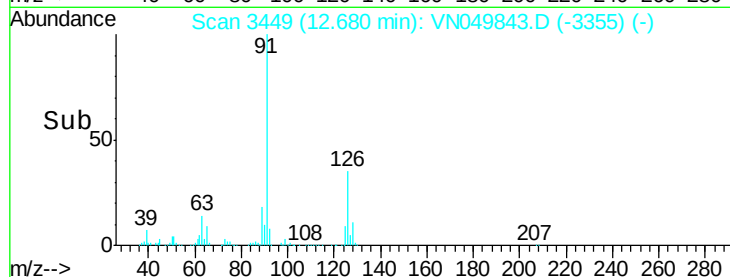
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 144.02 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049843.D

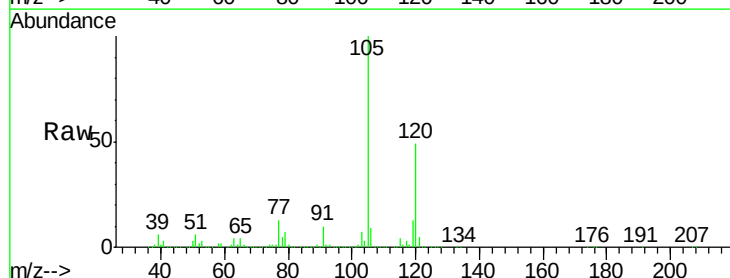
Acq: 17 Jul 2018 12:47

Tgt Ion: 105 Resp: 4192221

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049843.D (-3466) (-)

Ion 120.00 (119.70 to 120.70): VN049843.D (-3466) (-)

3000000

2500000

2000000

1500000

1000000

500000

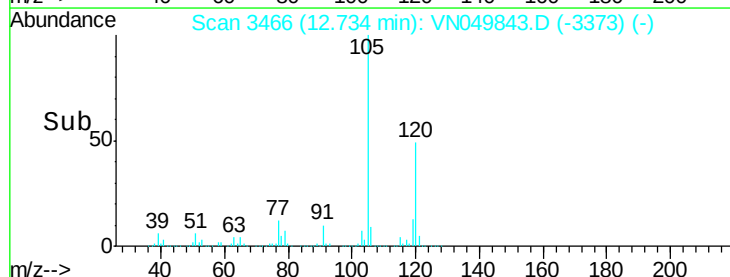
0

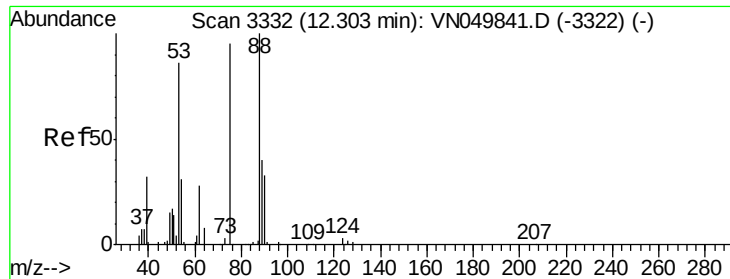
12.70

12.73

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 155.47 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 470783

Ion Ratio Lower Upper

75 100

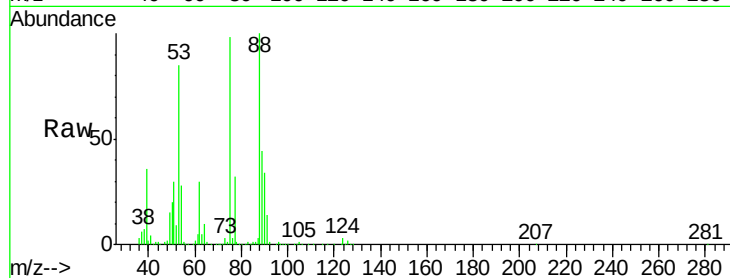
53 88.2 73.9 110.9

89 45.4 35.9 53.9

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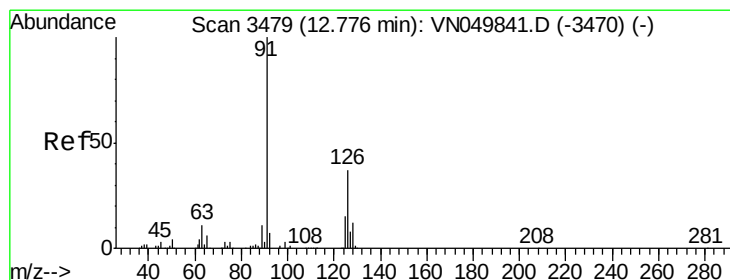
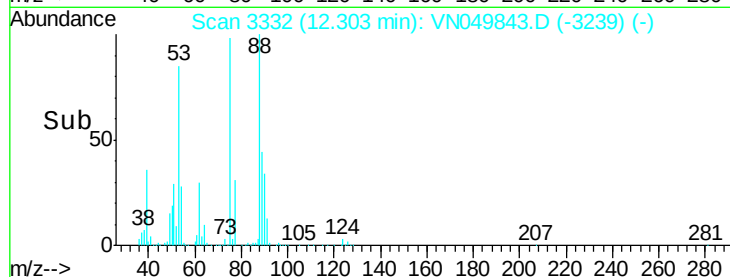
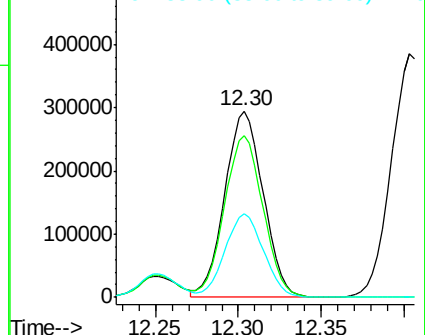
7/18/2018 11:59:12 AM



Abundance Ion 74.90 (74.60 to 75.60): VN049843.D (-3332) (-)

Ion 53.00 (52.70 to 53.70): VN049843.D (-3332) (-)

Ion 88.90 (88.60 to 89.60): VN049843.D (-3332) (-)



#82

4-Chlorotoluene

Concen: 141.37 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049843.D

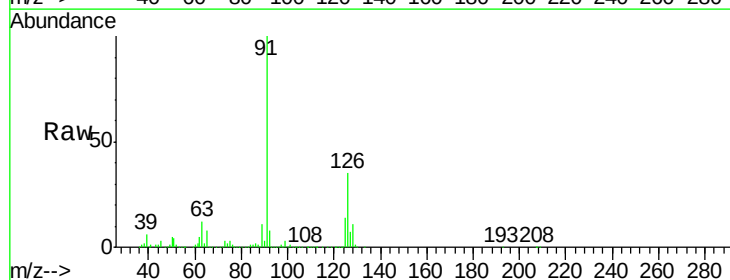
Acq: 17 Jul 2018 12:47

Tgt Ion: 91 Resp: 3615030

Ion Ratio Lower Upper

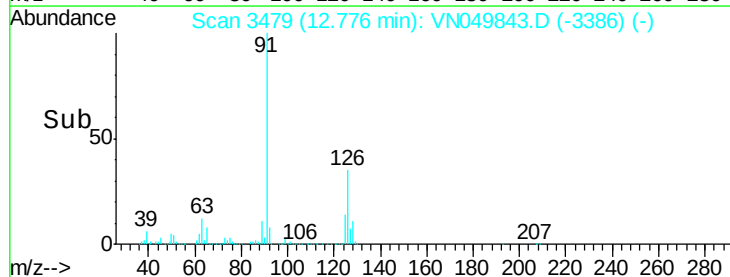
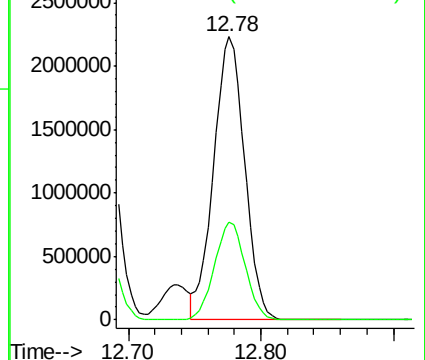
91 100

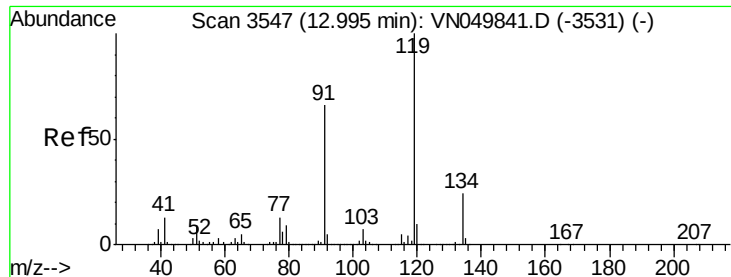
126 34.3 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN049843.D (-3479) (-)

Ion 125.90 (125.60 to 126.60): VN049843.D (-3479) (-)





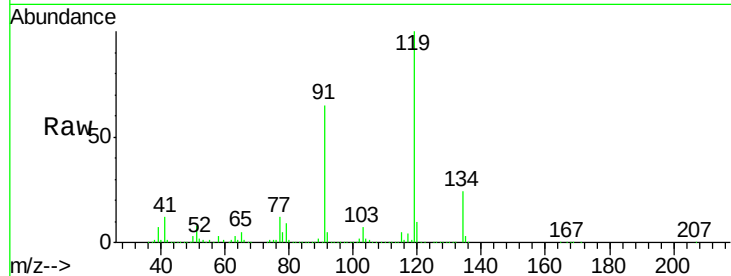
#83
 tert-Butylbenzene
 Concen: 142.96 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

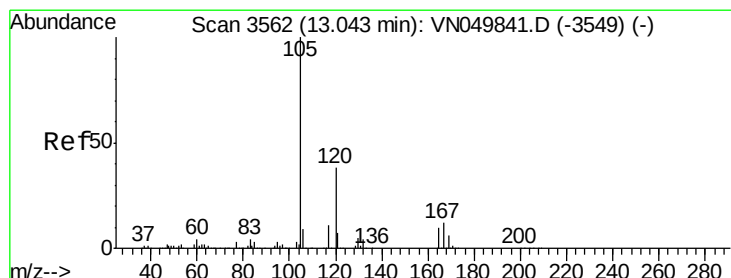
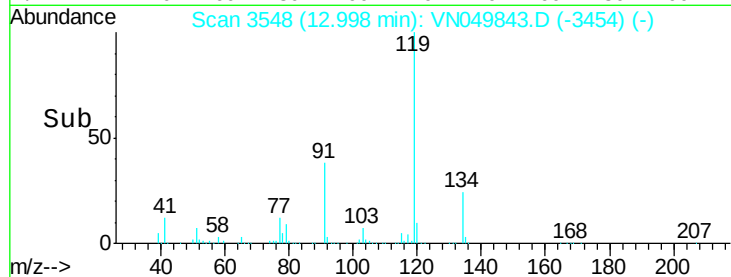
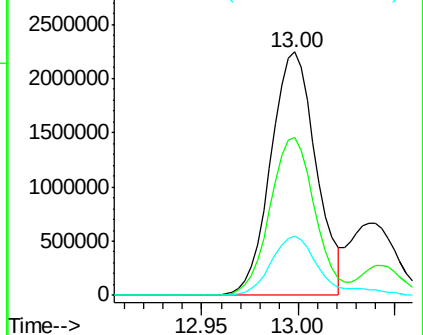
Tot Ion:119 Resp: 3651823
 Ion Ratio Lower Upper
 119 100
 91 64.6 32.0 96.2
 134 26.3 12.8 38.4

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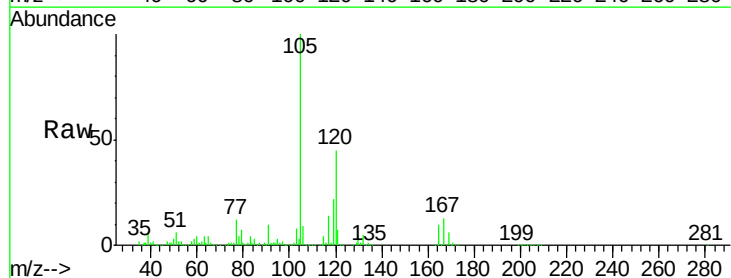


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

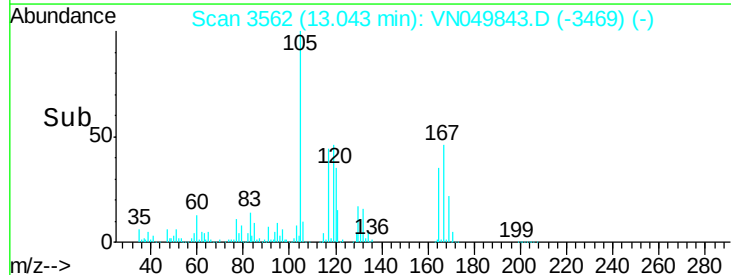
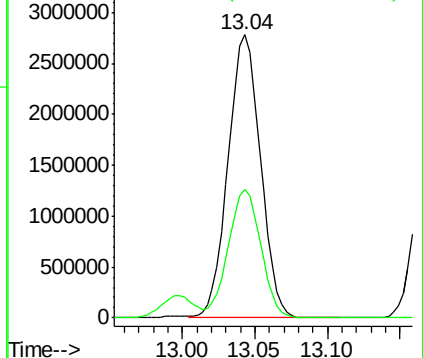


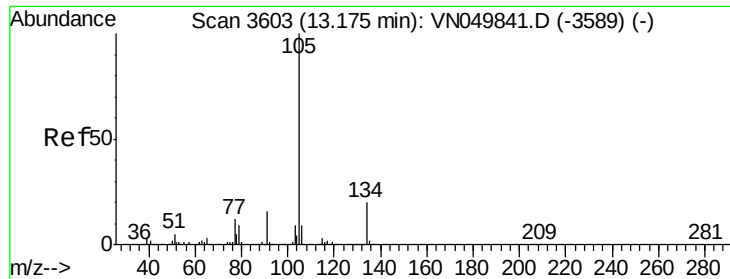
#84
 1,2,4-Trimethylbenzene
 Concen: 145.33 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Tgt Ion:105 Resp: 4307604
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 143.92 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4940516

Ion Ratio Lower Upper

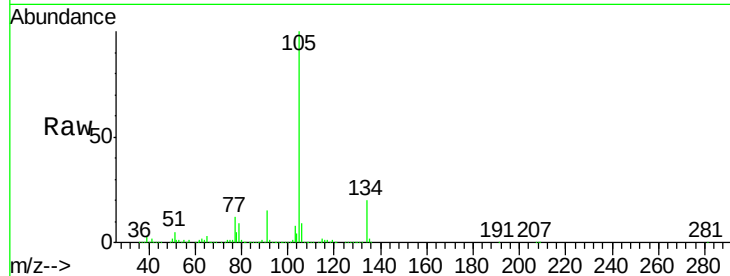
105 100

134 20.2 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

3000000

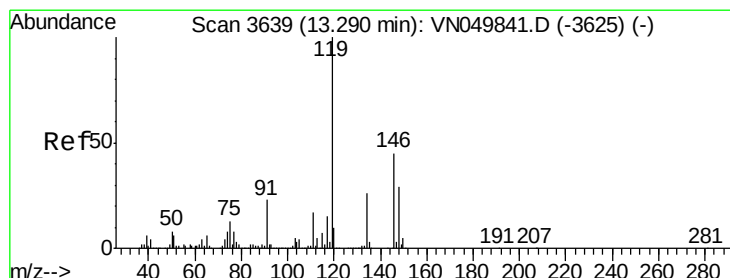
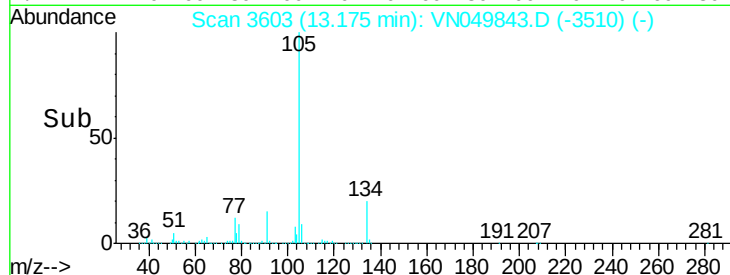
2000000

1000000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 151.44 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

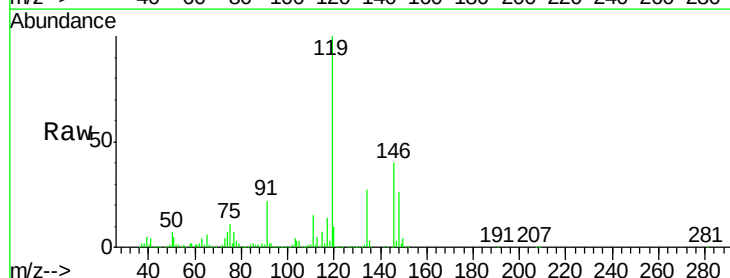
Tgt Ion:119 Resp: 4358739

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 22.5 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

3000000

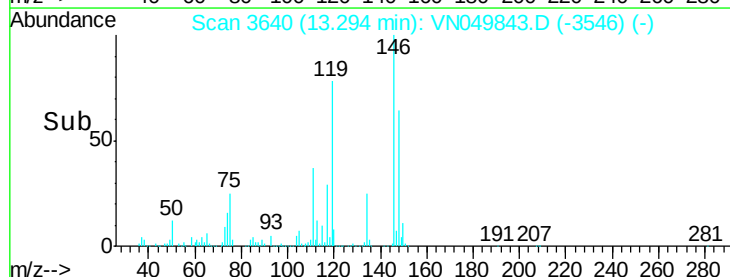
2000000

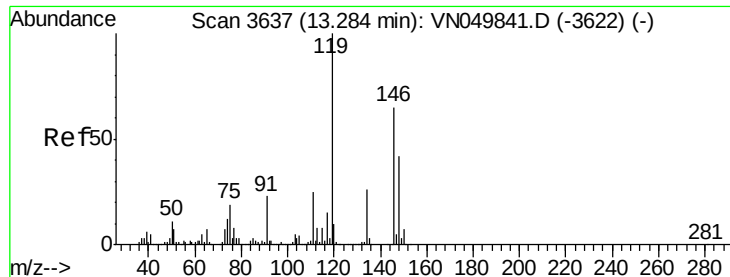
1000000

0

Time-->

13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 136.32 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN049843.D

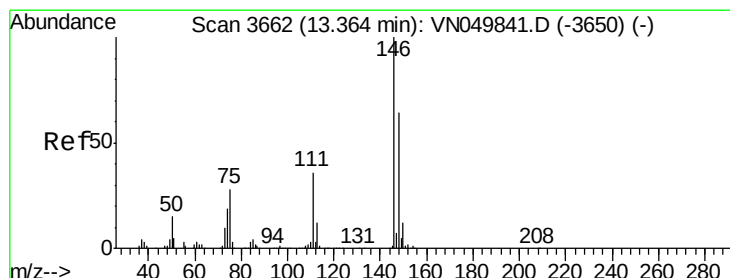
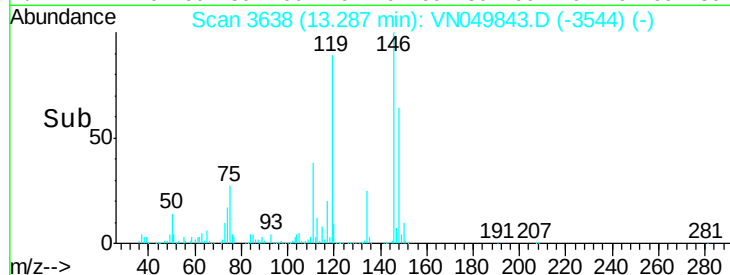
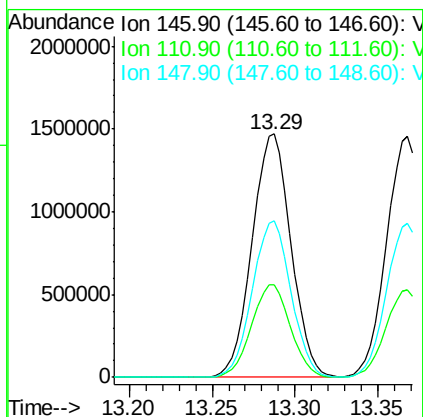
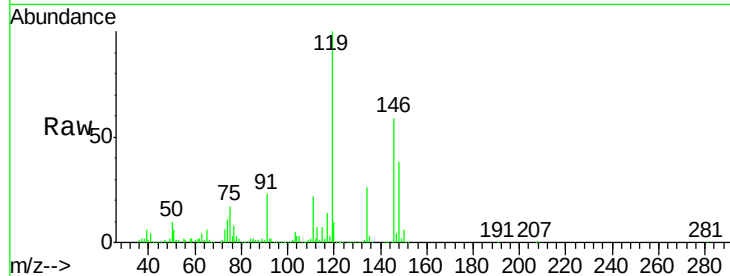
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.0	57.0
148	64.0	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 134.99 ug/l

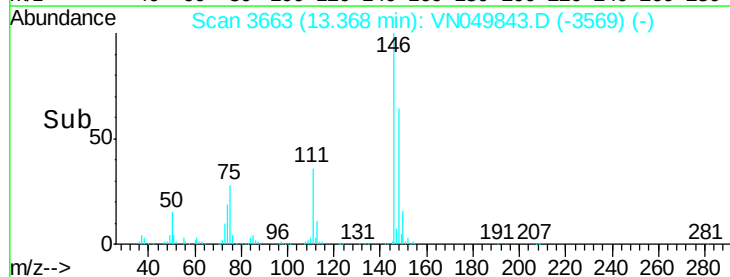
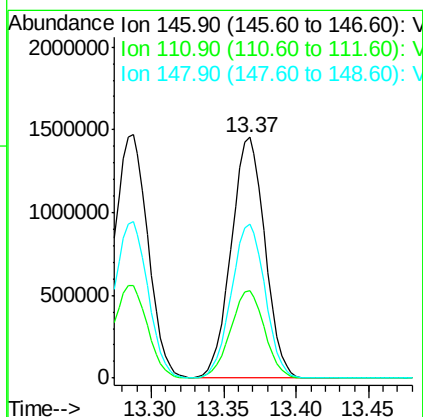
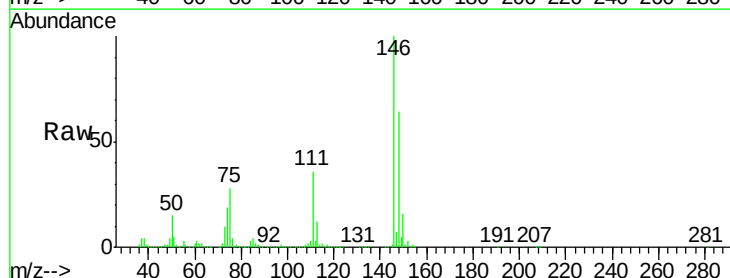
RT: 13.37 min Scan# 3663

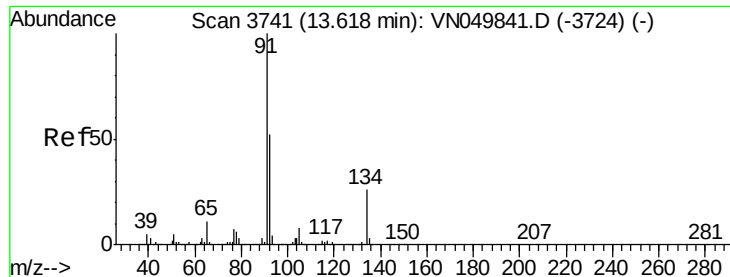
Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.5
148	64.2	32.1	96.3





#89

n-Butylbenzene

Concen: 157.72 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049843.D

Acq: 17 Jul 2018 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3697214

Ion Ratio Lower Upper

91 100

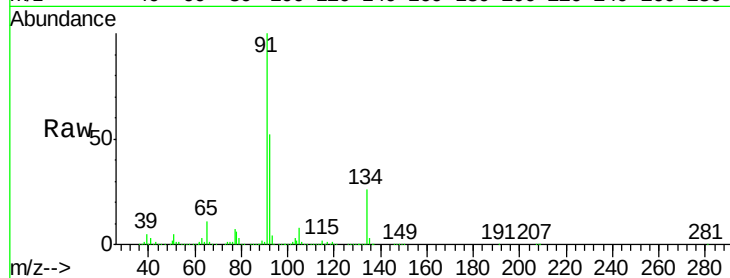
92 52.2 25.8 77.3

134 26.1 13.0 38.9

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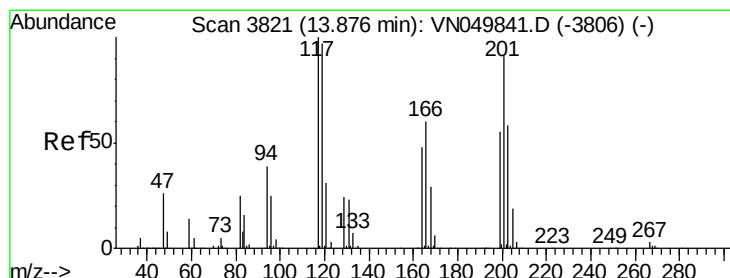
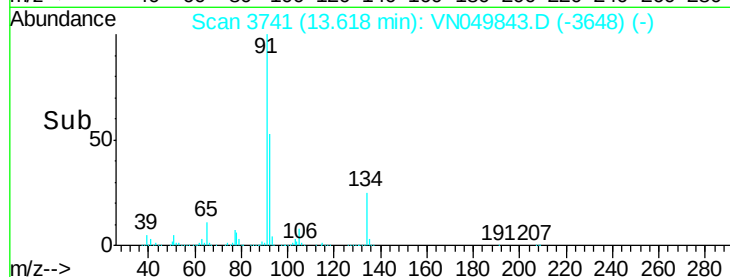


Abundance Ion 91.00 (90.70 to 91.70): VN049841.D (-3724) (-)

Ion 92.00 (91.70 to 92.70): VN049841.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN049841.D (-3724) (-)

Time-->



#90

Hexachloroethane

Concen: 124.62 ug/l

RT: 13.88 min Scan# 3822

Delta R.T. 0.00 min

Lab File: VN049843.D

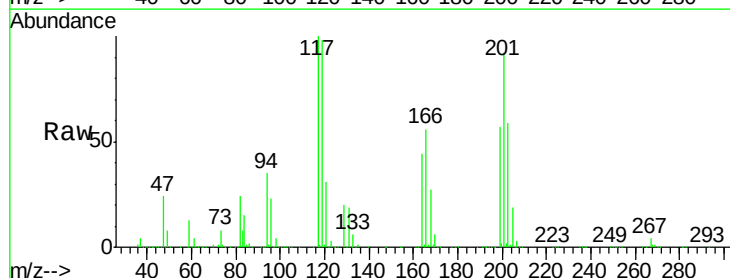
Acq: 17 Jul 2018 12:47

Tgt Ion: 117 Resp: 830306

Ion Ratio Lower Upper

117 100

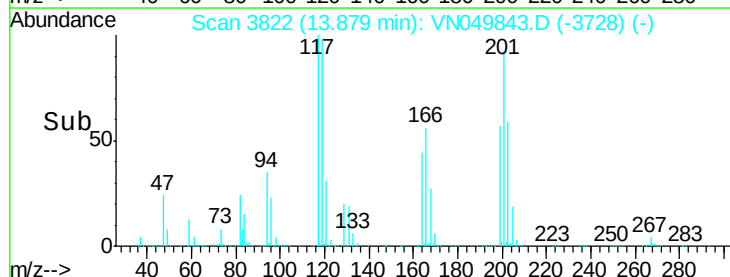
201 91.5 45.3 135.8

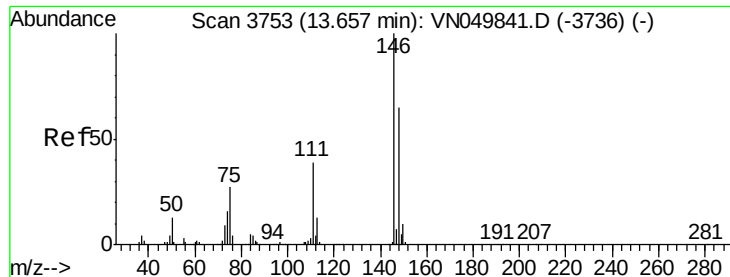


Abundance Ion 116.80 (116.50 to 117.50): VN049841.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN049841.D (-3806) (-)

Time-->





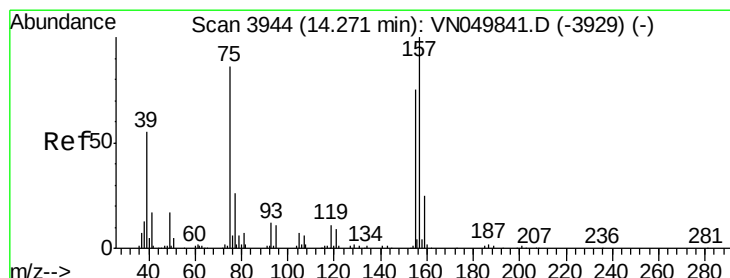
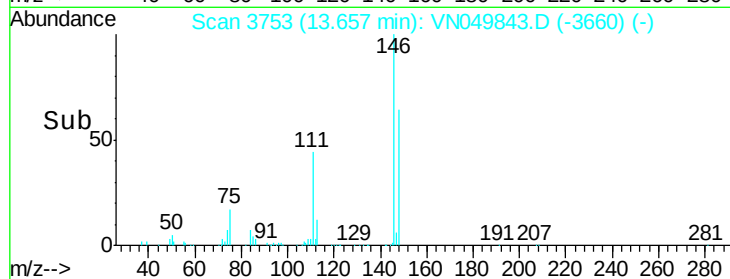
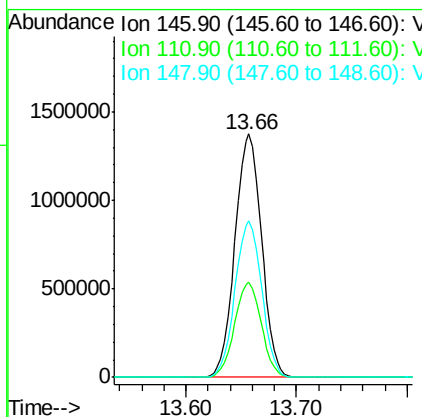
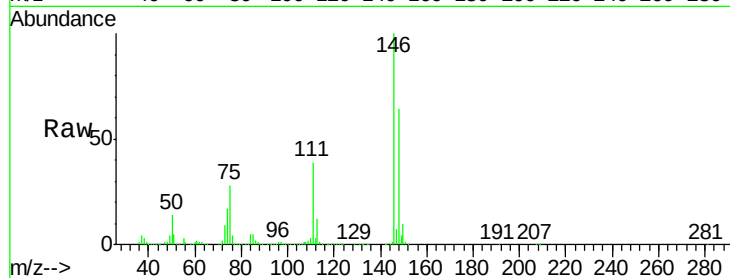
#91
 1,2-Dichlorobenzene
 Concen: 126.69 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.2	32.0	96.2

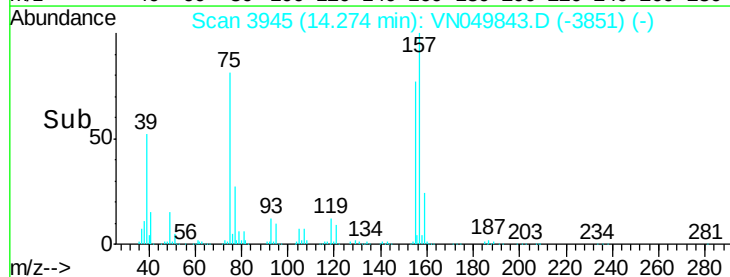
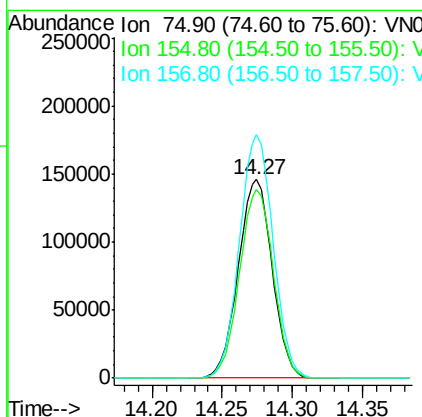
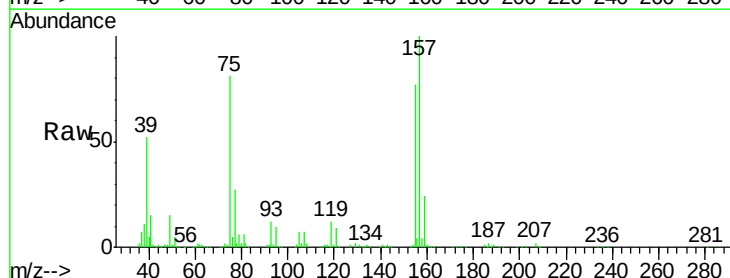
Manual Integrations
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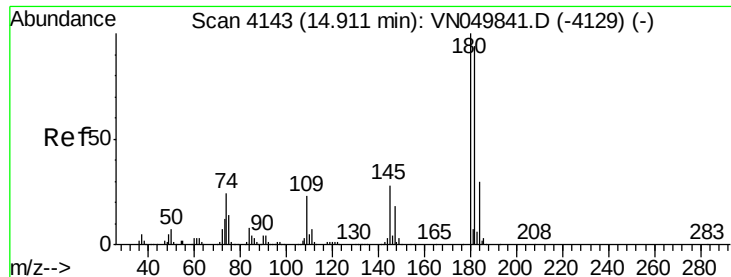
MMDadoda
 7/18/2018 11:59:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 120.23 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	45.7	137.1
157	121.6	56.9	170.7





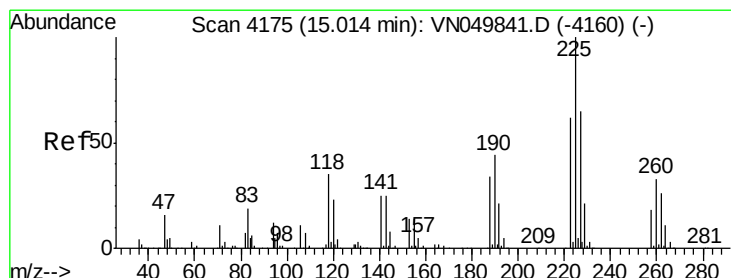
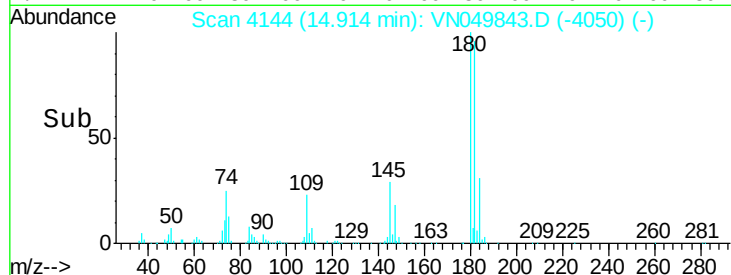
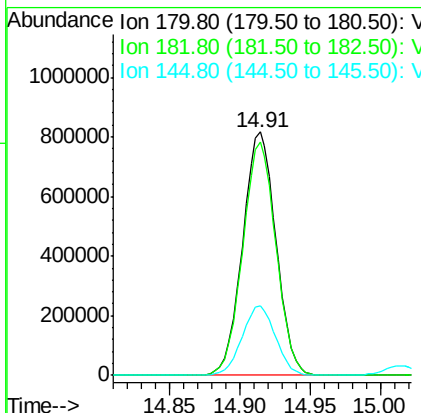
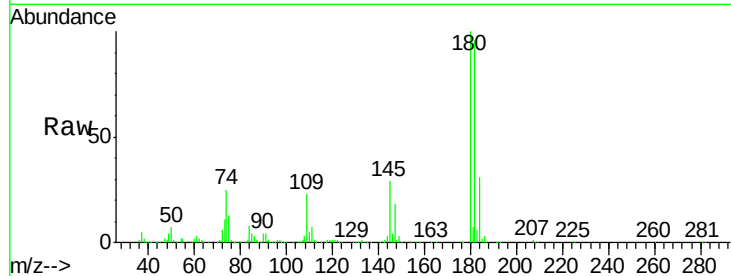
#93
 1,2,4-Trichlorobenzene
 Concen: 176.46 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	28.7	14.4	43.0

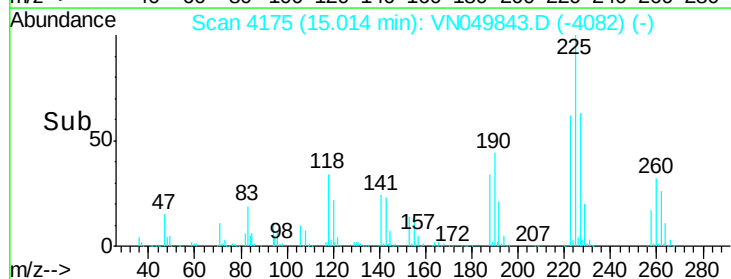
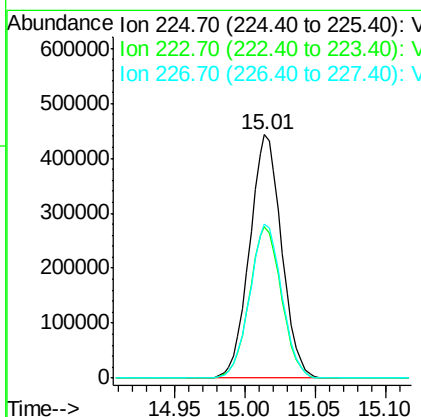
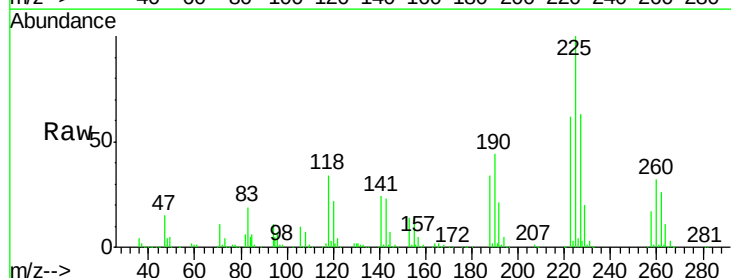
Manual Integrations
 APPROVED

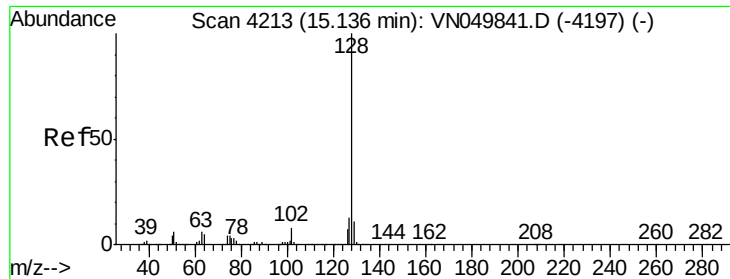
MMDadoda
 7/18/2018 11:59:12 AM



#94
 Hexachlorobutadiene
 Concen: 123.25 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049843.D
 Acq: 17 Jul 2018 12:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.7
227	63.5	31.8	95.4





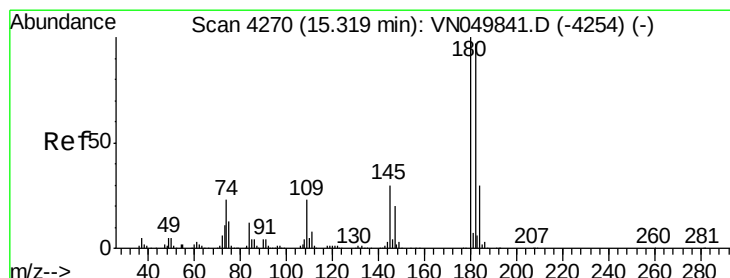
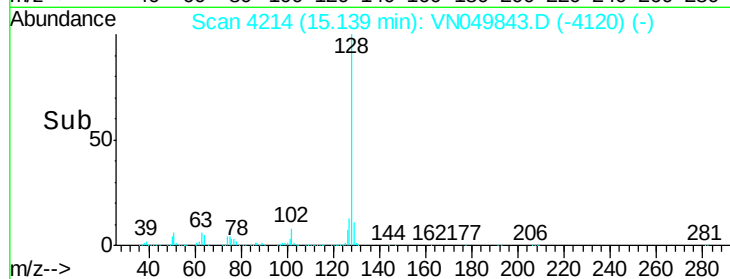
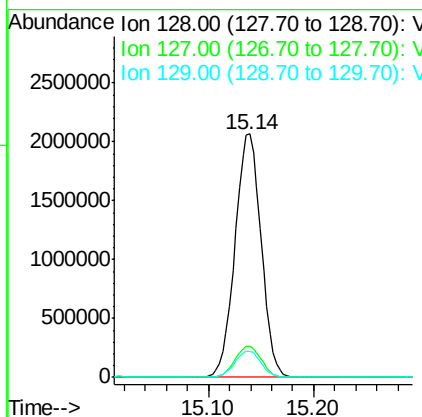
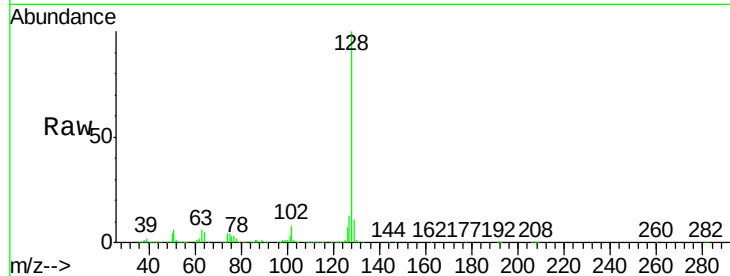
#95
Naphthalene
Concen: 198.38 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 3537495
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.8 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
7/18/2018 11:59:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 162.54 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049843.D
Acq: 17 Jul 2018 12:47

Tgt Ion:180 Resp: 1334375
Ion Ratio Lower Upper
180 100
182 95.4 47.4 142.2
145 30.2 15.2 45.6

