

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049842.D
 Acq On : 17 Jul 2018 12:21
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 12:55:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 12:26:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	656704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	949552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	896527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	498896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	896630	96.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.08%	
35) Dibromofluoromethane	7.59	113	786873	99.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.06%	
50) Toluene-d8	10.09	98	2996038	102.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.22%	
62) 4-Bromofluorobenzene	12.40	95	1065855	105.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	484990	65.68	ug/l	97
3) Chloromethane	2.06	50	658096	68.24	ug/l	100
4) Vinyl Chloride	2.18	62	720028	71.00	ug/l	98
5) Bromomethane	2.54	94	441723	60.17	ug/l	98
6) Chloroethane	2.69	64	452261	72.22	ug/l	100
7) Trichlorofluoromethane	3.00	101	937968	71.20	ug/l	98
8) Diethyl Ether	3.41	74	354010	72.71	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	564858	69.30	ug/l	100
10) Methyl Iodide	3.95	142	826546	88.55	ug/l	99
11) Tert butyl alcohol	4.81	59	315458	341.76	ug/l	99
12) 1,1-Dichloroethene	3.73	96	528749	71.07	ug/l	99
13) Acrolein	3.61	56	283385	418.24	ug/l	99
14) Allyl chloride	4.32	41	895604	72.70	ug/l	100
15) Acrylonitrile	5.00	53	1279124	369.74	ug/l	99
16) Acetone	3.82	43	936904	329.61	ug/l	100
17) Carbon Disulfide	4.05	76	1578960	61.79	ug/l	100
18) Methyl Acetate	4.33	43	627557	60.90	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1675914	76.99	ug/l	99
20) Methylene Chloride	4.55	84	625315	68.64	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	579768	70.37	ug/l	99
22) Diisopropyl ether	5.96	45	1900149	80.25	ug/l	96
23) Vinyl Acetate	5.90	43	7235819	396.81	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1091069	73.82	ug/l	100
25) 2-Butanone	6.84	43	1571668	362.80	ug/l	99
26) 2,2-Dichloropropane	6.83	77	836091	70.17	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	665737	74.66	ug/l	98
28) Bromochloromethane	7.20	49	648547	97.13	ug/l	99
29) Tetrahydrofuran	7.22	42	1029258	367.39	ug/l	99
30) Chloroform	7.37	83	1126115	74.01	ug/l	100
31) Cyclohexane	7.65	56	946256	64.58	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	972987	75.24	ug/l	99
36) 1,1-Dichloropropene	7.79	75	850702	77.52	ug/l	100
37) Ethyl Acetate	6.94	43	664966	76.70	ug/l	99
38) Carbon Tetrachloride	7.78	117	858142	76.05	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	923023	79.72	ug/l	100
40) Benzene	8.04	78	2557606	77.08	ug/l	100
41) Methacrylonitrile	7.18	41	363480	87.89	ug/l	99
42) 1,2-Dichloroethane	8.13	62	843094	77.21	ug/l	99
43) Isopropyl Acetate	8.17	43	1163227	55.90	ug/l	96
44) Trichloroethene	8.84	130	659600	75.18	ug/l	99
45) 1,2-Dichloropropane	9.12	63	674804	78.81	ug/l	100
46) Dibromomethane	9.21	93	429018	75.46	ug/l	99
47) Bromodichloromethane	9.41	83	877099	77.55	ug/l	98
48) Methyl methacrylate	9.20	41	597430	81.10	ug/l	98
49) 1,4-Dioxane	9.20	88	184057	1531.98	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3529241	397.05	ug/l	99
52) Toluene	10.16	92	1620797	81.24	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	957487	81.88	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1033681	80.91	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	622593	77.32	ug/l	99
56) Ethyl methacrylate	10.43	69	911772	85.82	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1044415	79.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2054991	414.63	ug/l	100
59) 2-Hexanone	10.76	43	2526461	400.88	ug/l	100
60) Dibromochloromethane	10.90	129	730096	81.21	ug/l	100
61) 1,2-Dibromoethane	11.01	107	637847	79.52	ug/l	99
64) Tetrachloroethene	10.63	164	609235	73.65	ug/l	98
65) Chlorobenzene	11.44	112	1771079	76.38	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	674390	78.26	ug/l	100
67) Ethyl Benzene	11.51	91	3115341	82.12	ug/l	99
68) m/p-Xylenes	11.63	106	2380614	164.62	ug/l	99
69) o-Xylene	11.95	106	1155645	84.05	ug/l	98
70) Styrene	11.97	104	1941109	86.24	ug/l	100
71) Bromoform	12.13	173	558099	81.45	ug/l #	99
73) Isopropylbenzene	12.25	105	3064959	77.25	ug/l	100
74) N-amyl acetate	12.07	43	1079052	77.66	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	896568	69.58	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	793690m	73.72	ug/l	
77) Bromobenzene	12.53	156	813915	75.40	ug/l	97
78) n-propylbenzene	12.59	91	3545956	78.81	ug/l	99
79) 2-Chlorotoluene	12.68	91	2109663	75.61	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2506780	79.66	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	271661	79.63	ug/l	99
82) 4-Chlorotoluene	12.78	91	2145224	75.74	ug/l	100
83) tert-Butylbenzene	13.00	119	2173120	78.05	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2571856	80.21	ug/l	100
85) sec-Butylbenzene	13.17	105	2925130	79.08	ug/l	100
86) p-Isopropyltoluene	13.29	119	2573141	81.59	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	1445720	75.48	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1408751	72.43	ug/l	99
89) n-Butylbenzene	13.62	91	2167038	81.52	ug/l	100
90) Hexachloroethane	13.88	117	491567	73.39	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1412554	74.78	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	148103	65.26	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	771160	80.38	ug/l	100
94) Hexachlorobutadiene	15.01	225	423989	72.03	ug/l	99
95) Naphthalene	15.14	128	1983246	83.01	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	769499	76.23	ug/l	99

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

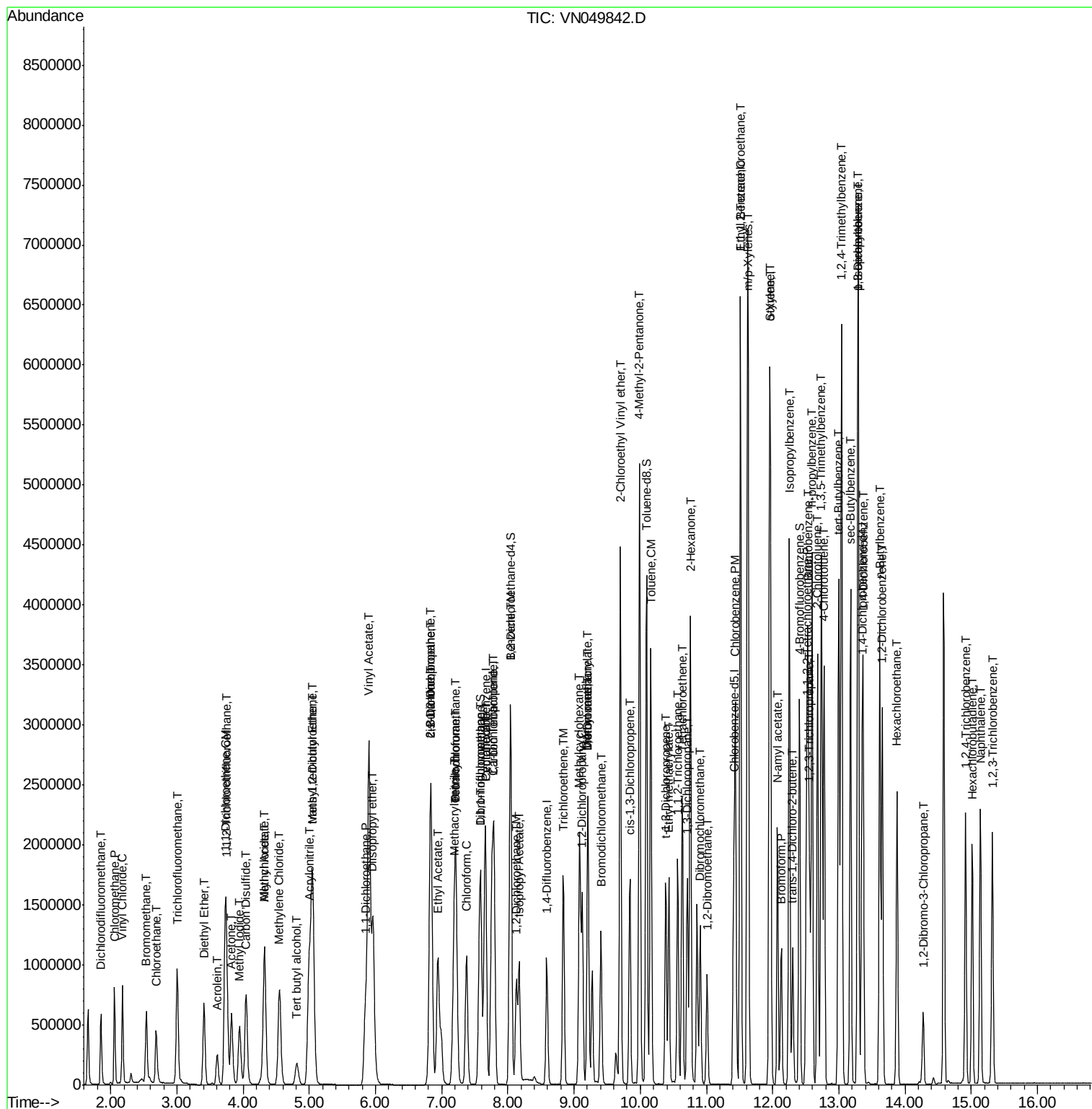
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071718\
Data File : VN049842.D
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Operator : MD\SY
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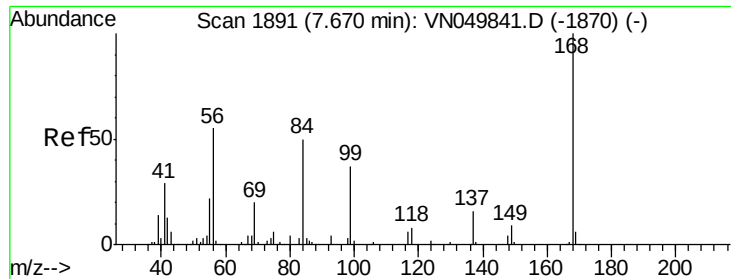
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 656704

Ion Ratio Lower Upper

168 100

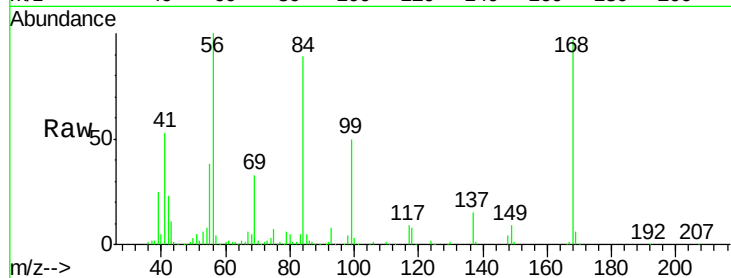
99 51.1 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

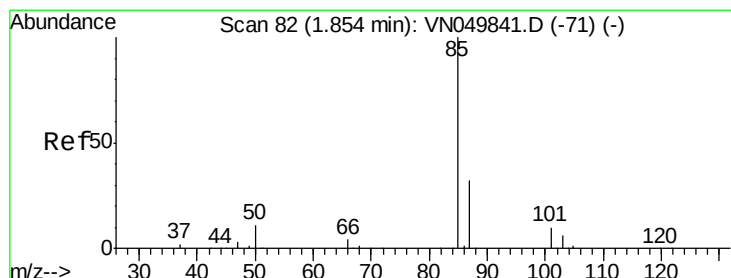
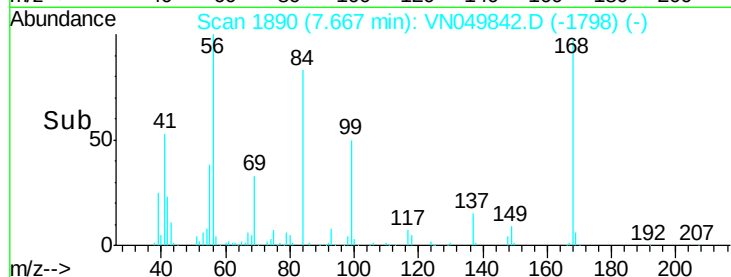
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 65.68 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049842.D

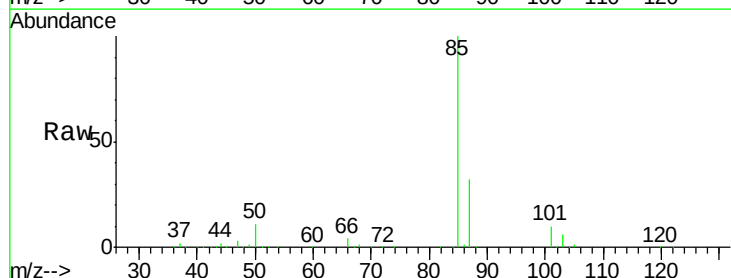
Acq: 17 Jul 2018 12:21

Tgt Ion: 85 Resp: 484990

Ion Ratio Lower Upper

85 100

87 32.4 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

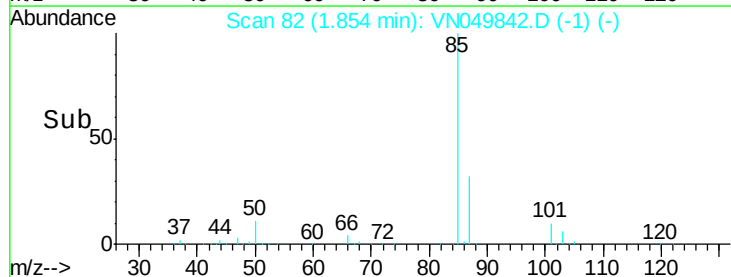
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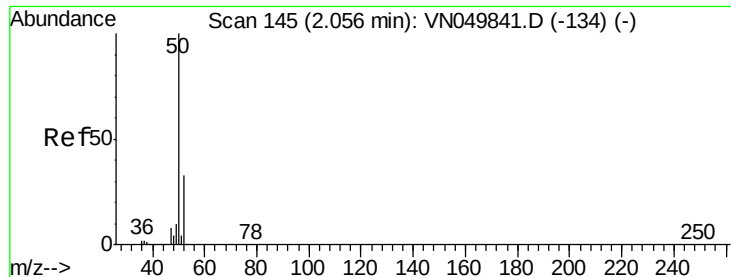
200000

100000

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Time-->





#3

Chloromethane

Concen: 68.24 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 658096

Ion Ratio Lower Upper

50 100

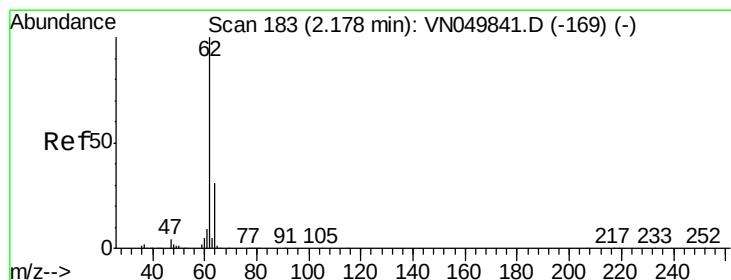
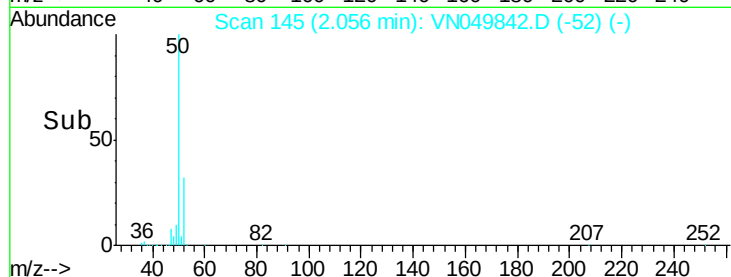
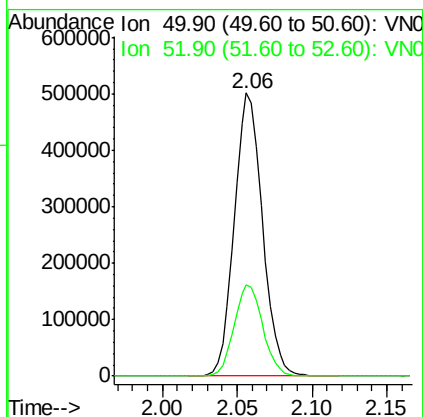
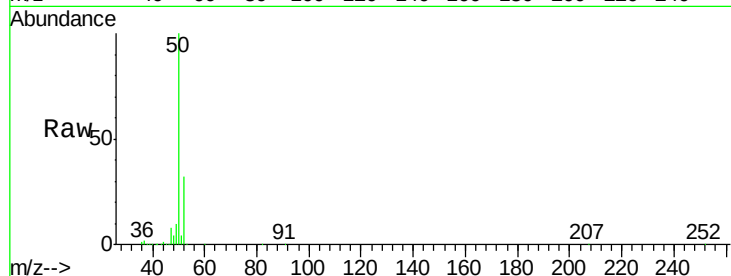
52 32.5 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 71.00 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN049842.D

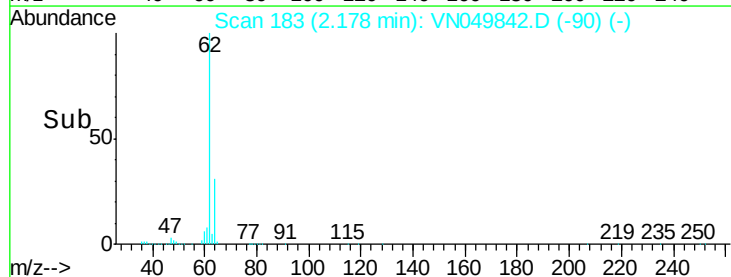
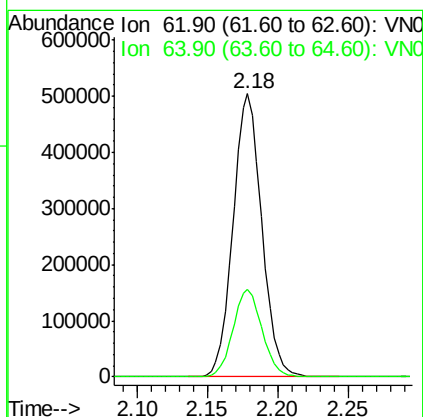
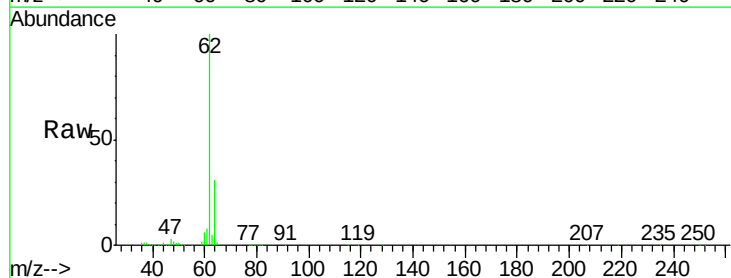
Acq: 17 Jul 2018 12:21

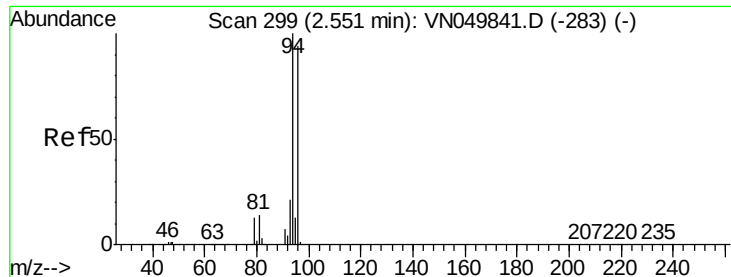
Tgt Ion: 62 Resp: 720028

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.0





#5

Bromomethane

Concen: 60.17 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.01 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

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Tot Ion: 94 Resp: 441723

Ion Ratio Lower Upper

94 100

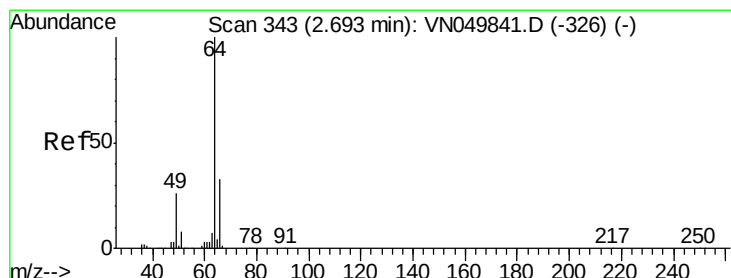
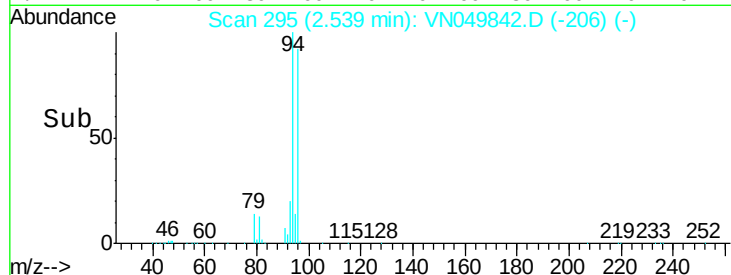
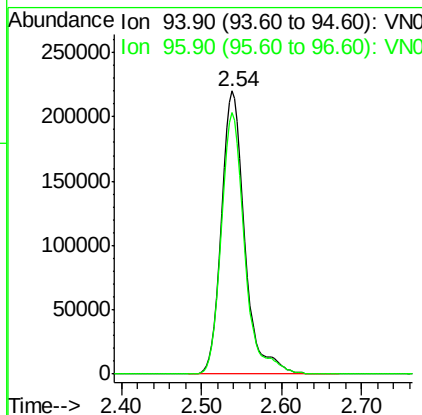
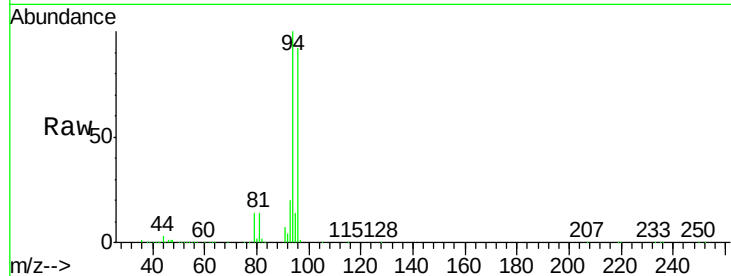
96 92.5 75.7 113.5

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#6

Chloroethane

Concen: 72.22 ug/l

RT: 2.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VN049842.D

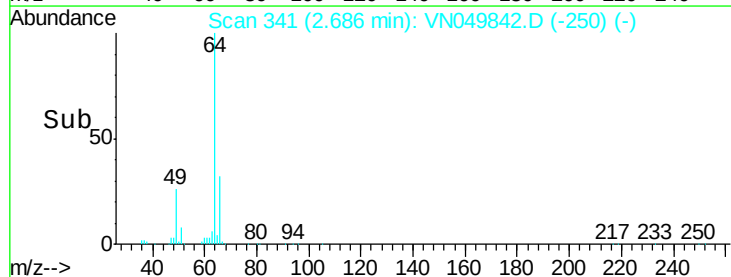
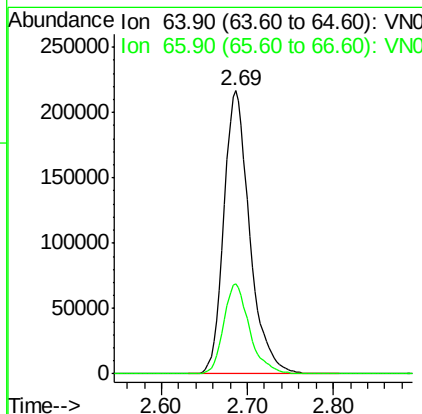
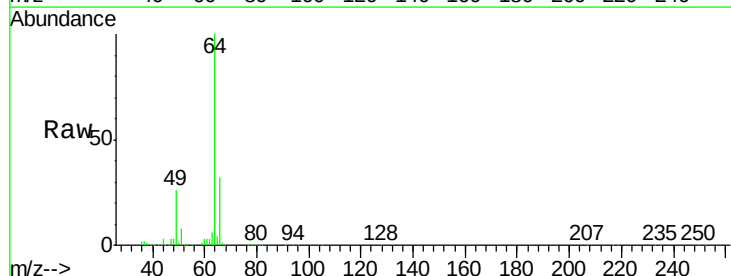
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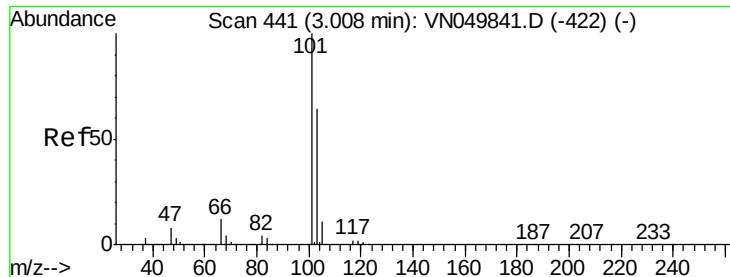
Tgt Ion: 64 Resp: 452261

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4





#7

Trichlorofluoromethane

Concen: 71.20 ug/l

RT: 3.00 min Scan# 440

Delta R.T. -0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:101 Resp: 937968

Ion Ratio Lower Upper

101 100

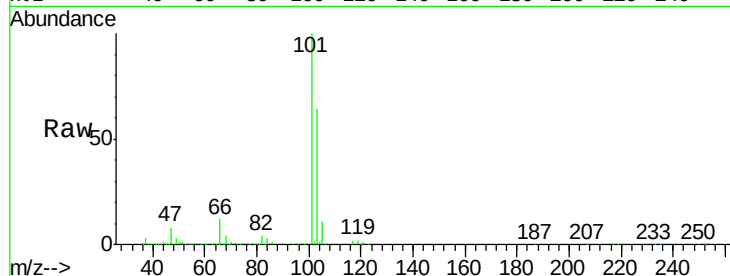
103 64.0 52.8 79.2

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.00

400000

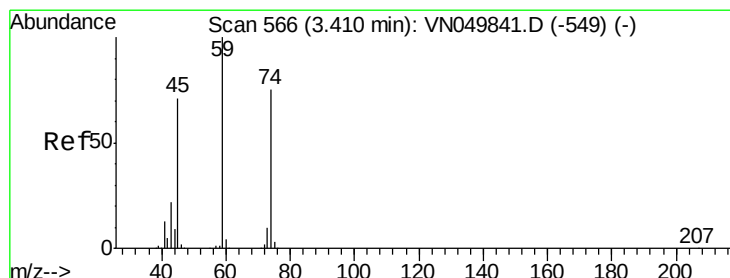
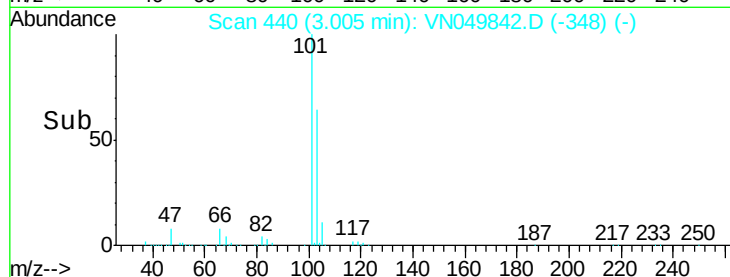
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200000

100000

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Time-->



#8

Diethyl Ether

Concen: 72.71 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049842.D

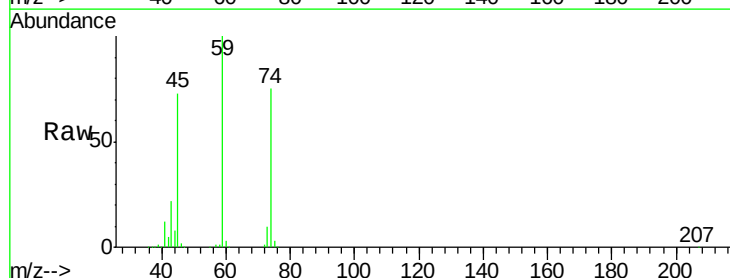
Acq: 17 Jul 2018 12:21

Tgt Ion: 74 Resp: 354010

Ion Ratio Lower Upper

74 100

45 96.1 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.41

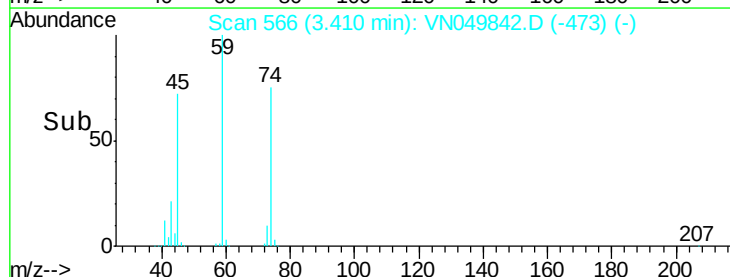
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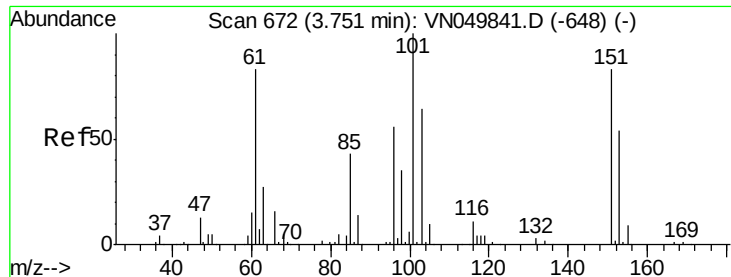
100000

50000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.30 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049842.D

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Instrument :

MSVOA_N

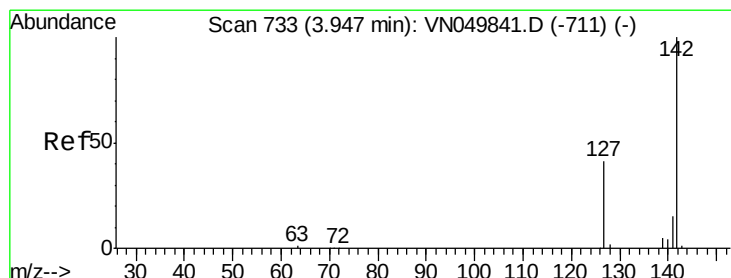
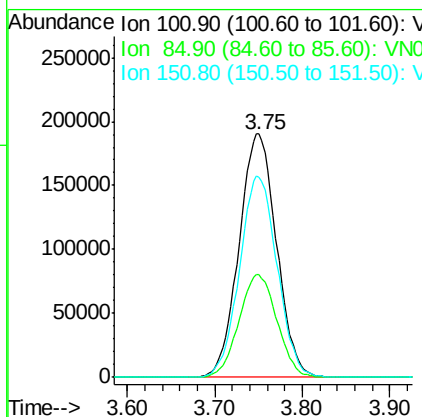
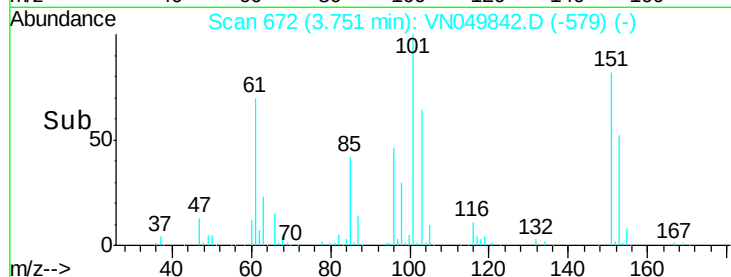
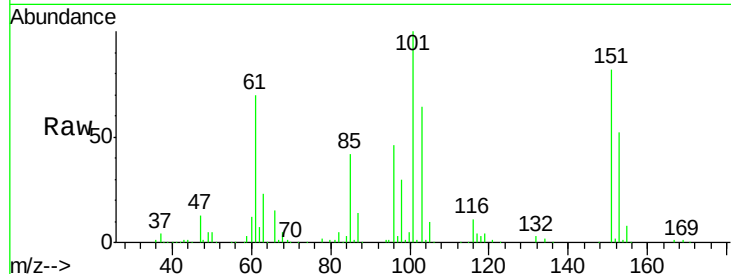
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	564858
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.4	51.6
151	83.0	66.2	99.4

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#10

Methyl Iodide

Concen: 88.55 ug/l

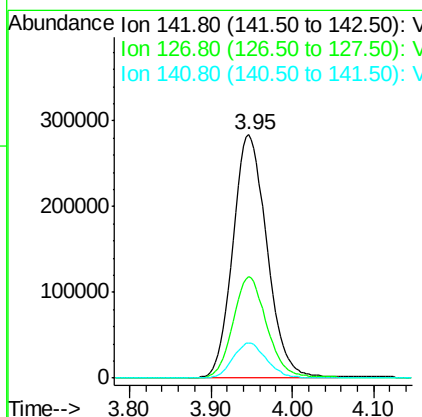
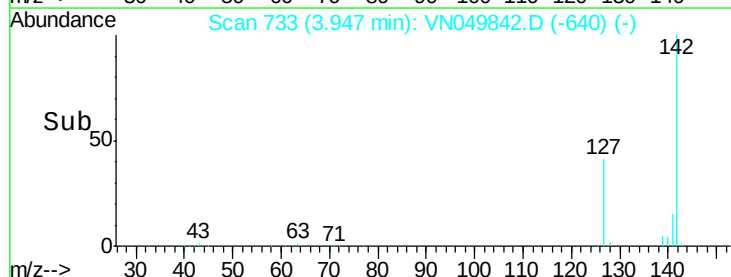
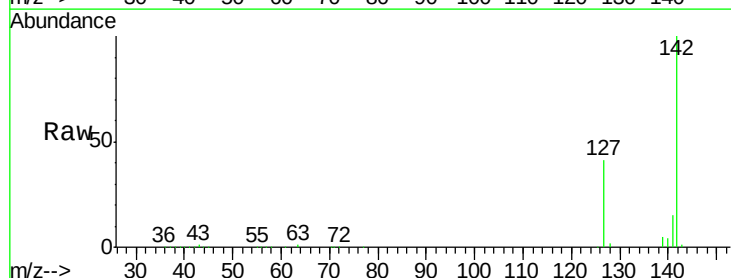
RT: 3.95 min Scan# 733

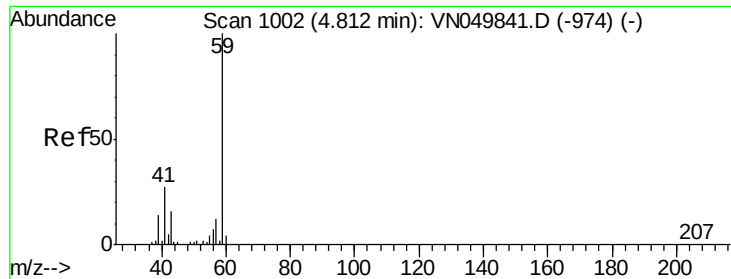
Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Tgt Ion:	142	Resp:	826546
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.5	48.7
141	14.3	11.1	16.7





#11

Tert butyl alcohol

Concen: 341.76 ug/l

RT: 4.81 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 59 Resp: 315458

Ion Ratio Lower Upper

59 100

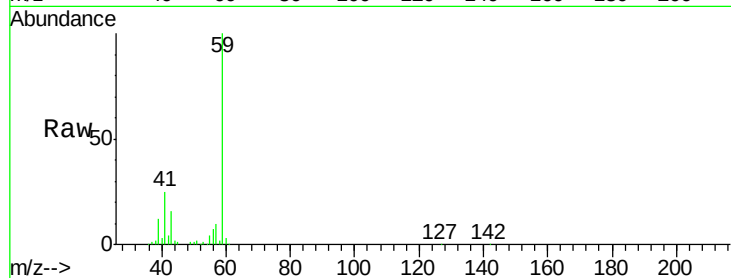
57 10.4 8.5 12.7

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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.81

100000

80000

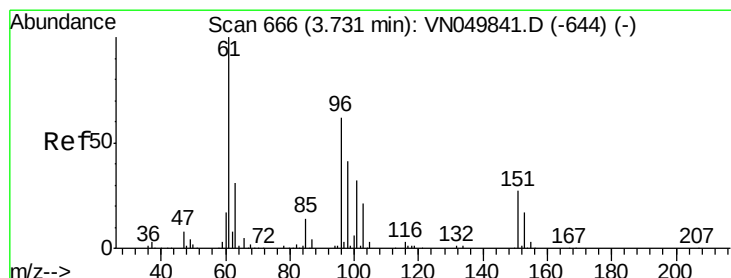
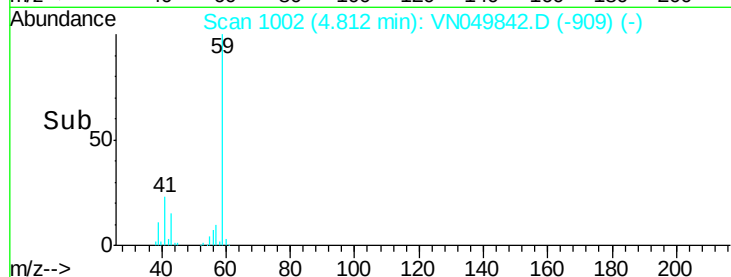
60000

40000

20000

0

Time--> 4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 71.07 ug/l

RT: 3.73 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

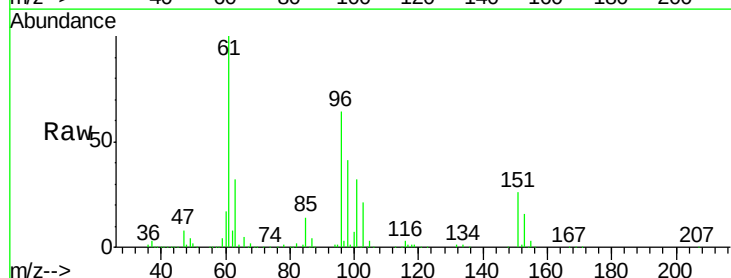
Tgt Ion: 96 Resp: 528749

Ion Ratio Lower Upper

96 100

61 155.9 126.5 189.7

98 63.8 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

3.73

400000

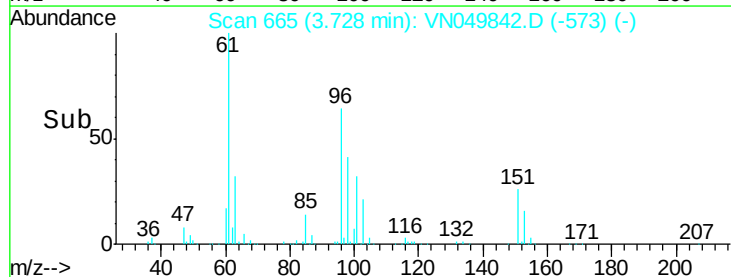
300000

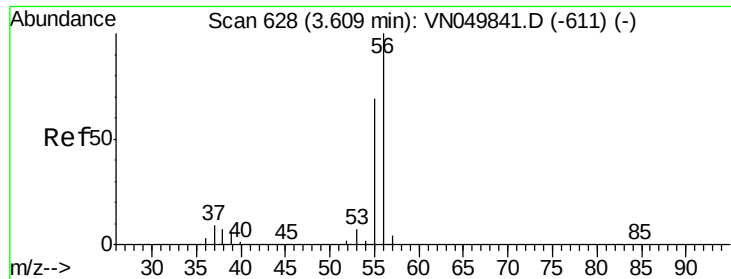
200000

100000

0

Time--> 3.60 3.70 3.80





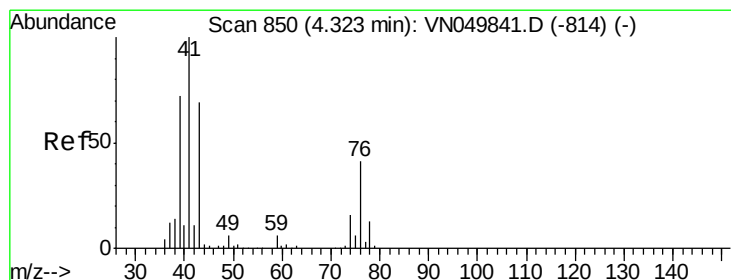
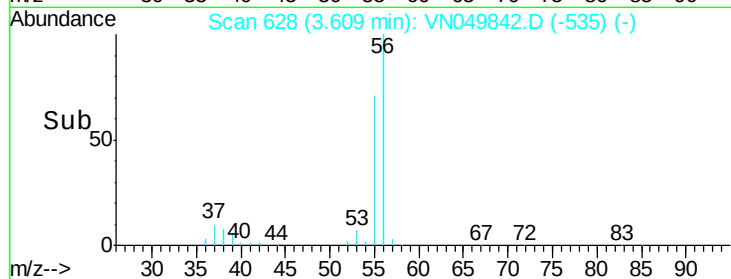
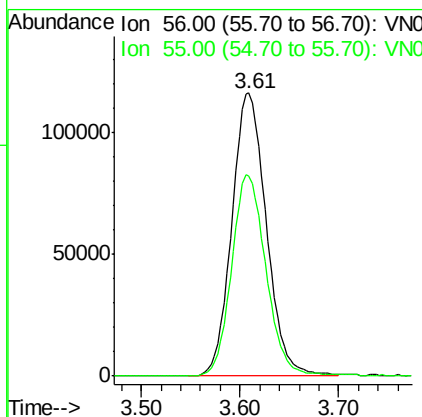
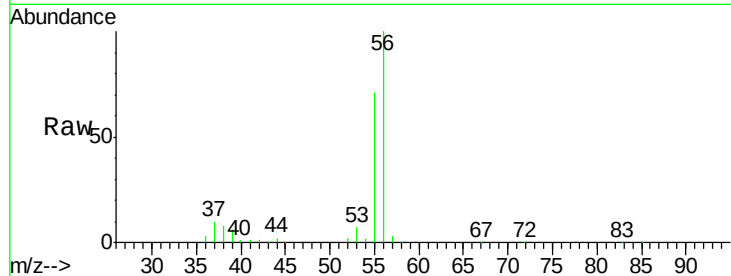
#13
 Acrolein
 Concen: 418.24 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.8	83.8

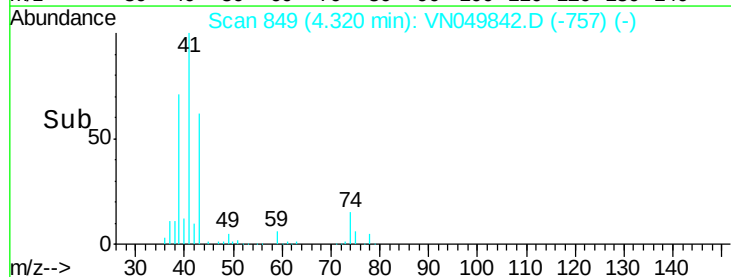
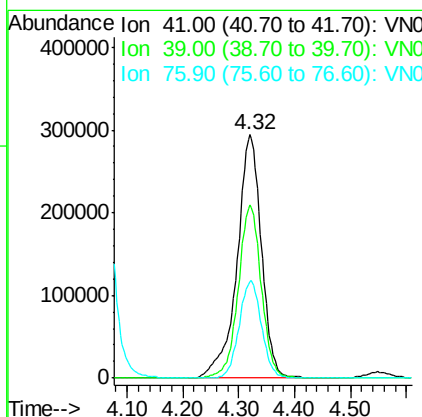
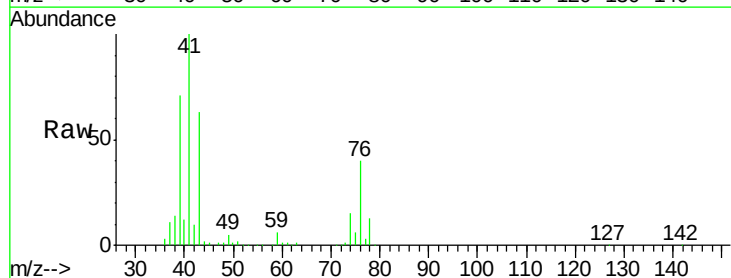
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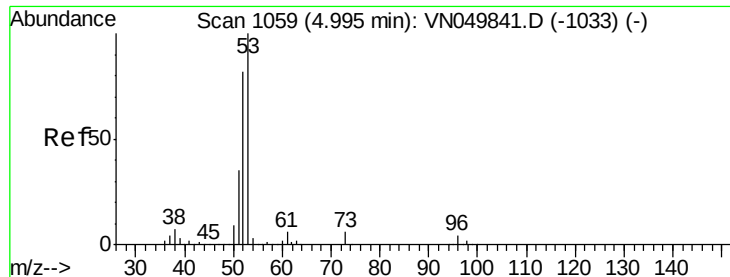
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#14
 Allyl chloride
 Concen: 72.70 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.8	53.2	79.8
76	36.2	29.0	43.6





#15

Acrylonitrile

Concen: 369.74 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1279124

Ion Ratio Lower Upper

53 100

52 82.7 64.8 97.2

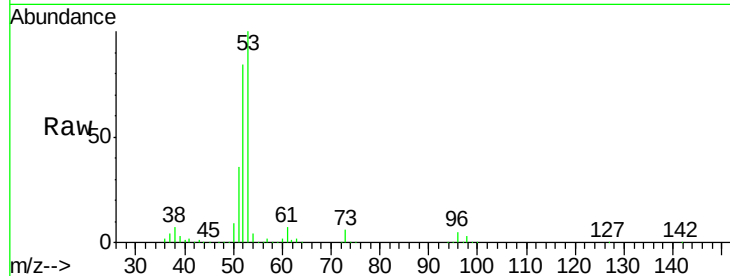
51 36.2 28.9 43.3

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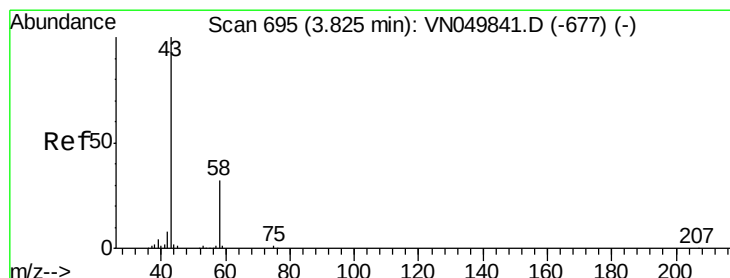
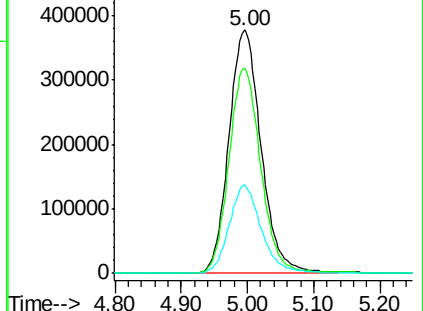
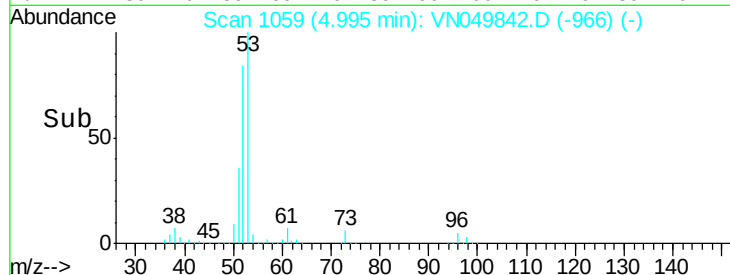
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Abundance Ion 53.00 (52.70 to 53.70): VN049842.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN049842.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN049842.D (-966) (-)



#16

Acetone

Concen: 329.61 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049842.D

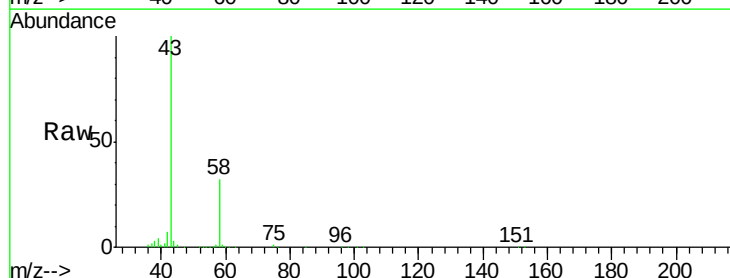
Acq: 17 Jul 2018 12:21

Tgt Ion: 43 Resp: 936904

Ion Ratio Lower Upper

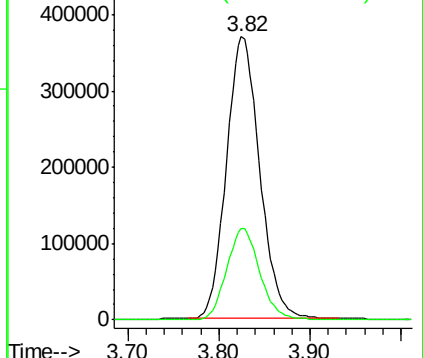
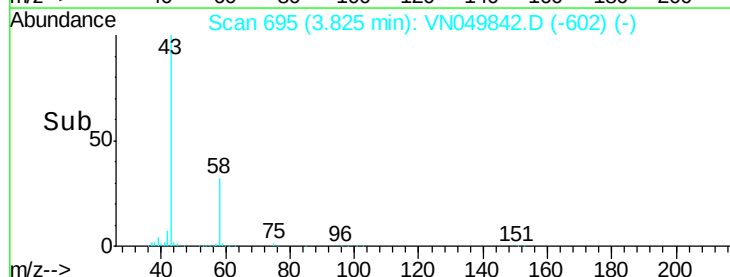
43 100

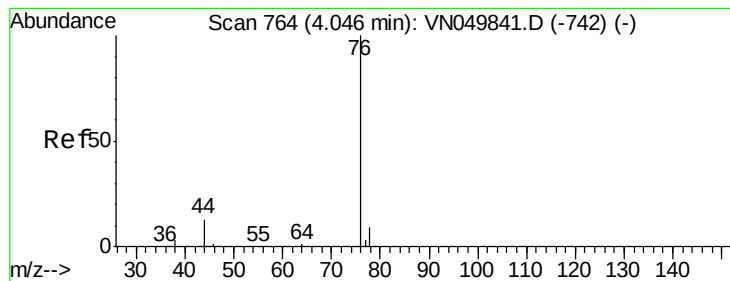
58 32.2 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049842.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN049842.D (-602) (-)





#17

Carbon Disulfide

Concen: 61.79 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 1578960

Ion Ratio Lower Upper

76 100

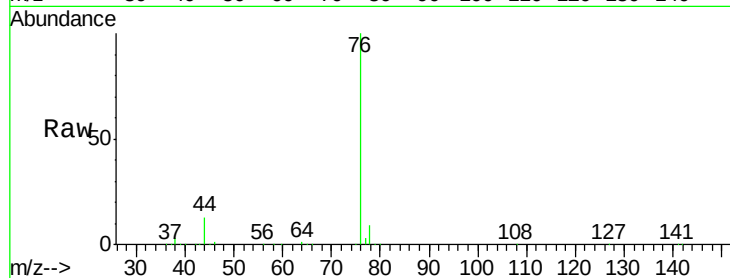
78 9.0 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

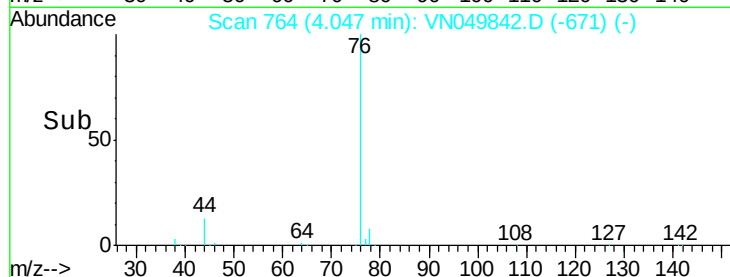
600000

400000

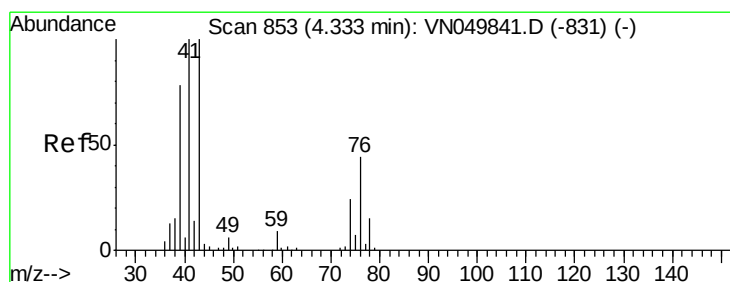
200000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 60.90 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN049842.D

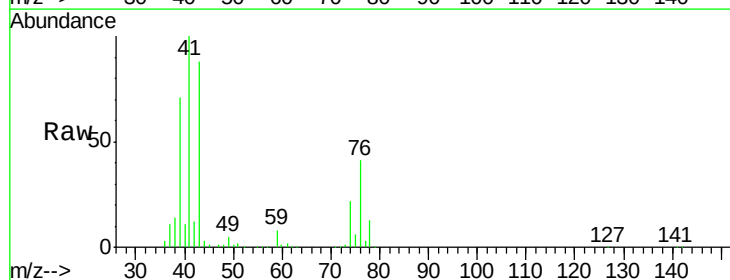
Acq: 17 Jul 2018 12:21

Tgt Ion: 43 Resp: 627557

Ion Ratio Lower Upper

43 100

74 24.9 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

250000

200000

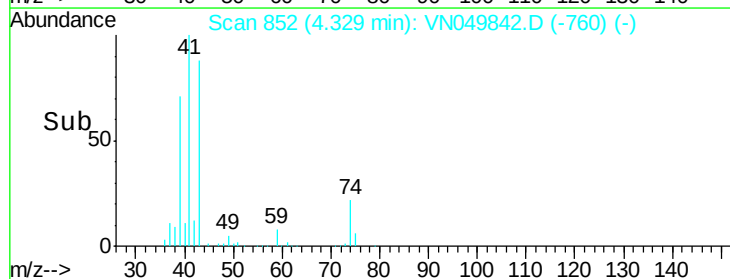
150000

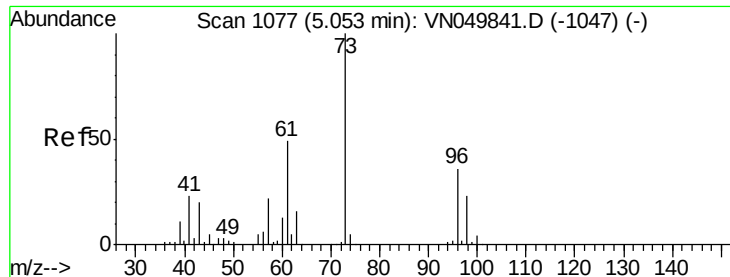
100000

50000

0

Time-->





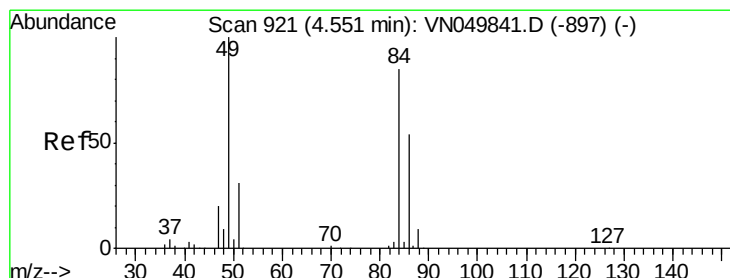
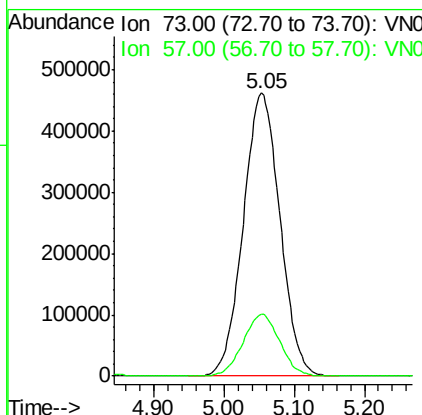
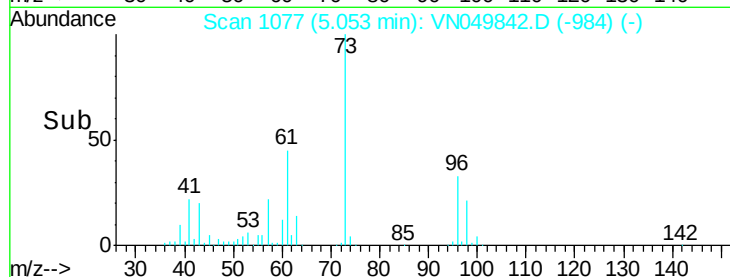
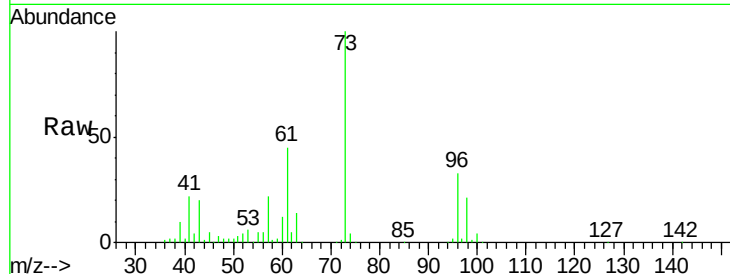
#19
Methvl tert-butvl Ether
Concen: 76.99 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 1675914
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1

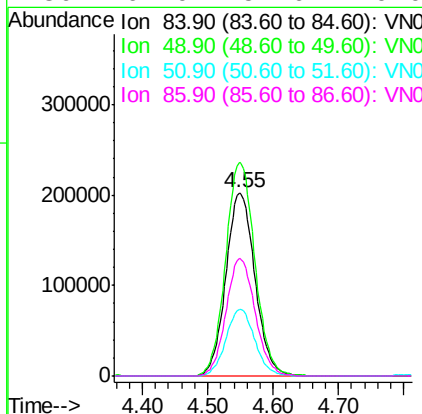
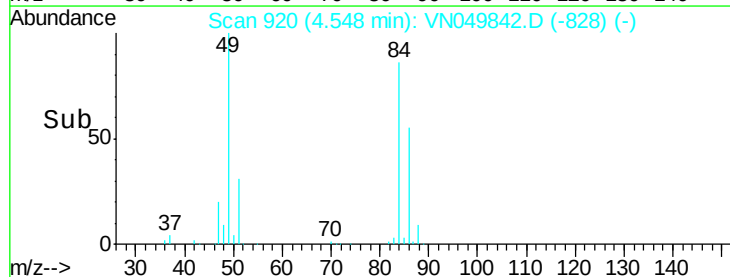
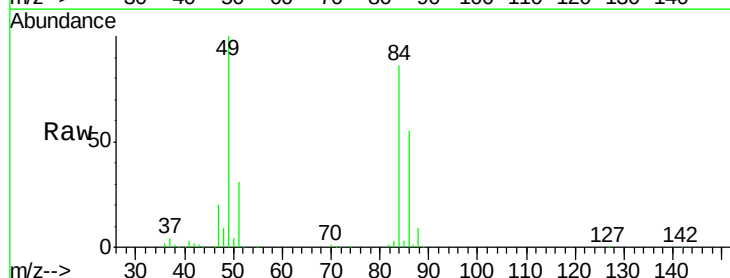
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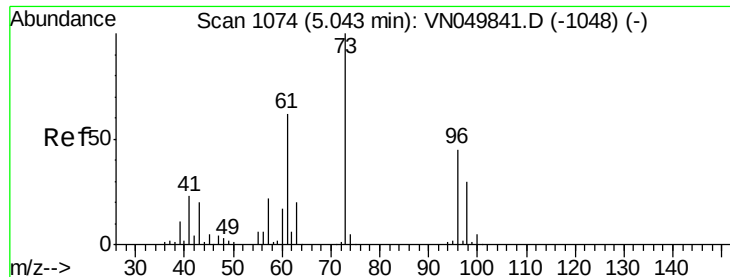
MMDadoda
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#20
Methylene Chloride
Concen: 68.64 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Tgt Ion: 84 Resp: 625315
Ion Ratio Lower Upper
84 100
49 116.4 95.4 143.2
51 36.4 28.4 42.6
86 64.0 52.6 79.0





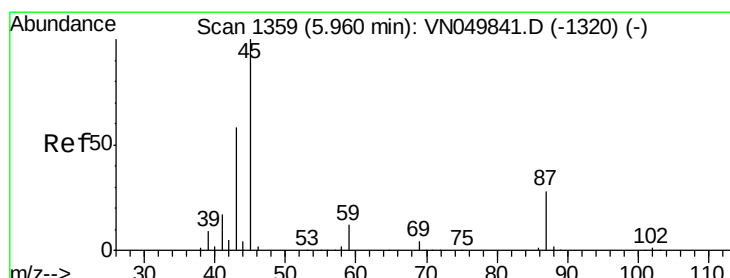
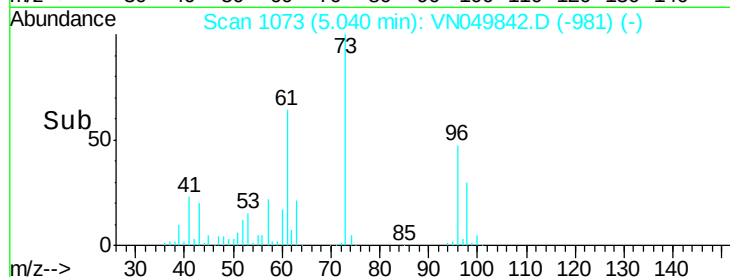
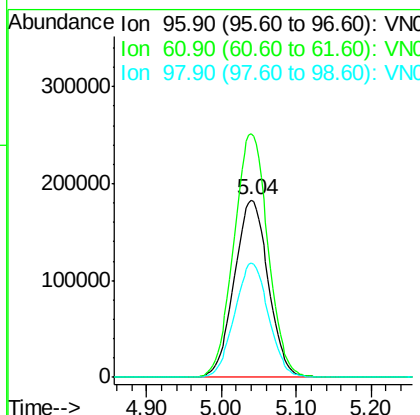
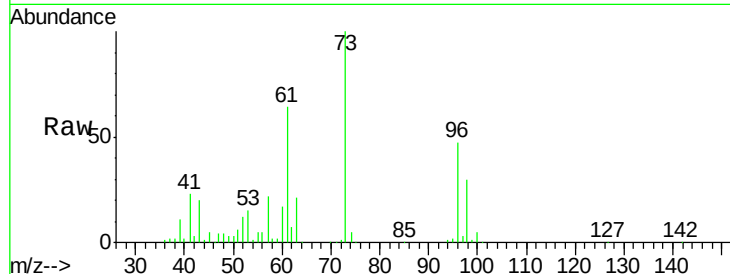
#21
trans-1,2-Dichloroethene
Concen: 70.37 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	109.0	163.6
98	64.3	51.1	76.7

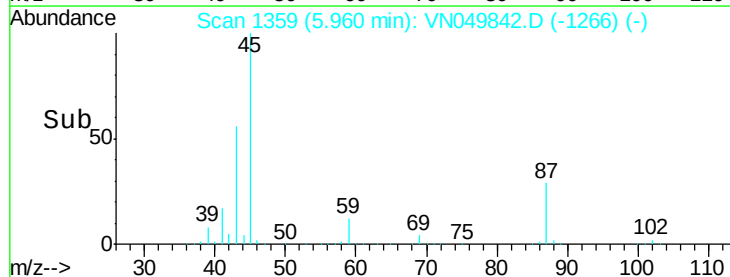
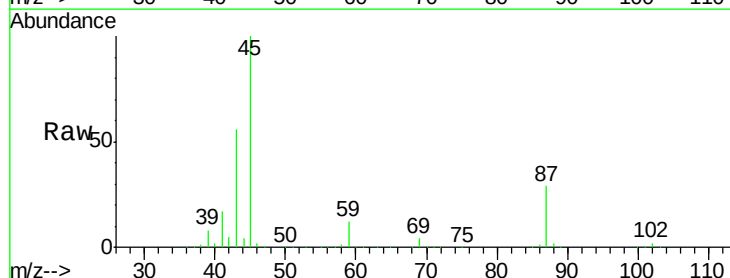
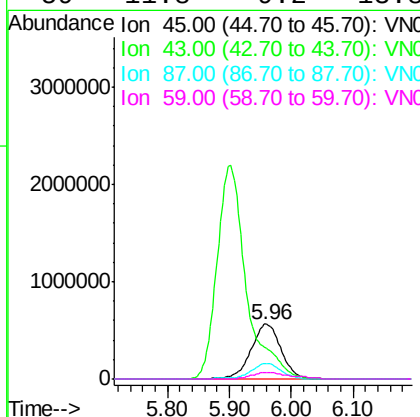
Manual Integrations
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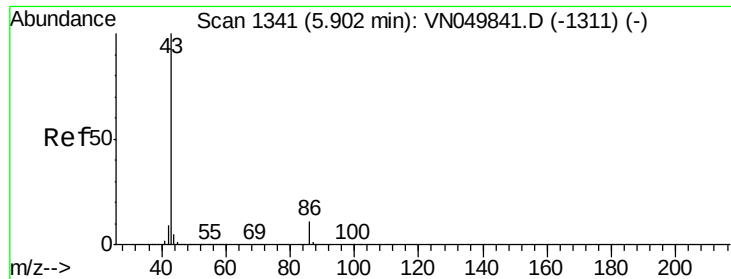
MMDadoda
7/18/2018 11:59:11 AM



#22
Diisopropyl ether
Concen: 80.25 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.5	48.1	72.1
87	28.5	22.6	34.0
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 396.81 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 7235819

Ion Ratio Lower Upper

43 100

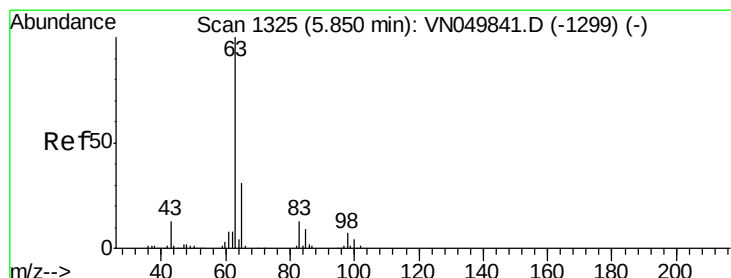
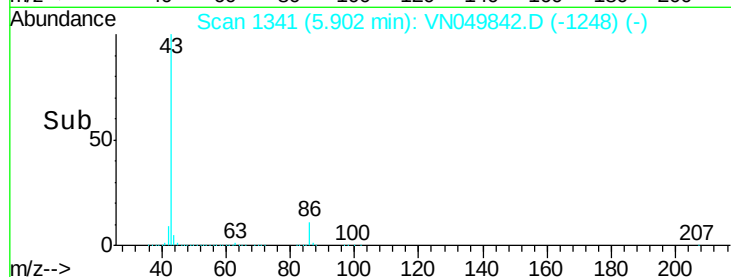
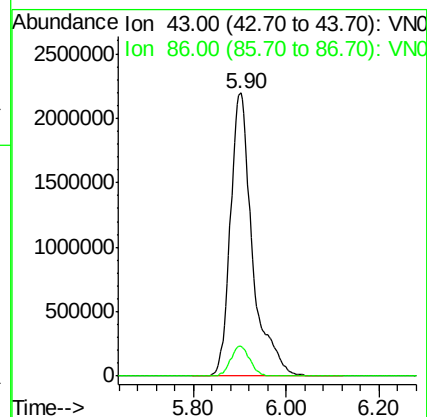
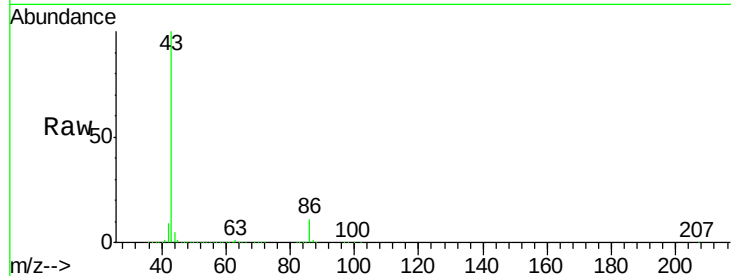
86 10.5 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 73.82 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

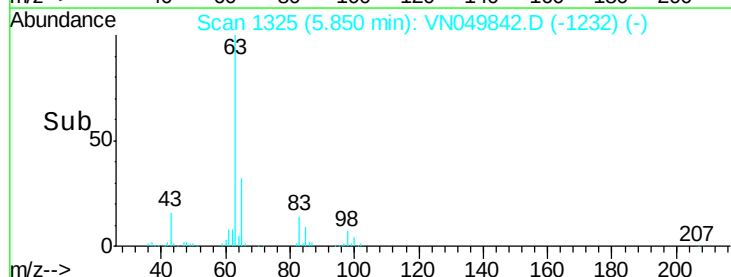
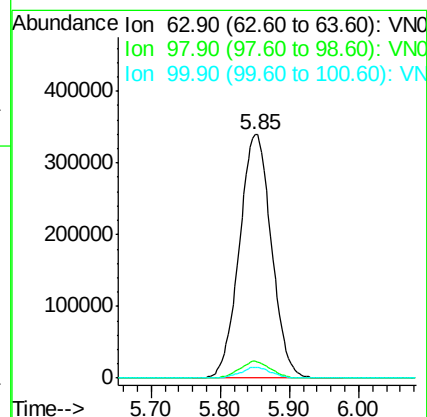
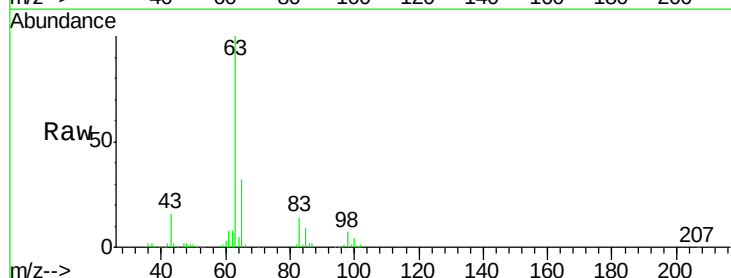
Tgt Ion: 63 Resp: 1091069

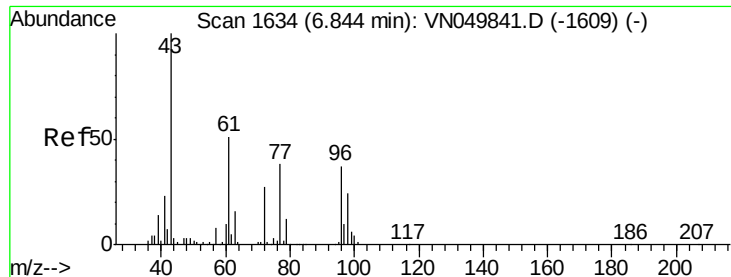
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.2 2.2 6.6





#25

2-Butanone

Concen: 362.80 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1571668

Ion Ratio Lower Upper

43 100

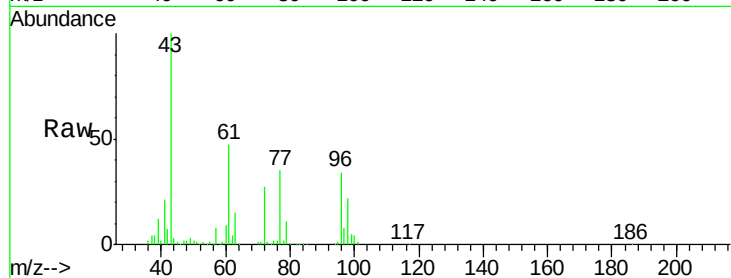
72 27.1 22.1 33.1

Manual Integrations

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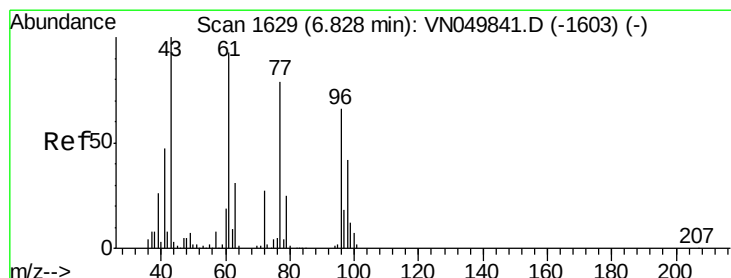
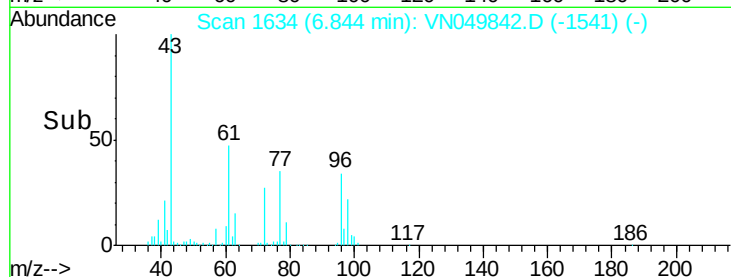
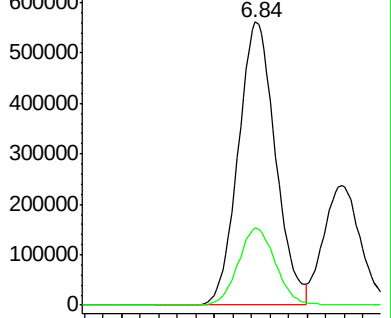
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 70.17 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049842.D

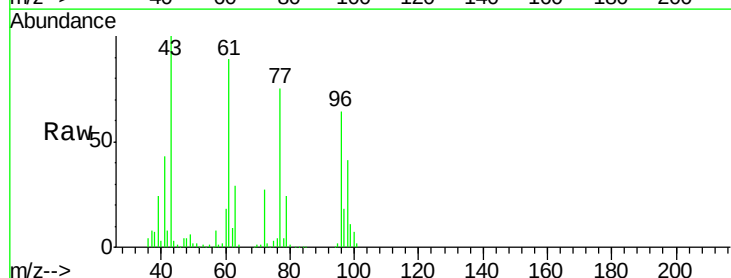
Acq: 17 Jul 2018 12:21

Tgt Ion: 77 Resp: 836091

Ion Ratio Lower Upper

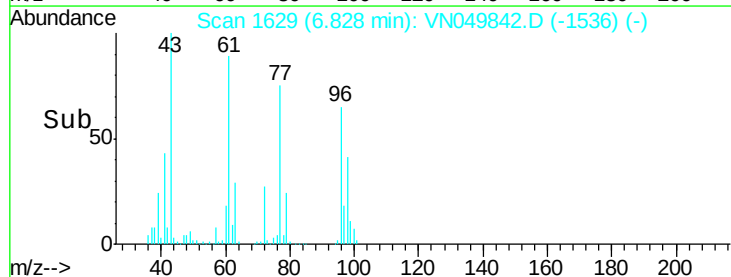
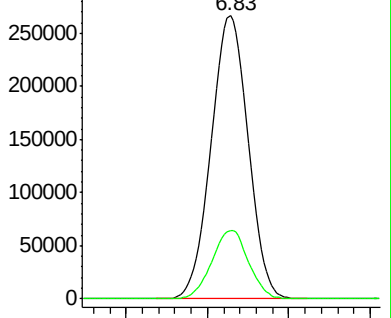
77 100

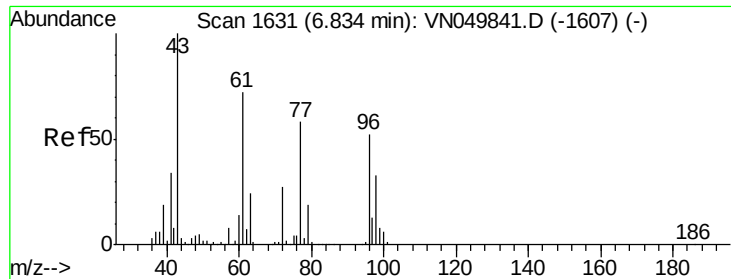
97 24.1 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





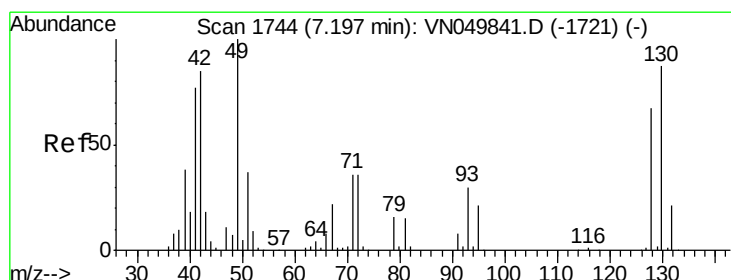
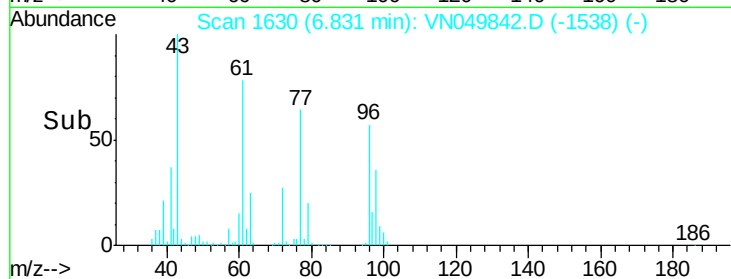
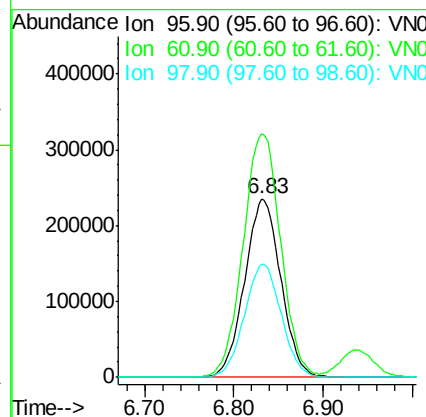
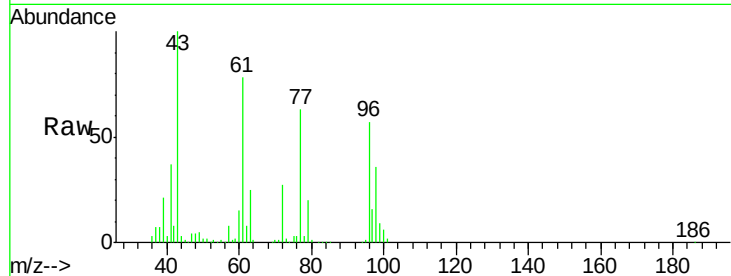
#27
 cis-1,2-Dichloroethene
 Concen: 74.66 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	665737		
61	141.6	0.0	289.0	
98	64.6	0.0	130.2	

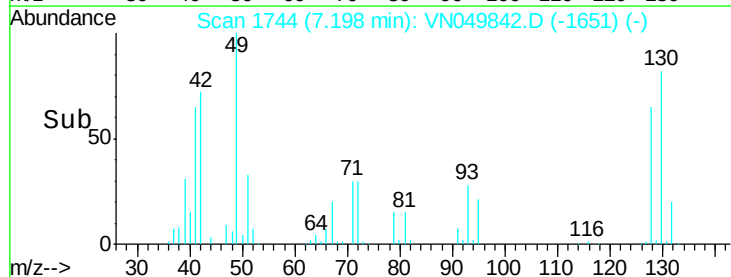
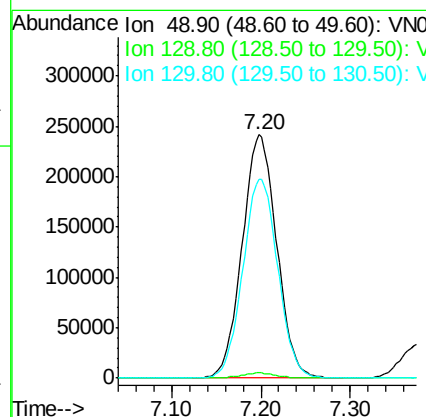
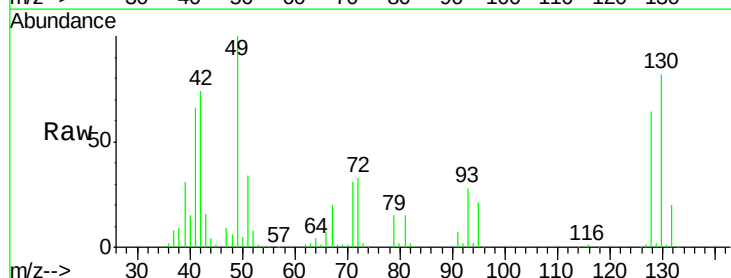
Manual Integrations
 APPROVED

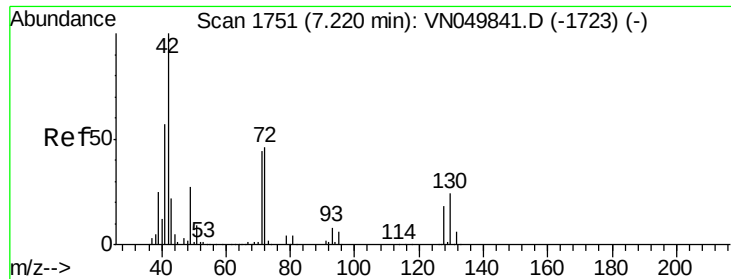
MMDadoda
 7/18/2018 11:59:11 AM



#28
 Bromochloromethane
 Concen: 97.13 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	648547		
129	2.1	0.0	4.2	
130	83.0	65.5	98.3	





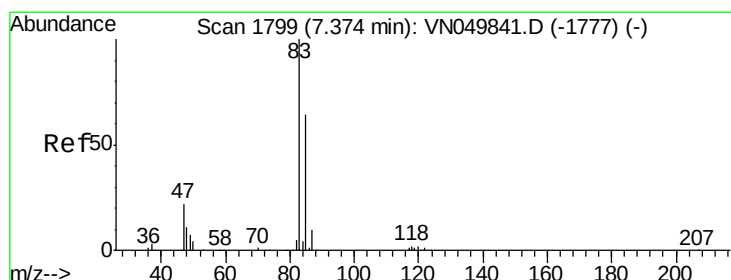
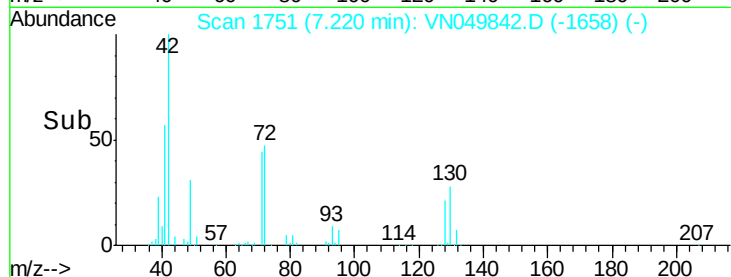
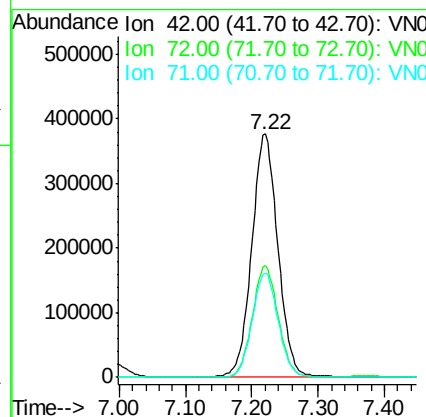
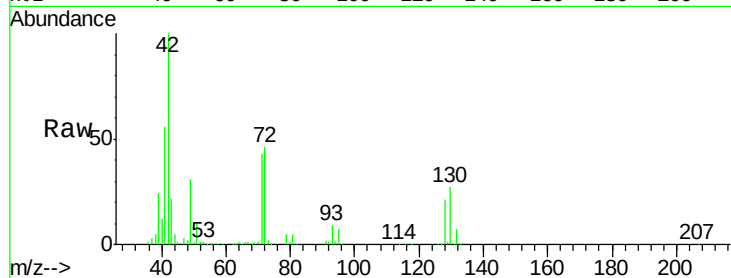
#29
Tetrahydrofuran
Concen: 367.39 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1029258
Ion Ratio Lower Upper
42 100
72 45.5 35.6 53.4
71 42.5 34.0 51.0

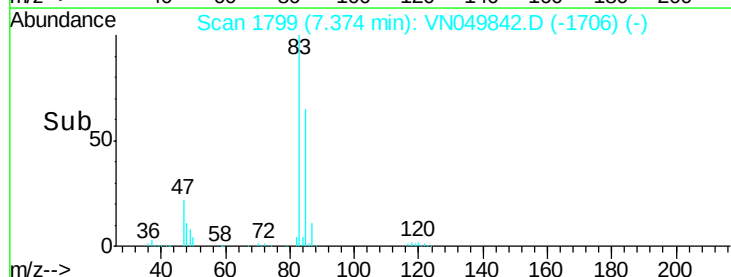
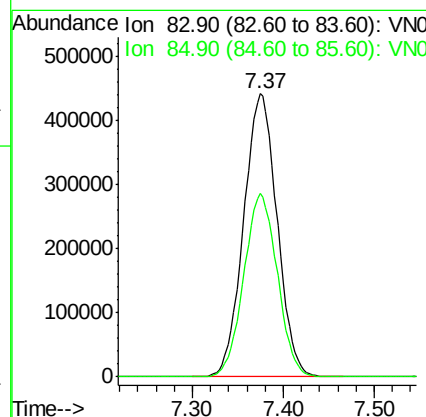
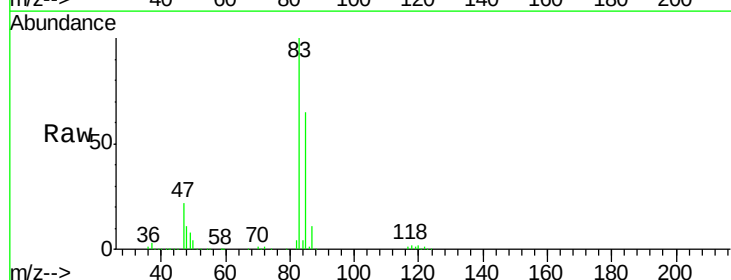
Manual Integrations
APPROVED

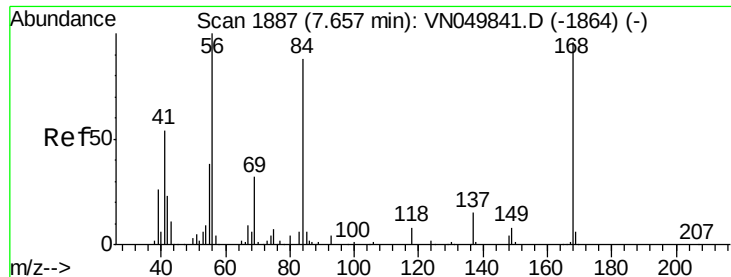
MMDadoda
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#30
Chloroform
Concen: 74.01 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Tgt Ion: 83 Resp: 1126115
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.2





#31

Cyclohexane

Concen: 64.58 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

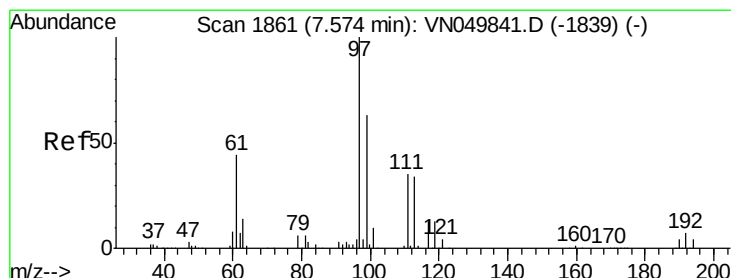
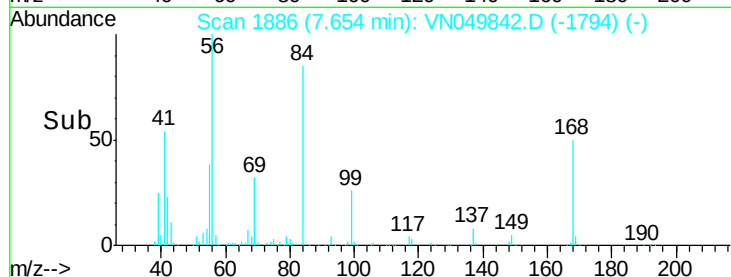
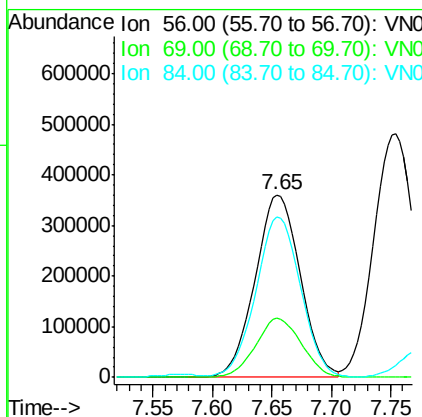
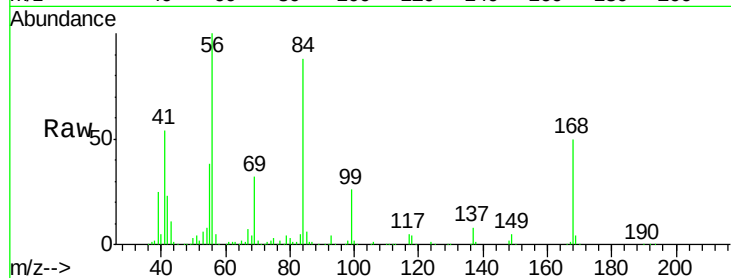
ClientSampled :

VSTDIC100

Tot Ion:	56	Resp:	946256
Ion Ratio	Lower	Upper	
56	100		
69	32.3	26.6	40.0
84	86.4	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 75.24 ug/l

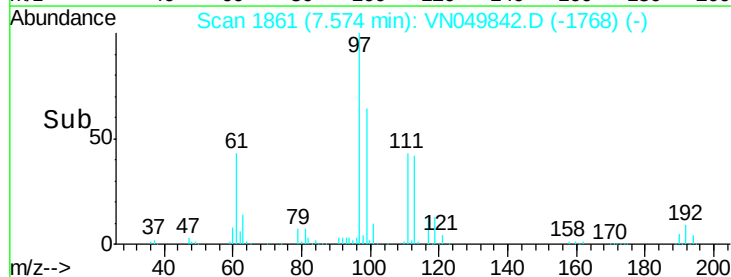
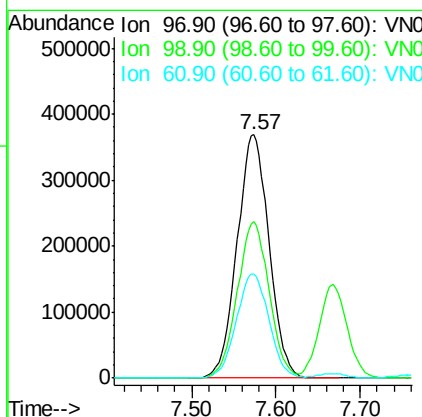
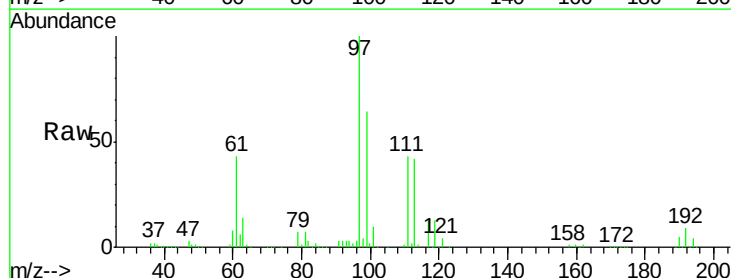
RT: 7.57 min Scan# 1861

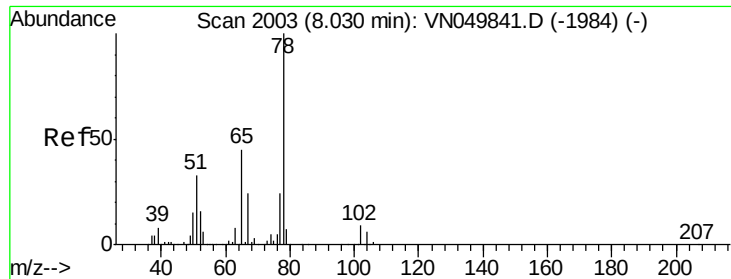
Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Tgt Ion:	97	Resp:	972987
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.0	76.4
61	43.6	35.5	53.3





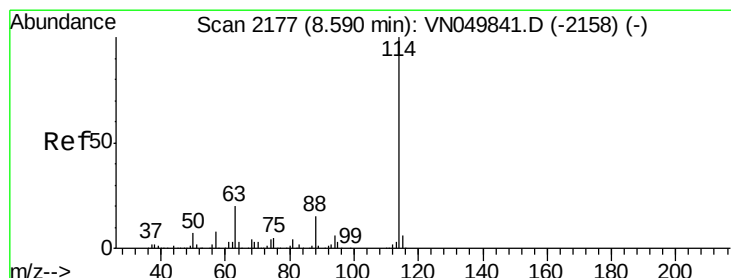
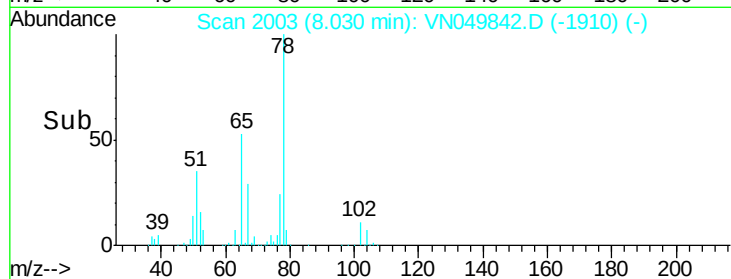
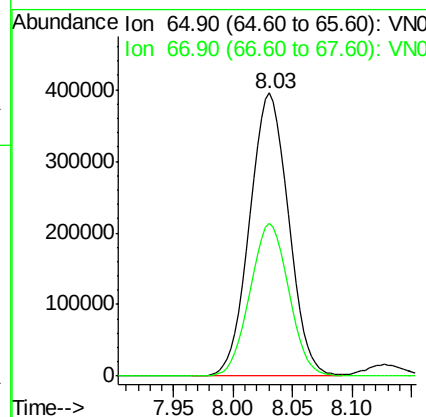
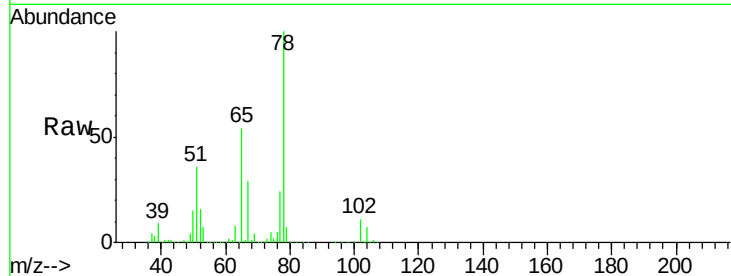
#33
 1,2-Dichloroethane-d4
 Concen: 96.54 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	896630		
67	54.0	0.0	107.2	

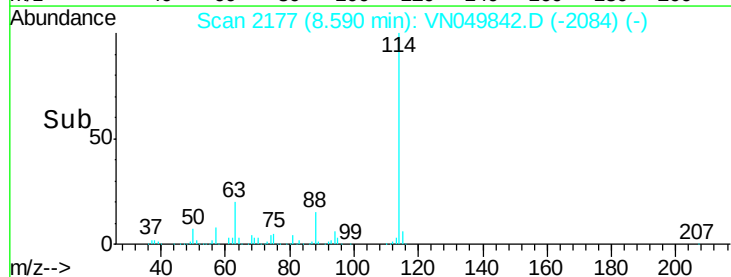
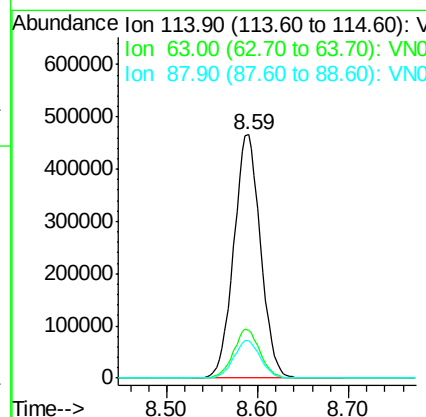
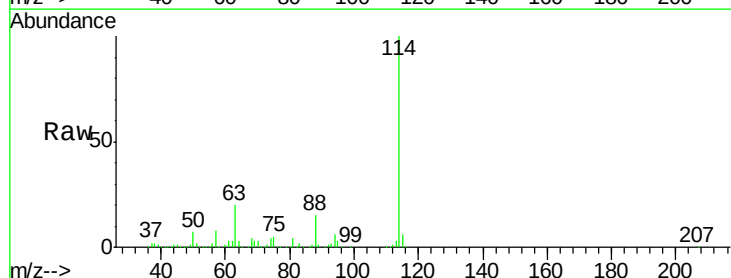
Manual Integrations
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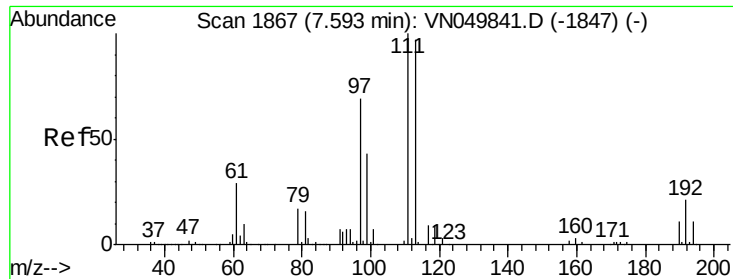
MMDadoda
 7/18/2018 11:59:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	949552		
63	19.8	0.0	39.8	
88	15.4	0.0	30.6	





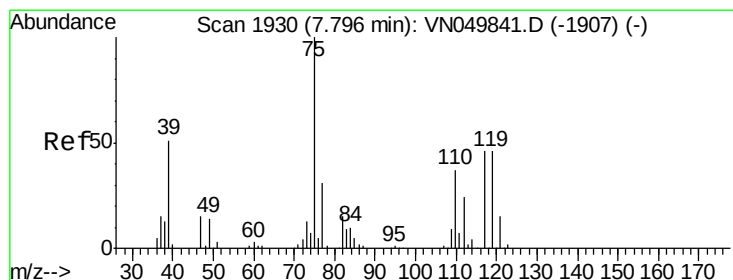
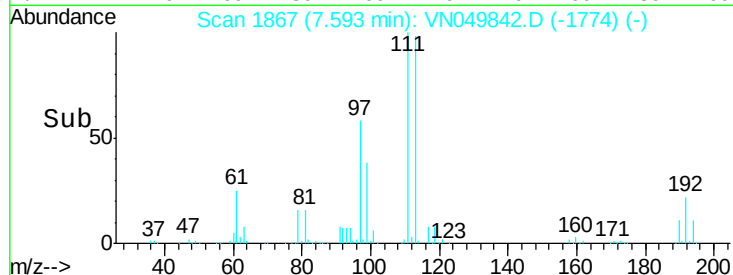
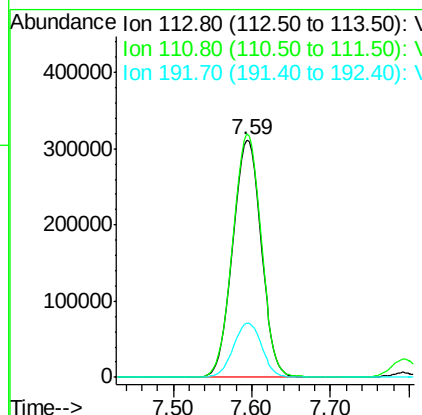
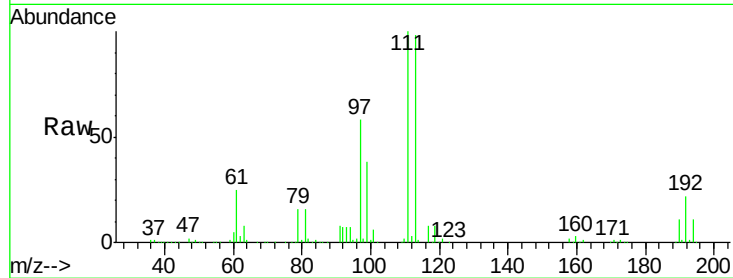
#35
 Dibromofluoromethane
 Concen: 99.53 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	786873		
111	102.3		81.8	122.8
192	22.7		17.8	26.6

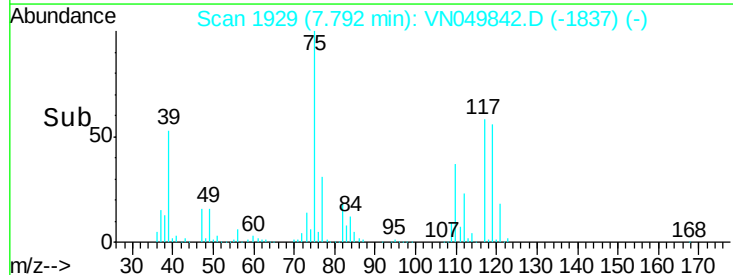
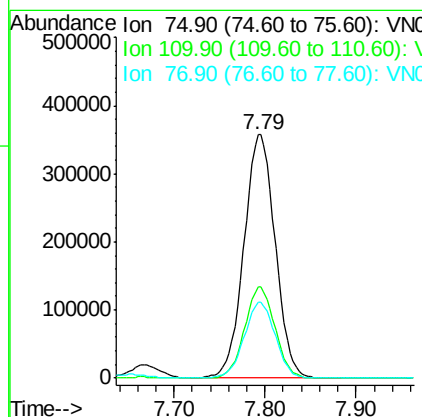
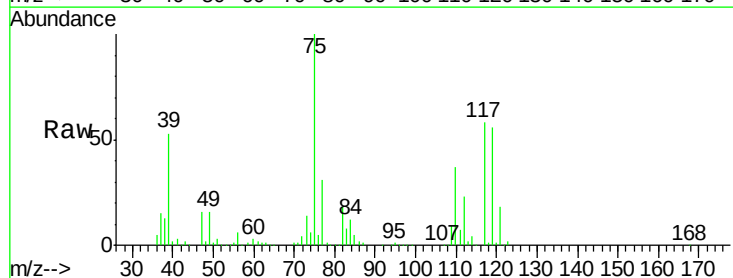
Manual Integrations
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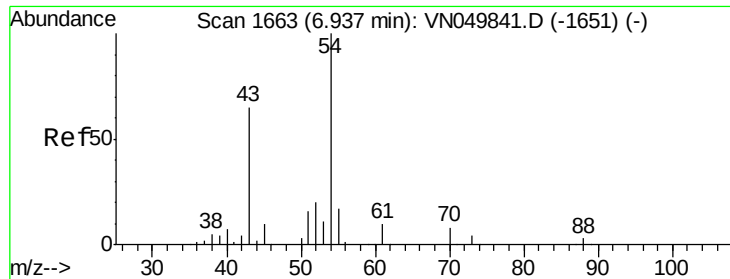
MMDadoda
 7/18/2018 11:59:11 AM



#36
 1,1-Dichloropropene
 Concen: 77.52 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	850702		
110	36.5		18.1	54.4
77	31.2		24.9	37.3





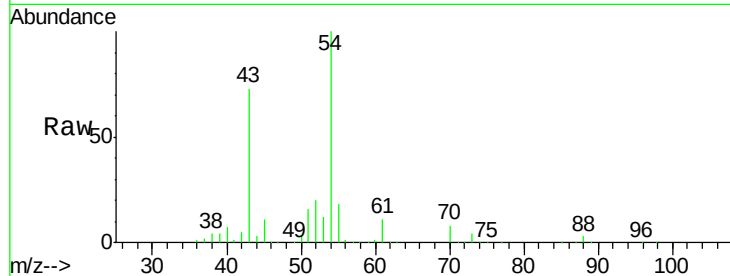
#37
Ethyl Acetate
Concen: 76.70 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

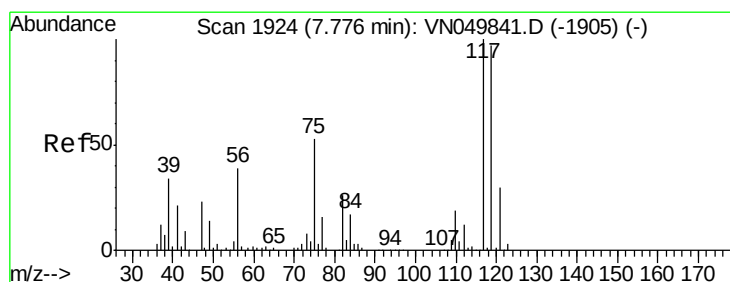
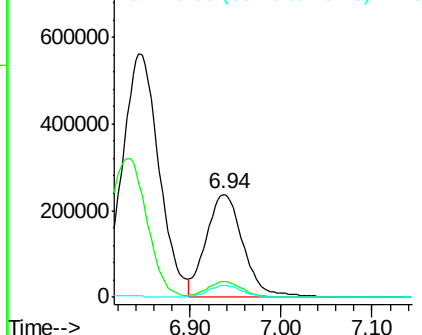
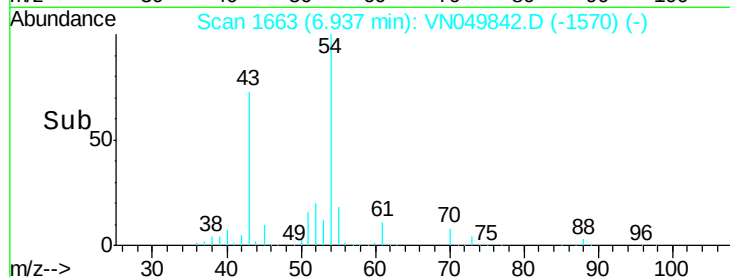
Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	14.9	11.7	17.5			
70	10.8	8.4	12.6			

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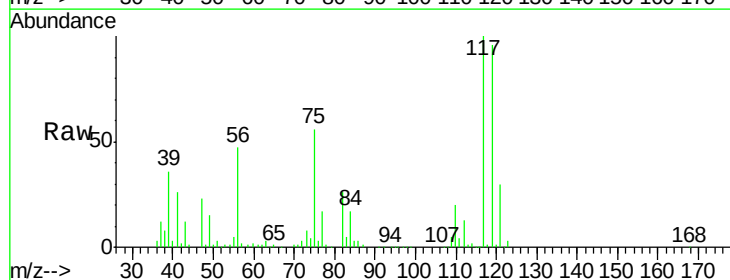


Abundance Ion 43.00 (42.70 to 43.70): VN049842.D (-1570) (-)

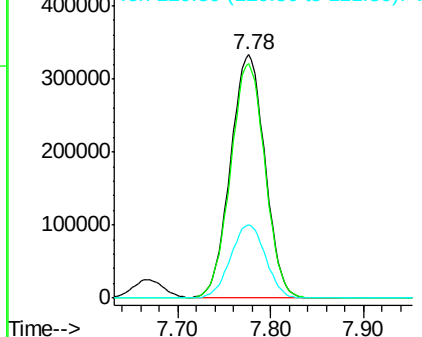
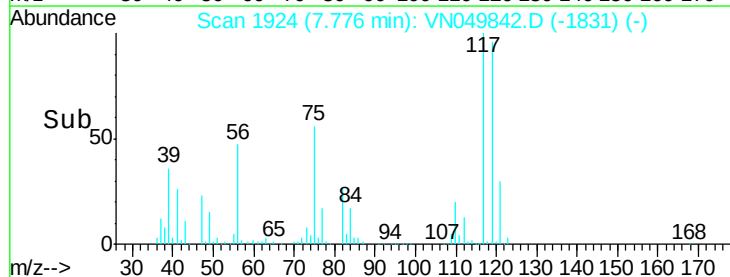


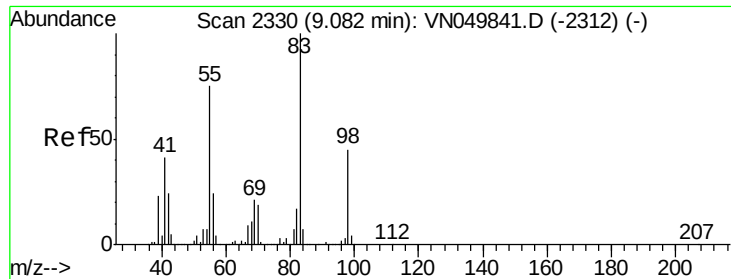
#38
Carbon Tetrachloride
Concen: 76.05 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	96.1	77.2	115.8			
121	30.1	25.0	37.6			



Abundance Ion 116.80 (116.50 to 117.50): VN049842.D (-1831) (-)





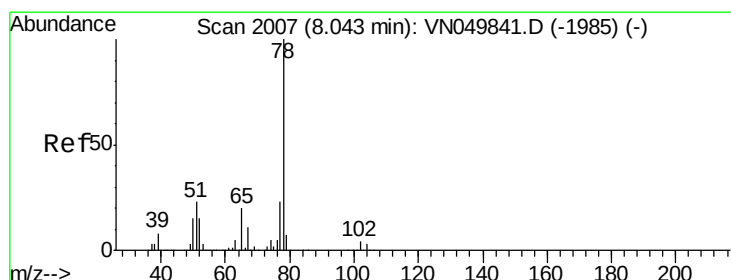
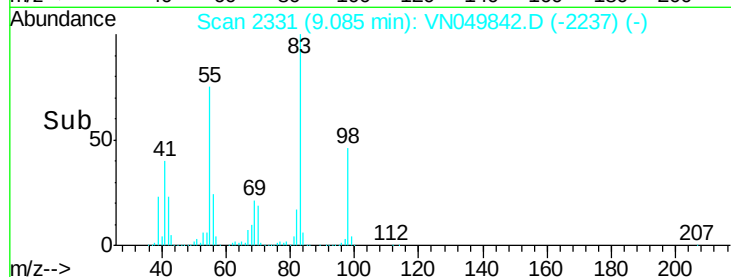
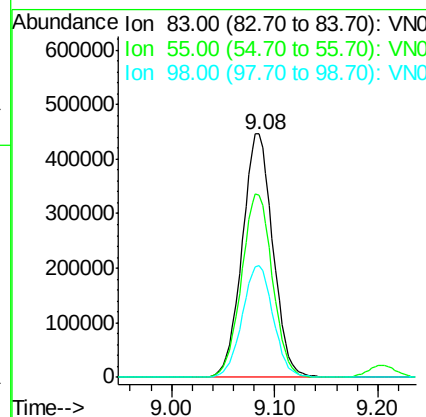
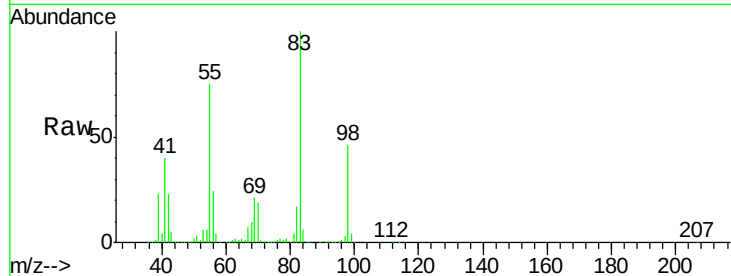
#39
Methylvlcyclohexane
Concen: 79.72 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	59.7	89.5
98	46.0	36.5	54.7

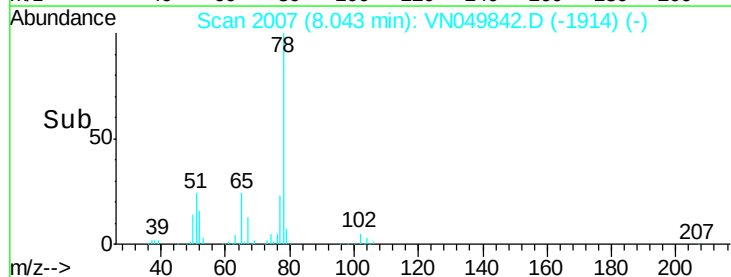
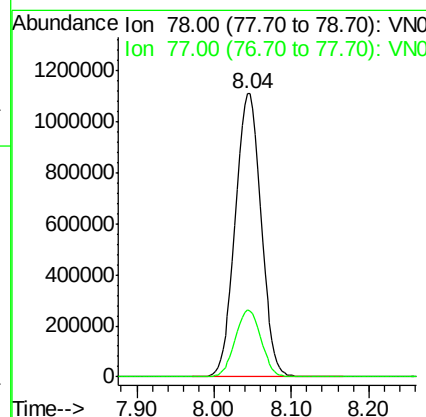
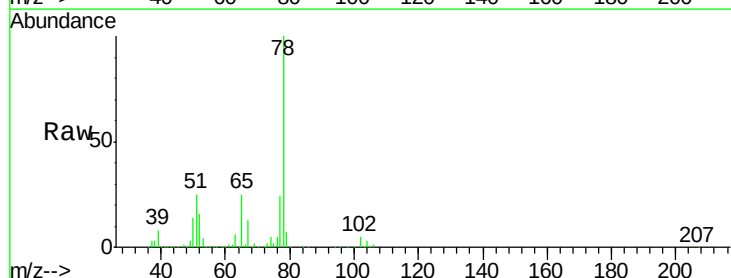
Manual Integrations
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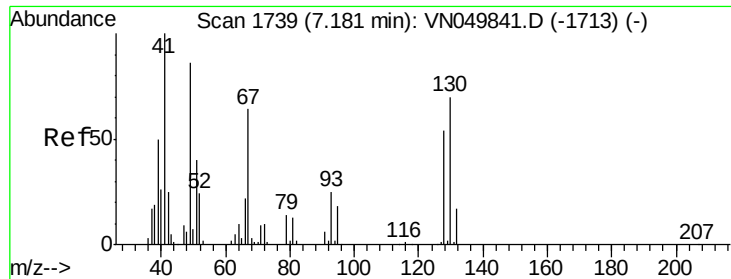
MMDadoda
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#40
Benzene
Concen: 77.08 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





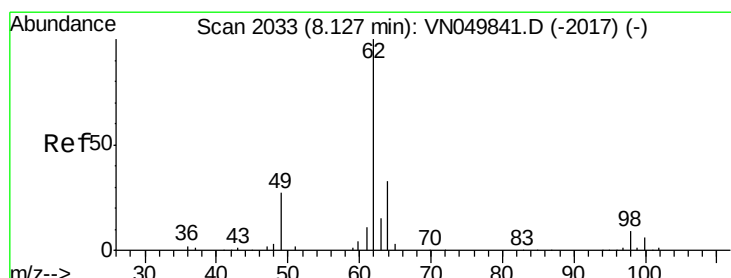
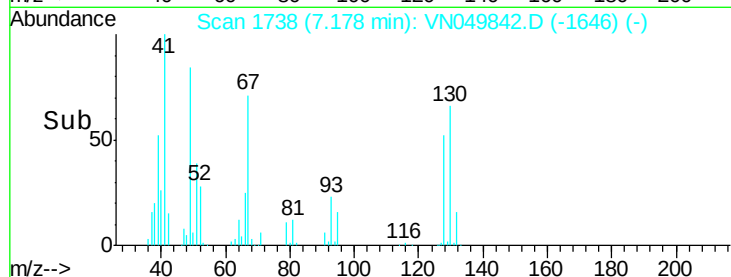
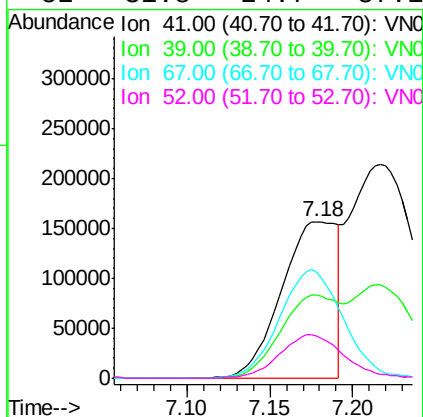
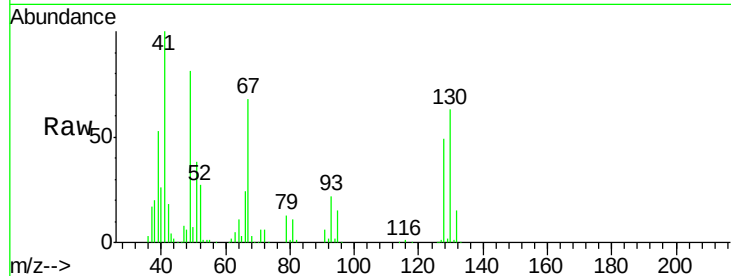
#41
Methacrylonitrile
Concen: 87.89 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	363480
Ion Ratio	Lower	Upper	
41	100		
39	57.0	45.4	68.2
67	80.2	65.4	98.0
52	31.8	24.7	37.1

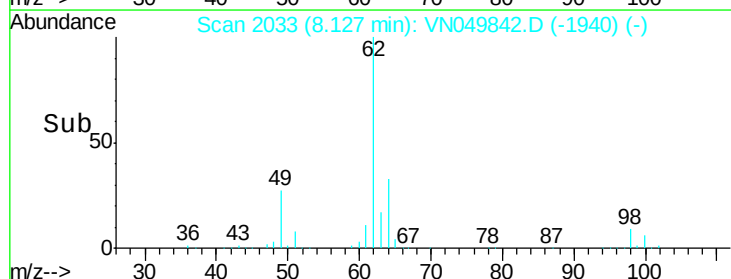
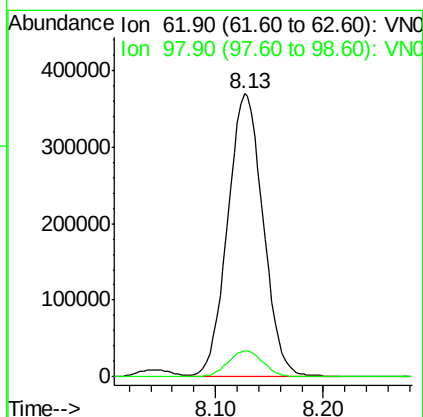
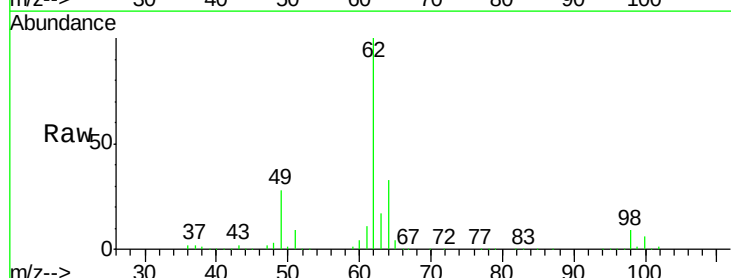
Manual Integrations
APPROVED

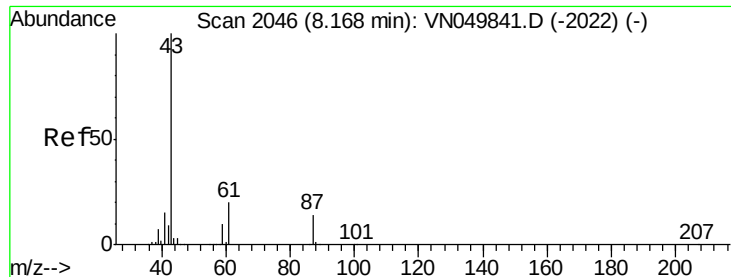
MMDadoda
7/18/2018 11:59:11 AM



#42
1,2-Dichloroethane
Concen: 77.21 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Tgt Ion	62	Resp	843094
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	19.0





#43

Isopropyl Acetate

Concen: 55.90 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1163227

Ion Ratio Lower Upper

43 100

61 20.5 14.9 22.3

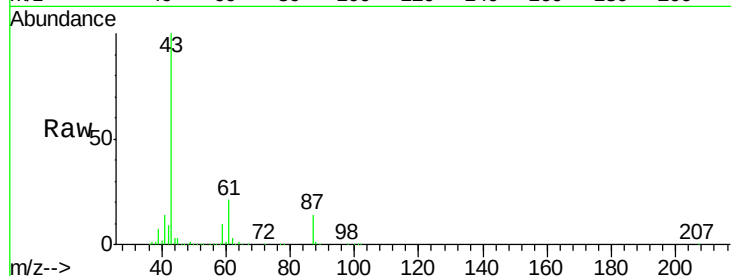
87 13.8 10.0 15.0

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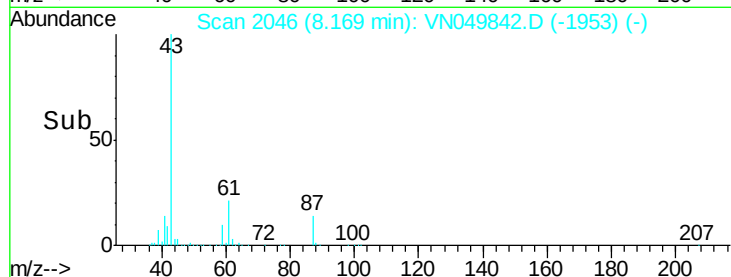


Abundance Ion 43.00 (42.70 to 43.70): VN049841.D (-2022) (-)

Ion 61.00 (60.70 to 61.70): VN049841.D (-2022) (-)

Ion 87.00 (86.70 to 87.70): VN049841.D (-2022) (-)

Time-->

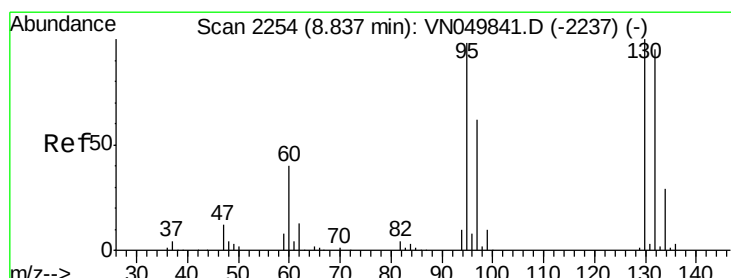


Abundance Ion 43.00 (42.70 to 43.70): VN049842.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN049842.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN049842.D (-1953) (-)

Time-->



#44

Trichloroethene

Concen: 75.18 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049842.D

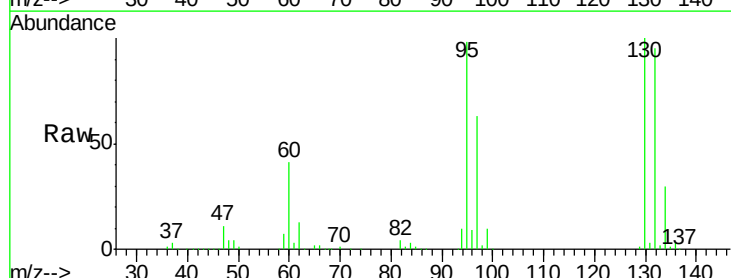
Acq: 17 Jul 2018 12:21

Tgt Ion:130 Resp: 659600

Ion Ratio Lower Upper

130 100

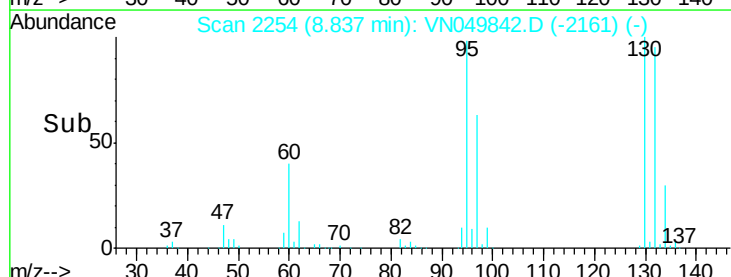
95 97.9 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049841.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN049841.D (-2237) (-)

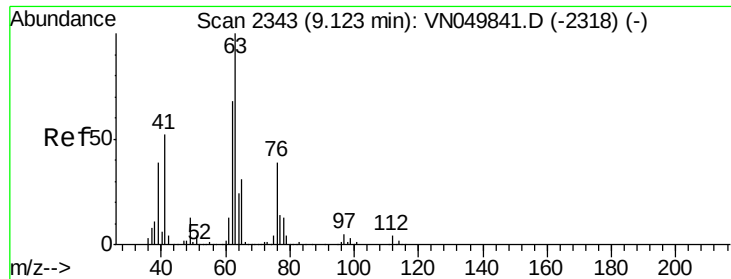
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN049842.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049842.D (-2161) (-)

Time-->



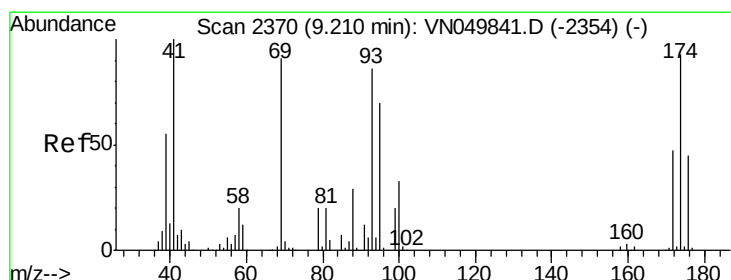
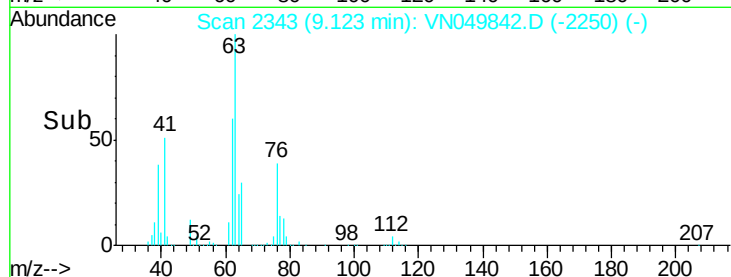
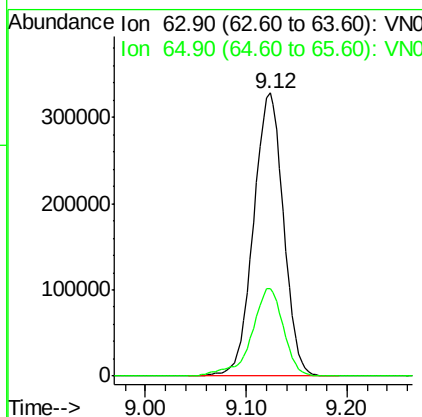
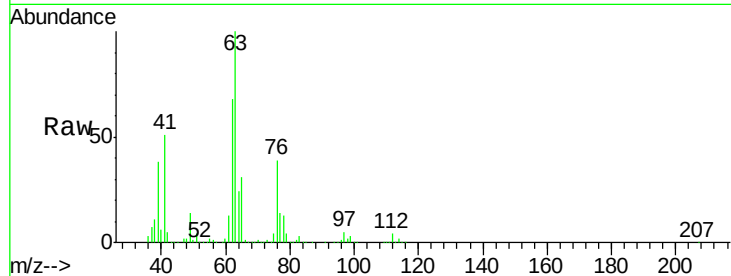
#45
 1,2-Dichloropropane
 Concen: 78.81 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 674804
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.7 37.1

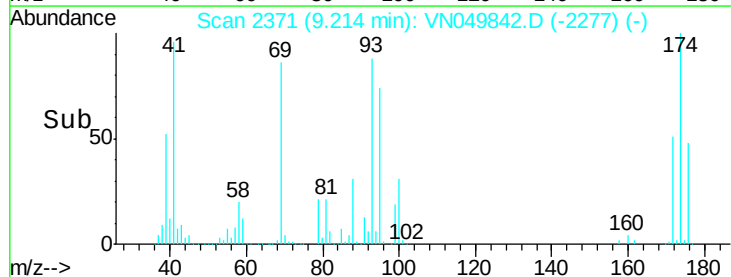
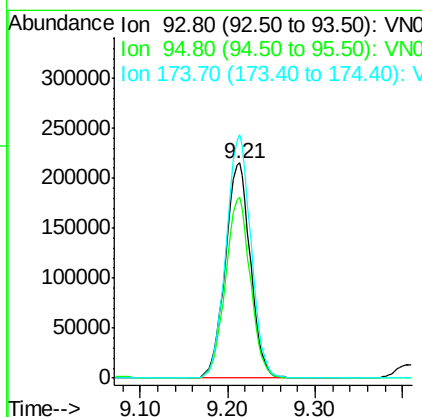
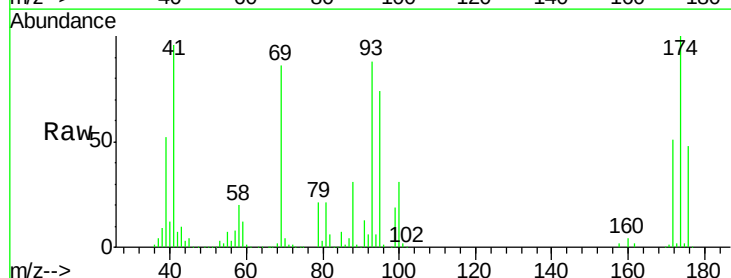
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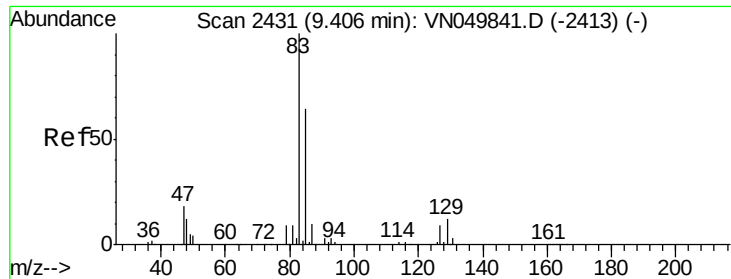
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#46
 Dibromomethane
 Concen: 75.46 ug/l
 RT: 9.21 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Tgt Ion: 93 Resp: 429018
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.9 101.9
 174 111.8 89.4 134.0





#47

Bromodichloromethane

Concen: 77.55 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 877099

Ion Ratio Lower Upper

83 100

85 64.6 50.5 75.7

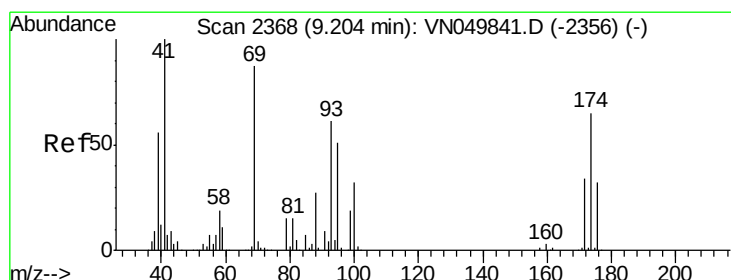
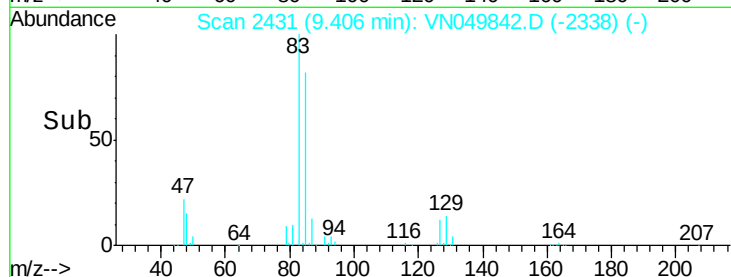
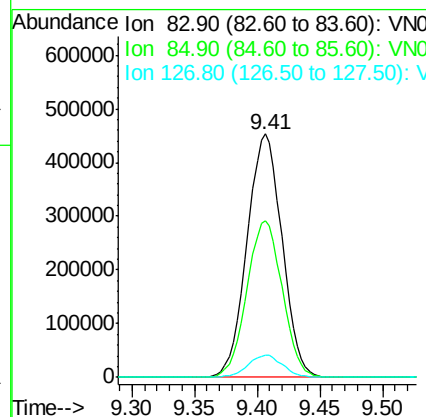
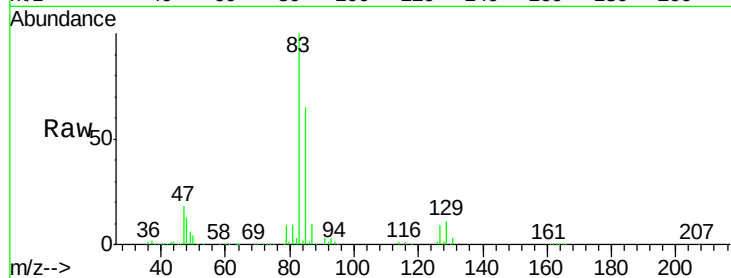
127 9.1 6.8 10.2

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#48

Methyl methacrylate

Concen: 81.10 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

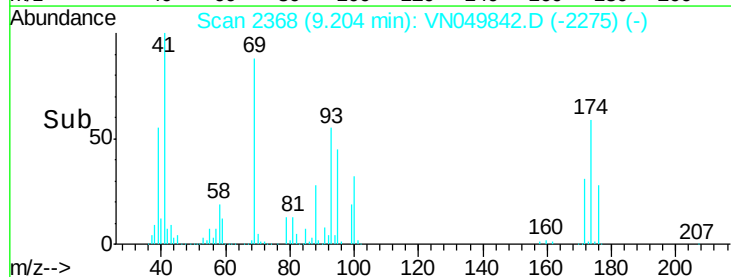
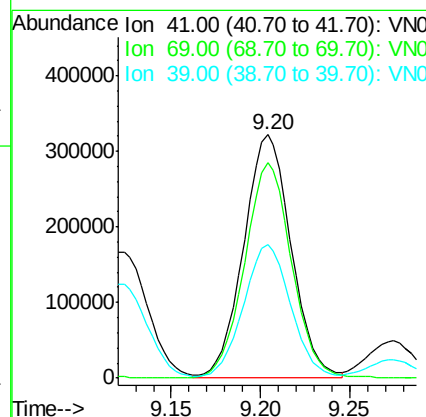
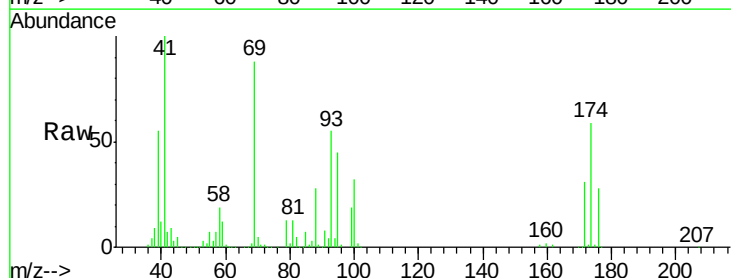
Tgt Ion: 41 Resp: 597430

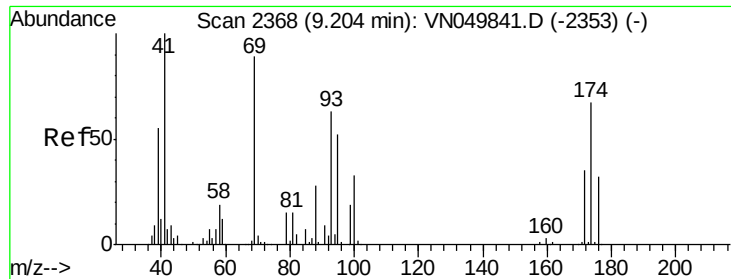
Ion Ratio Lower Upper

41 100

69 87.8 71.5 107.3

39 54.6 44.7 67.1





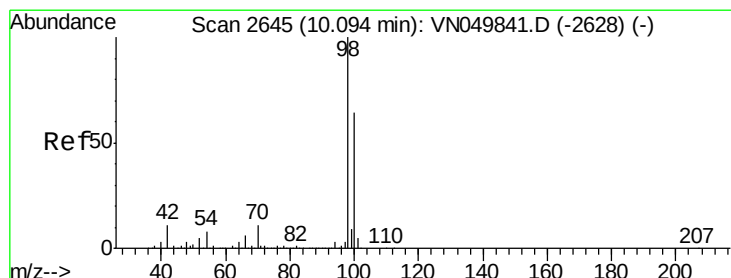
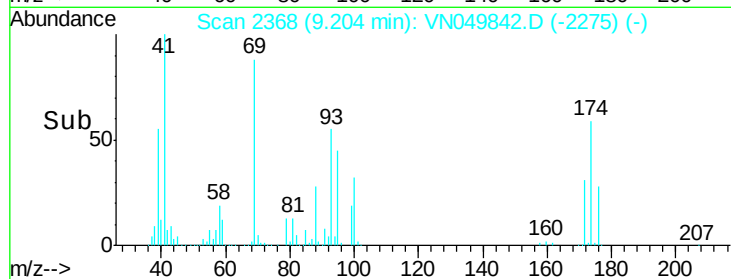
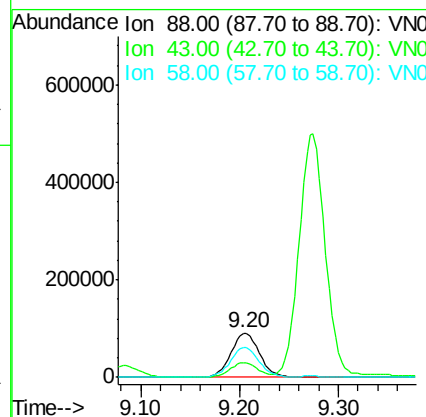
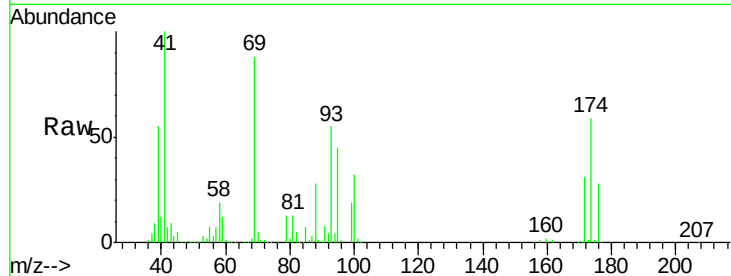
#49
1,4-Dioxane
Concen: 1531.98 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	184057
Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.1	37.7
58	67.5	52.5	78.7

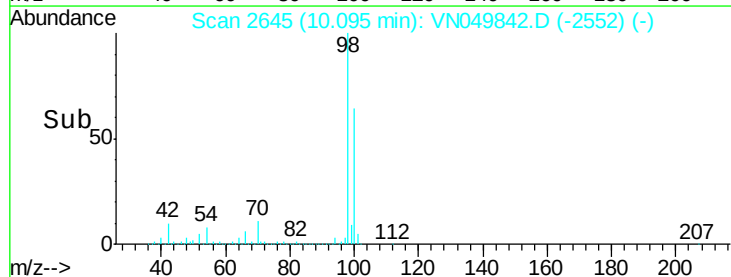
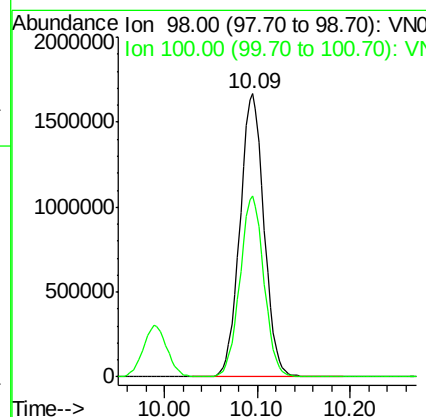
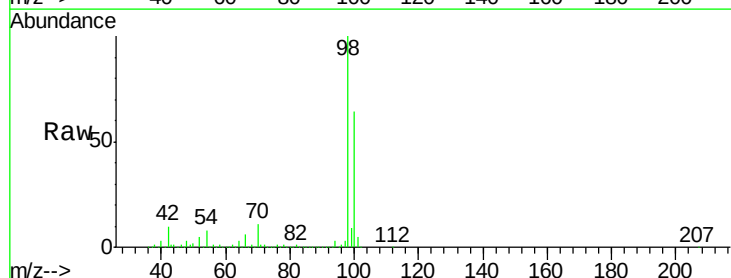
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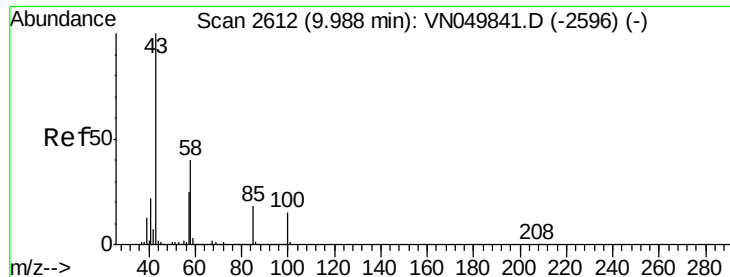
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#50
Toluene-d8
Concen: 102.11 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Tgt Ion	98	Resp	2996038
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.7	77.5





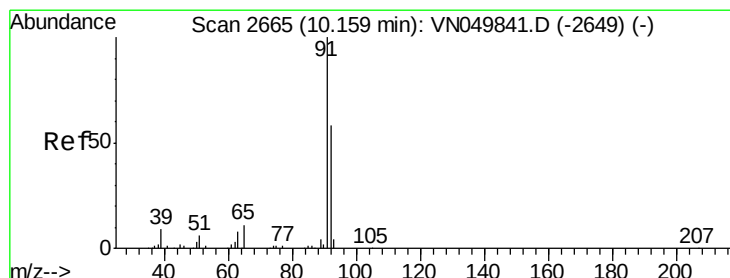
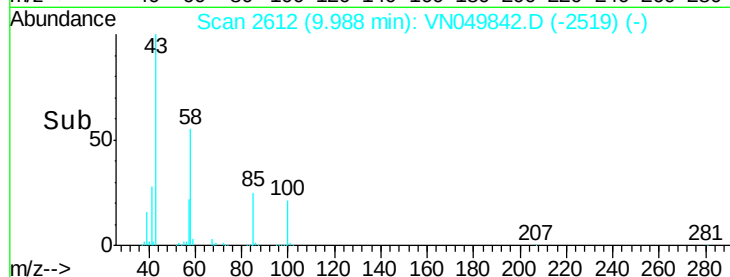
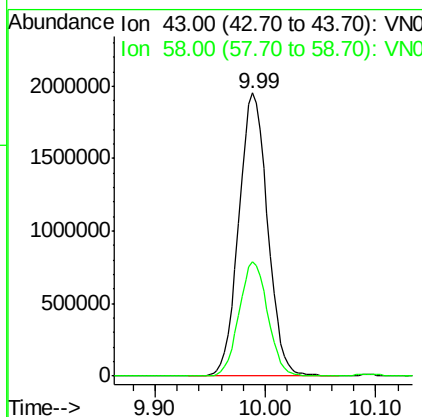
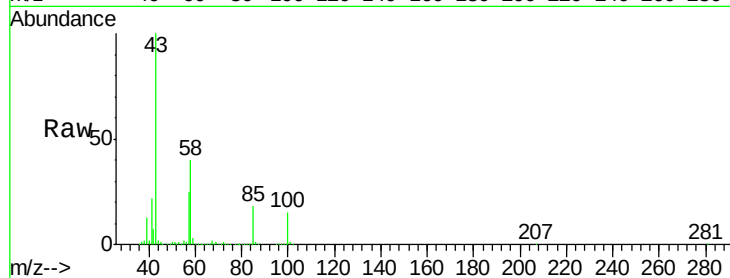
#51
4-Methyl-2-Pentanone
Concen: 397.05 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 3529241
Ion Ratio Lower Upper
43 100
58 40.2 31.8 47.8

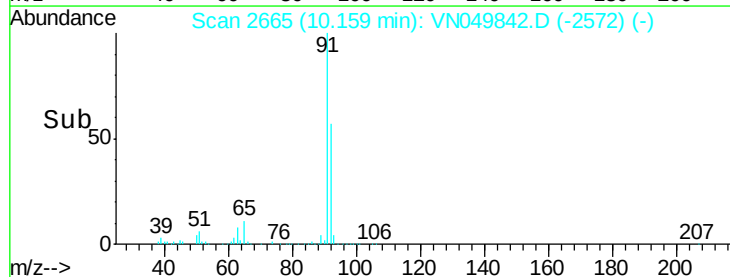
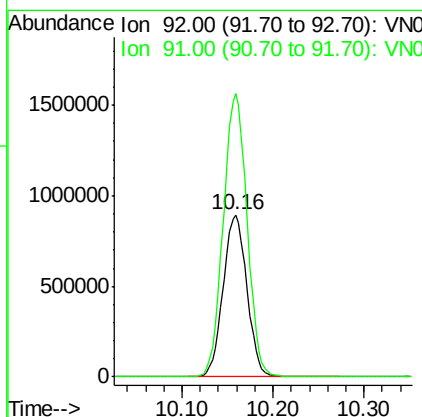
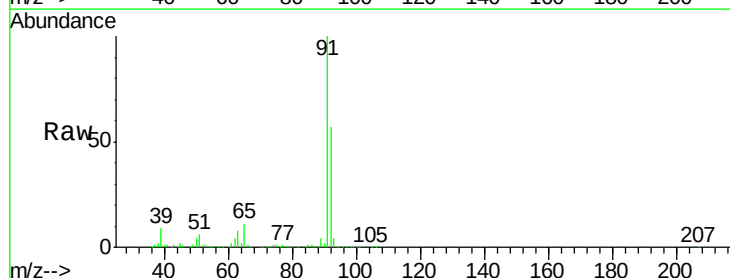
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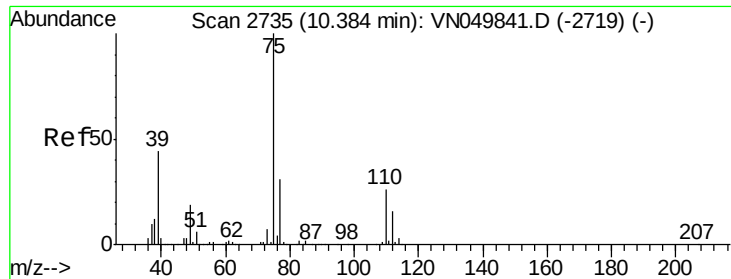
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#52
Toluene
Concen: 81.24 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Tgt Ion: 92 Resp: 1620797
Ion Ratio Lower Upper
92 100
91 175.3 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 81.88 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 957487

Ion Ratio Lower Upper

75 100

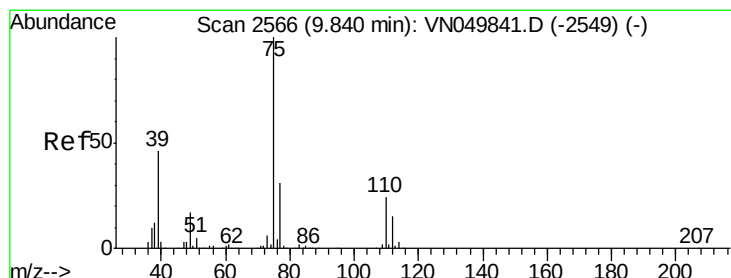
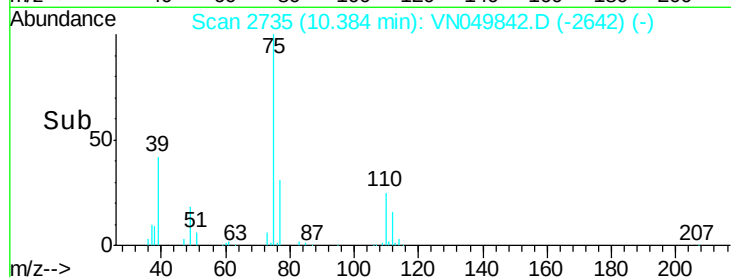
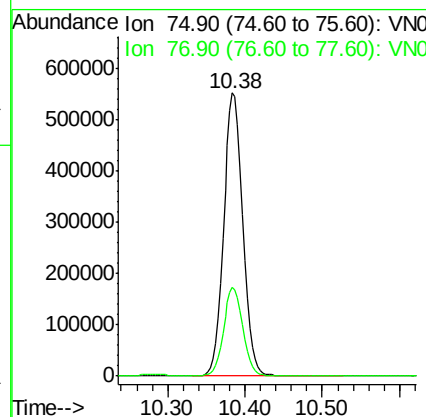
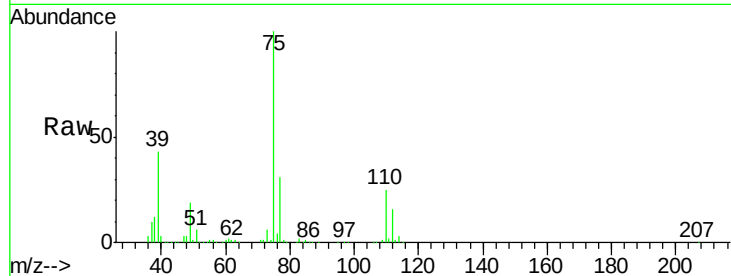
77 31.1 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 80.91 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

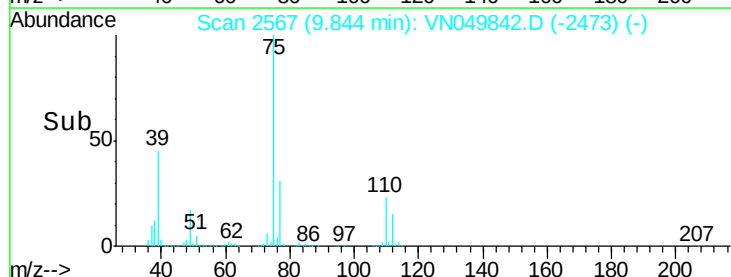
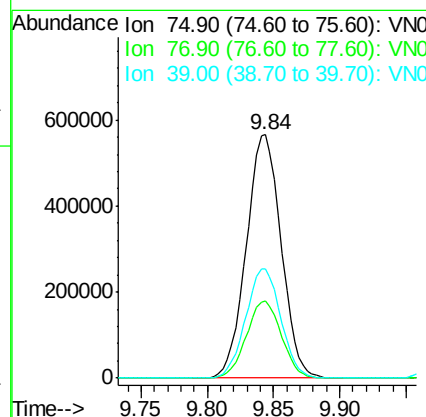
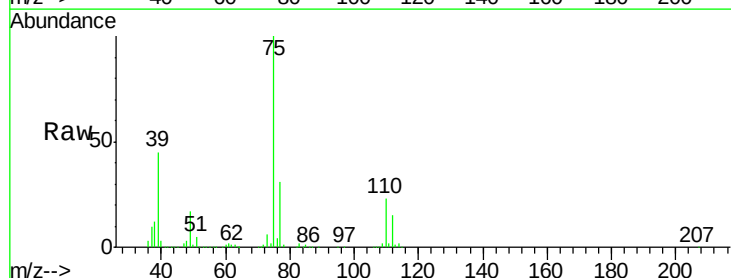
Tgt Ion: 75 Resp: 1033681

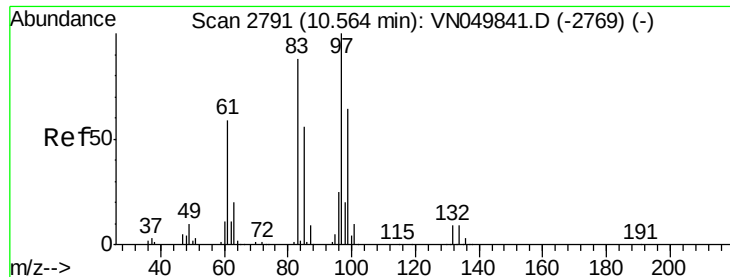
Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9

39 44.9 35.5 53.3





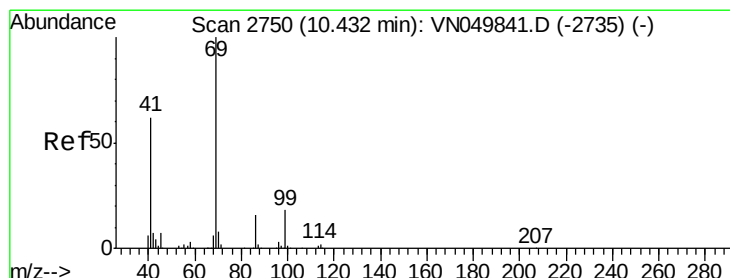
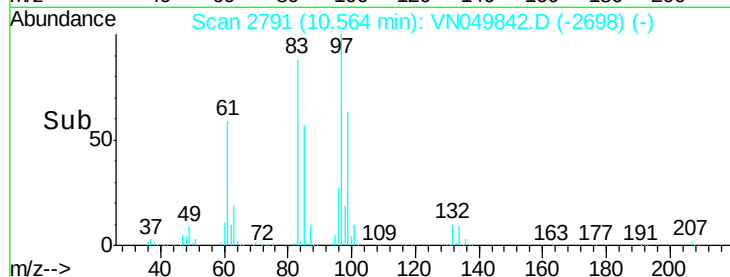
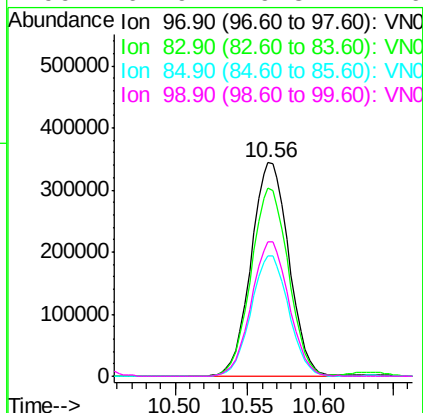
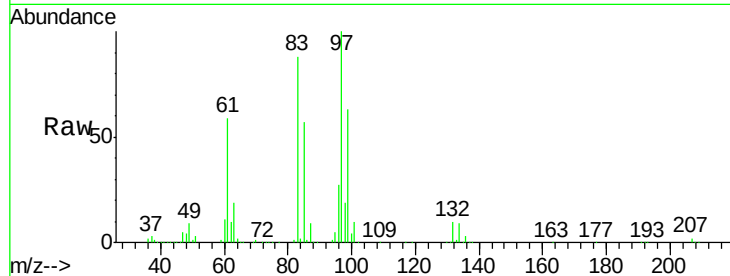
#55
 1,1,2-Trichloroethane
 Concen: 77.32 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		622593		
83	88.3	69.0	103.6		
85	56.6	44.9	67.3		
99	62.9	49.8	74.6		

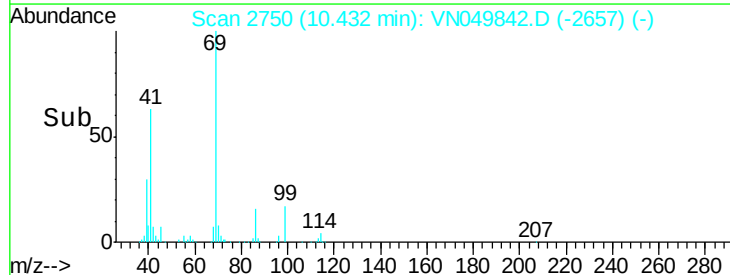
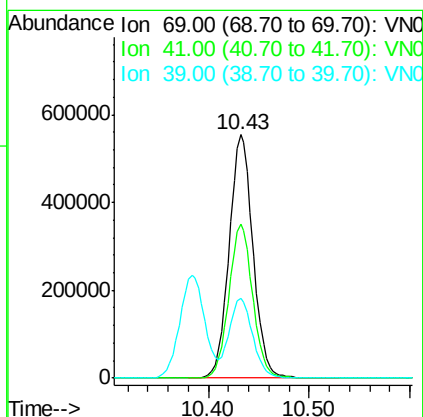
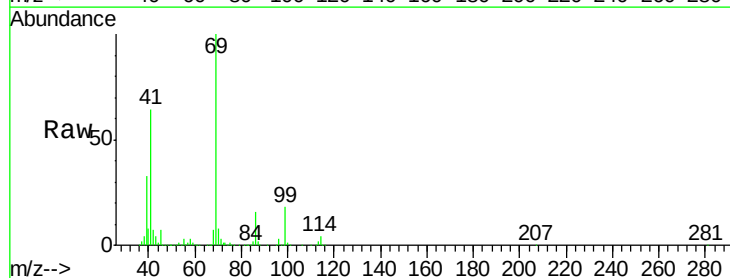
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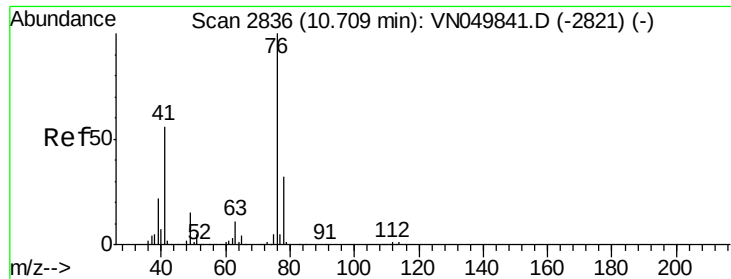
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#56
 Ethyl methacrylate
 Concen: 85.82 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		911772		
41	62.8	51.6	77.4		
39	32.7	25.8	38.8		





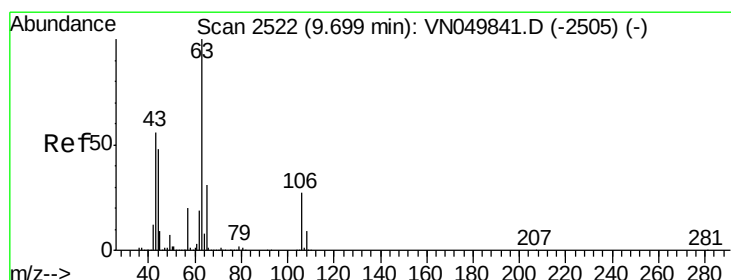
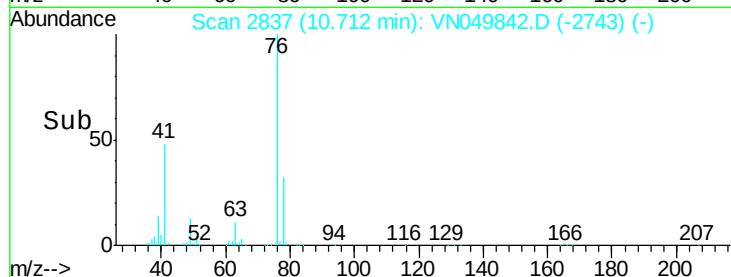
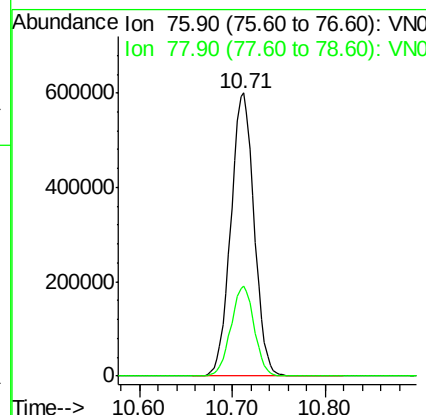
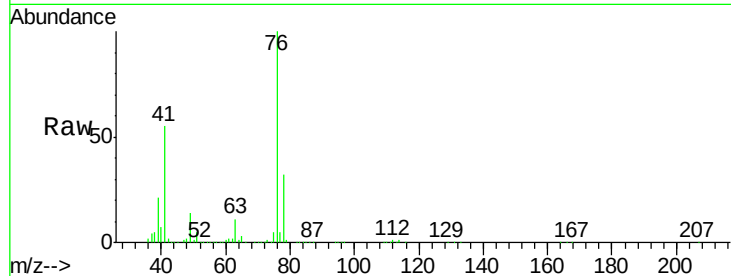
#57
 1,3-Dichloropropane
 Concen: 79.21 ug/l
 RT: 10.71 min Scan# 2837
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 1044415
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8

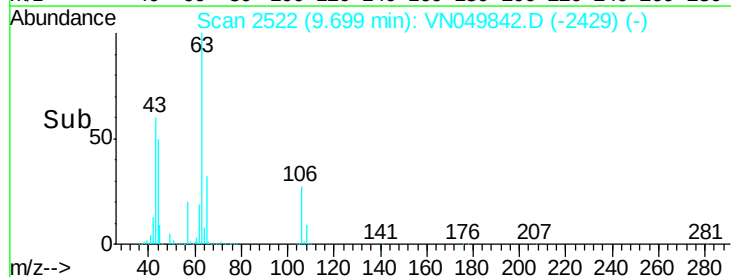
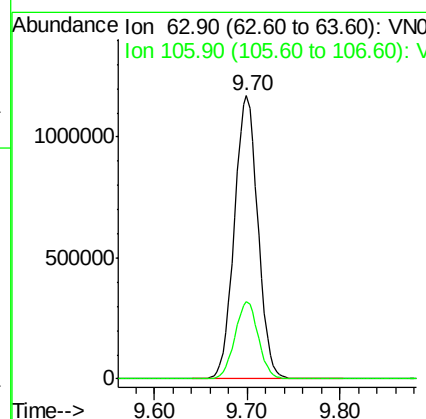
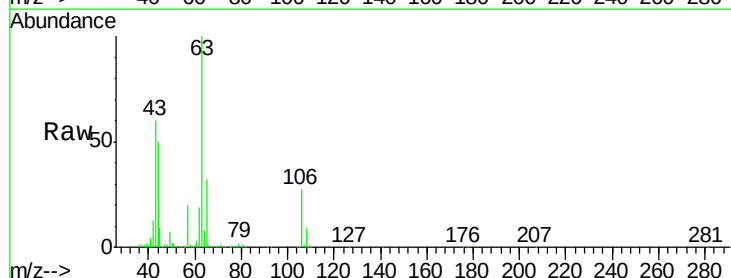
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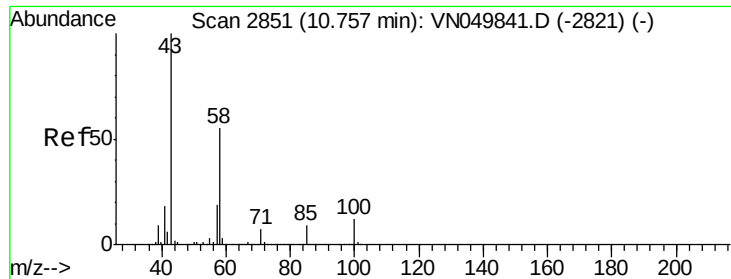
MMDadoda
 7/18/2018 11:59:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 414.63 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Tgt Ion: 63 Resp: 2054991
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.8 32.8





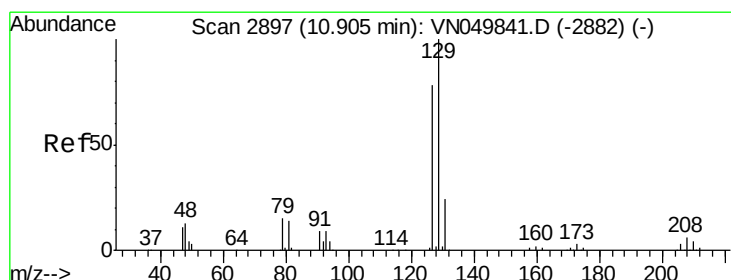
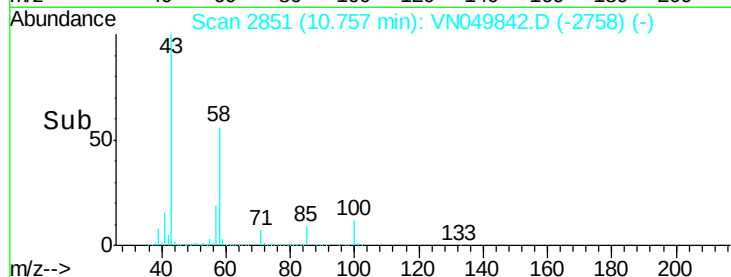
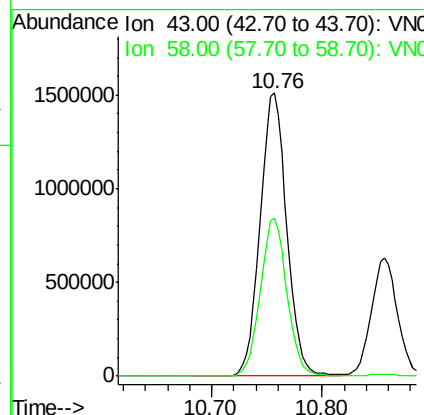
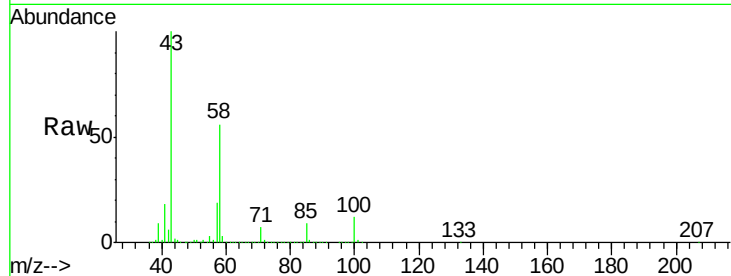
#59
2-Hexanone
Concen: 400.88 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2526461
Ion Ratio Lower Upper
43 100
58 55.6 27.8 83.4

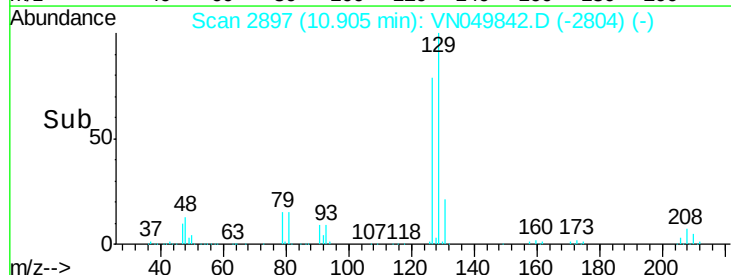
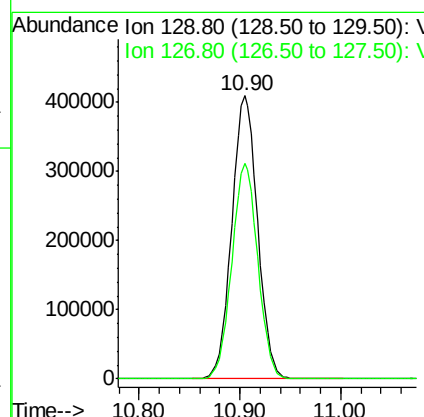
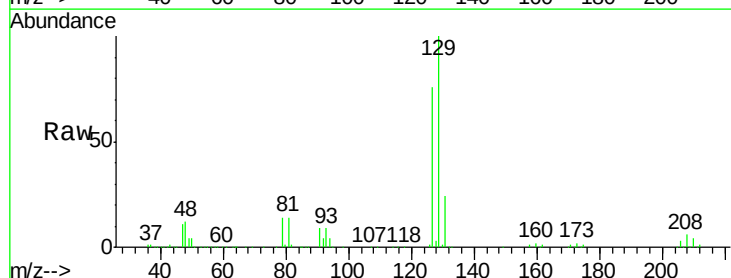
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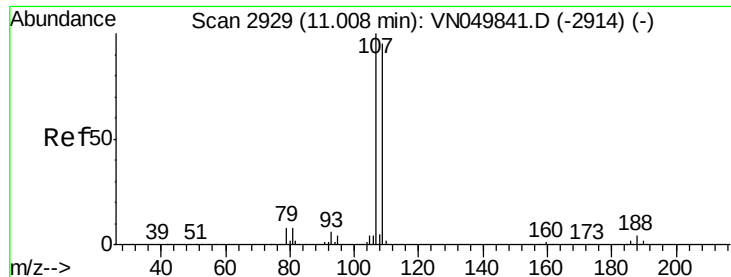
MMDadoda
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#60
Dibromochloromethane
Concen: 81.21 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Tgt Ion: 129 Resp: 730096
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.9





#61

1,2-Dibromoethane

Concen: 79.52 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 637847

Ion Ratio Lower Upper

107 100

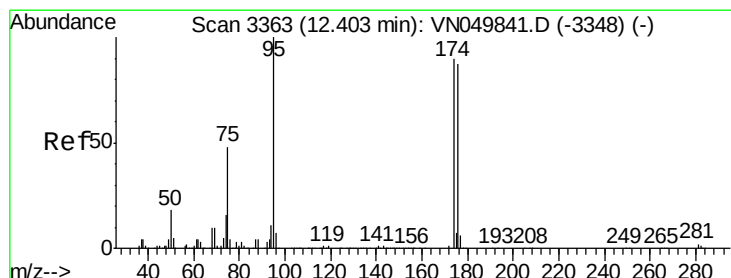
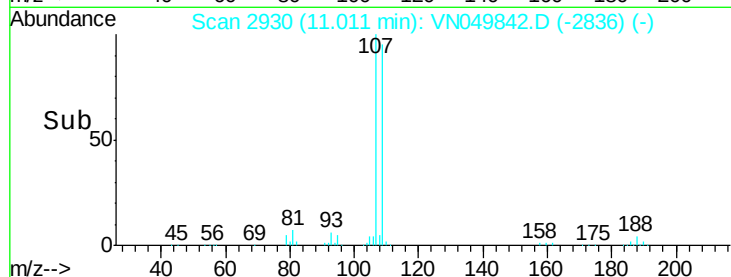
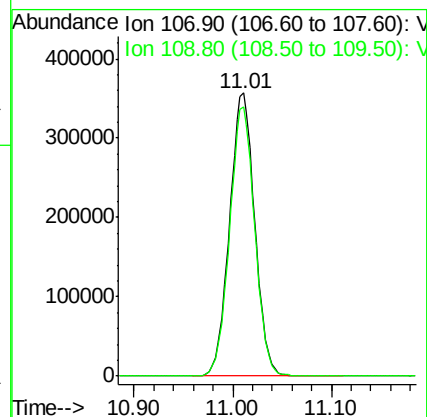
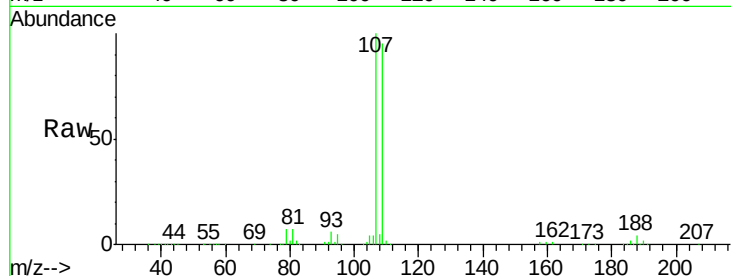
109 94.9 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 105.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

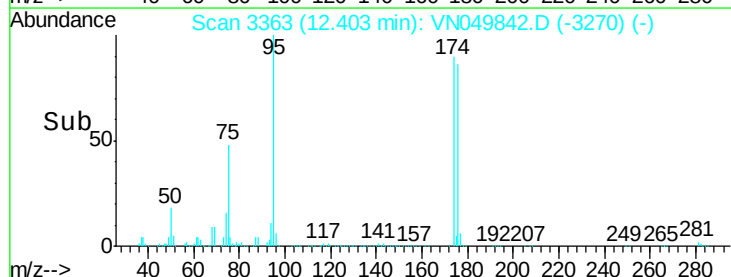
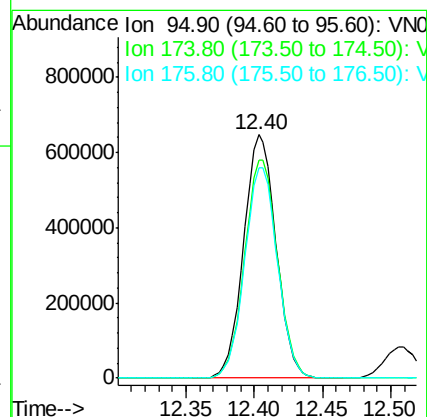
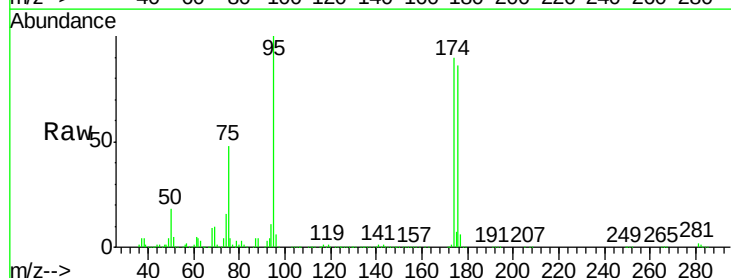
Tgt Ion: 95 Resp: 1065855

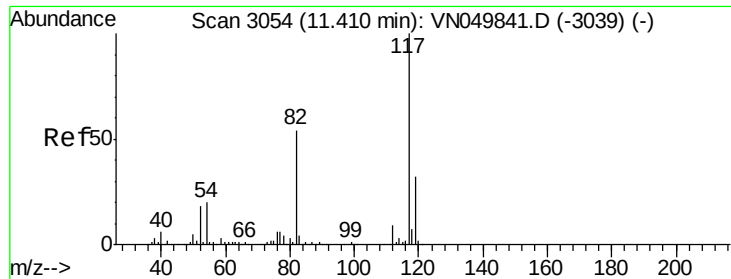
Ion Ratio Lower Upper

95 100

174 90.9 0.0 179.6

176 87.6 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: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

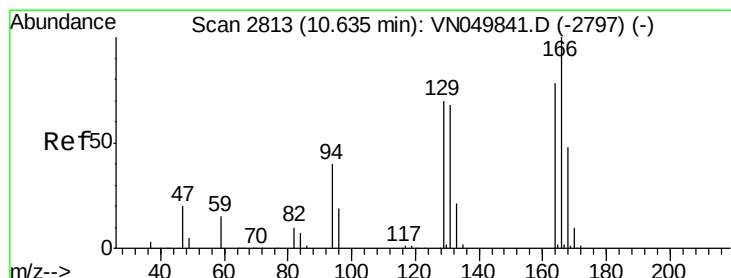
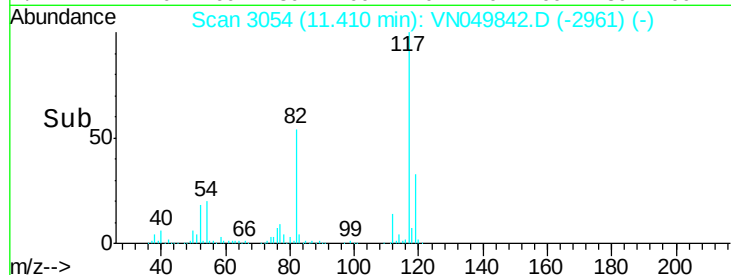
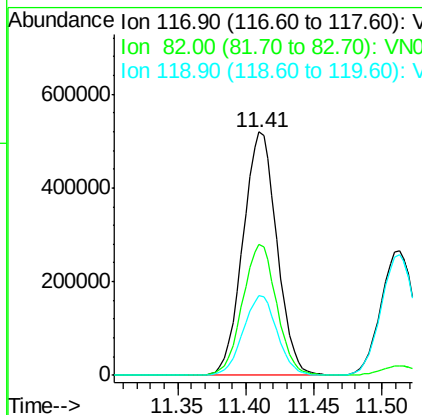
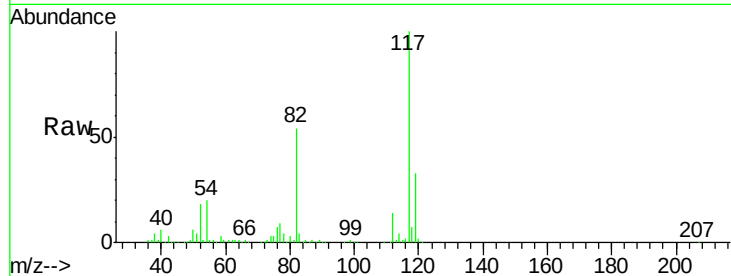
ClientSampleId :

VSTDIC100

Tot Ion:	117	Resp:	896527
Ion Ratio	Lower	Upper	
117	100		
82	53.9	41.9	62.9
119	32.5	25.4	38.2

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#64

Tetrachloroethene

Concen: 73.65 ug/l

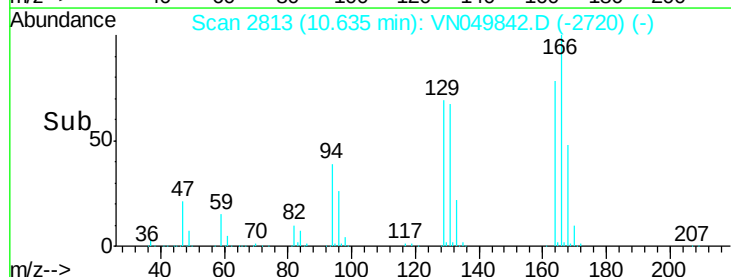
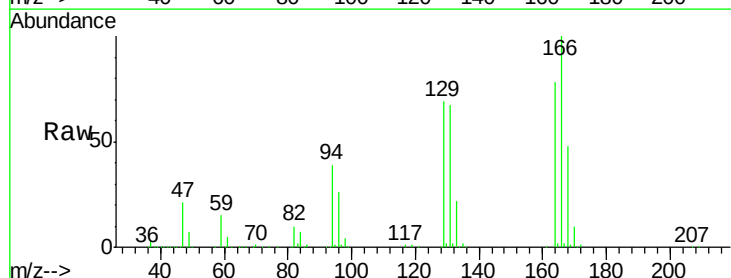
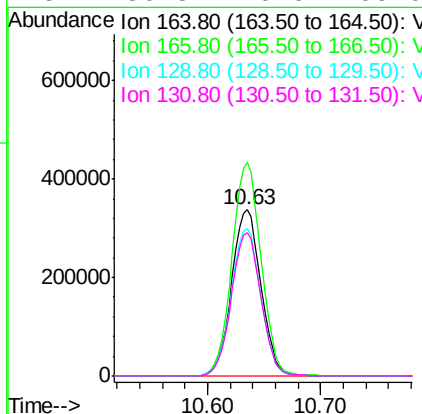
RT: 10.63 min Scan# 2813

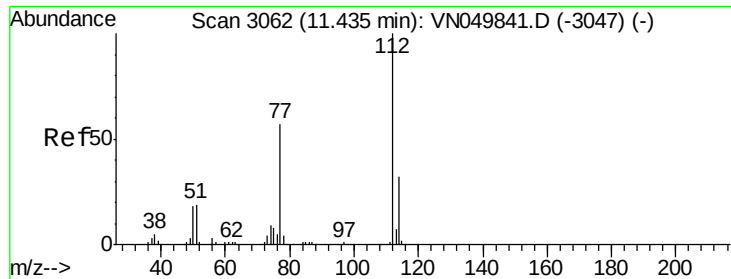
Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Tgt Ion:	164	Resp:	609235
Ion Ratio	Lower	Upper	
164	100		
166	128.4	101.8	152.6
129	88.6	72.8	109.2
131	86.3	70.0	105.0





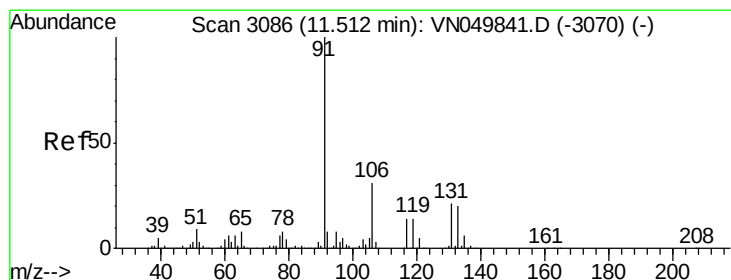
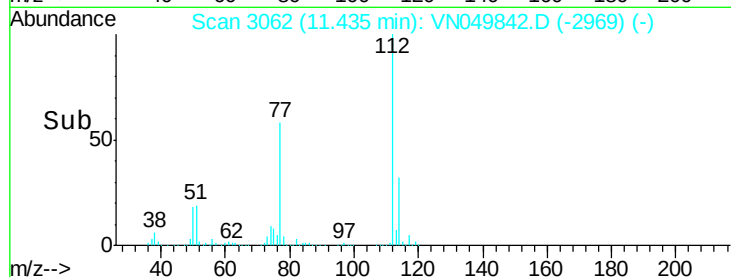
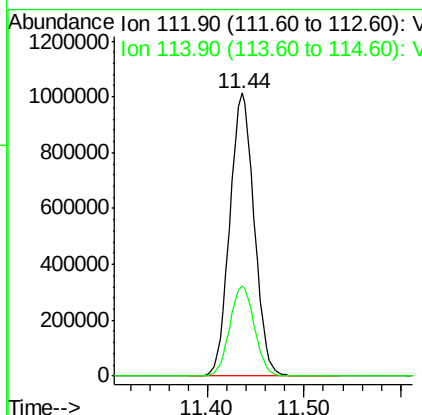
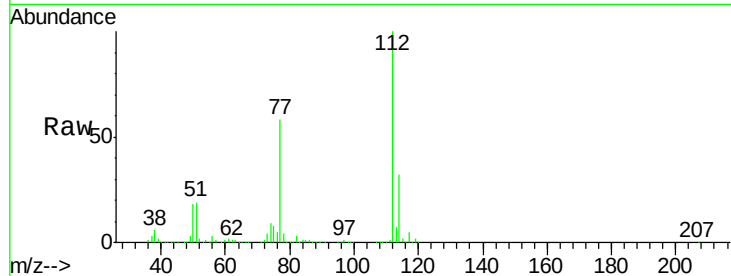
#65
Chlorobenzene
Concen: 76.38 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1771079
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

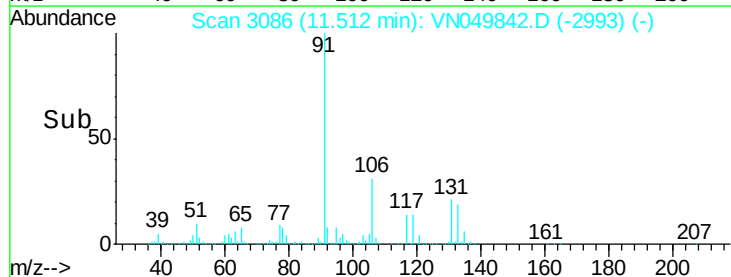
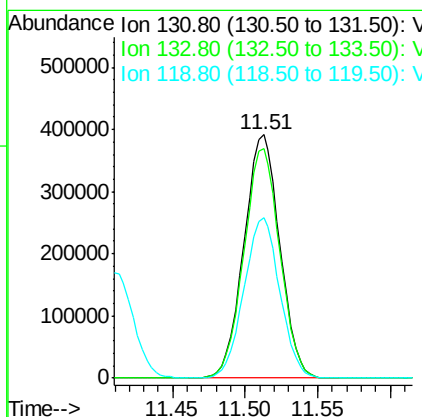
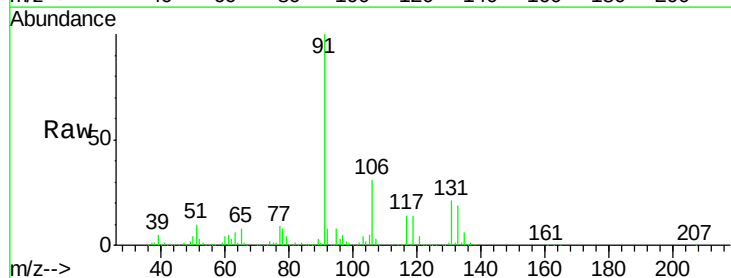
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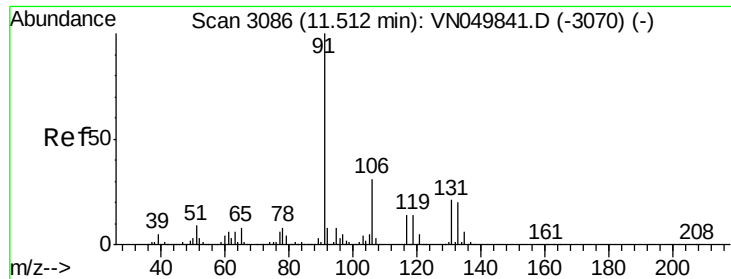
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#66
1,1,1,2-Tetrachloroethane
Concen: 78.26 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Tgt Ion:131 Resp: 674390
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.6
119 65.9 33.1 99.3





#67

Ethyl Benzene

Concen: 82.12 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 3115341

Ion Ratio Lower Upper

91 100

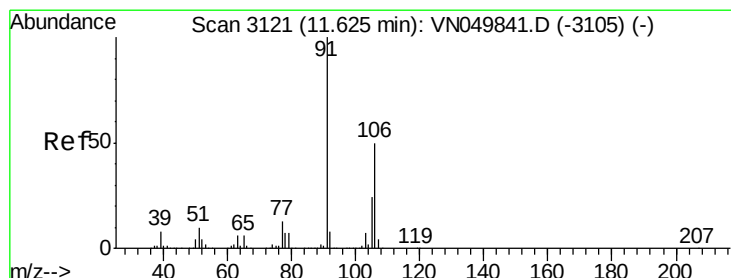
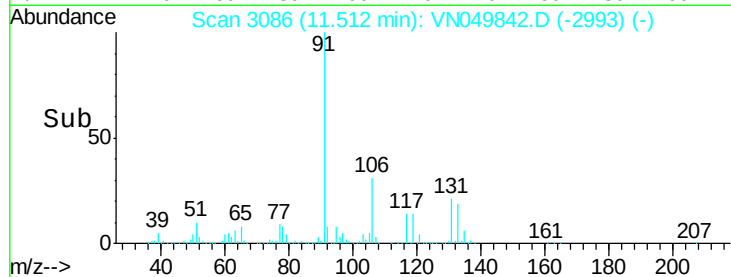
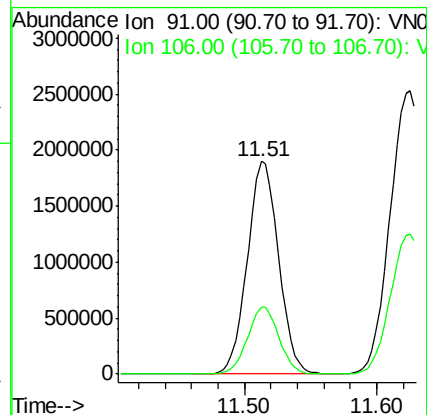
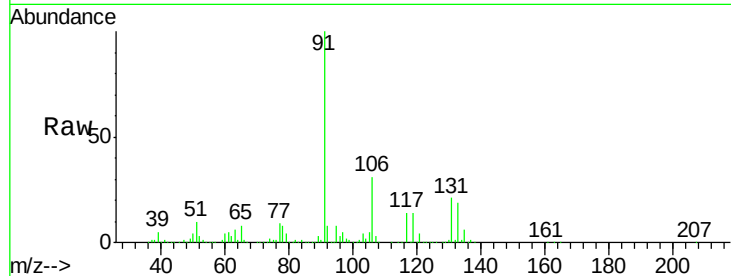
106 31.5 24.8 37.2

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#68

m/p-Xylenes

Concen: 164.62 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049842.D

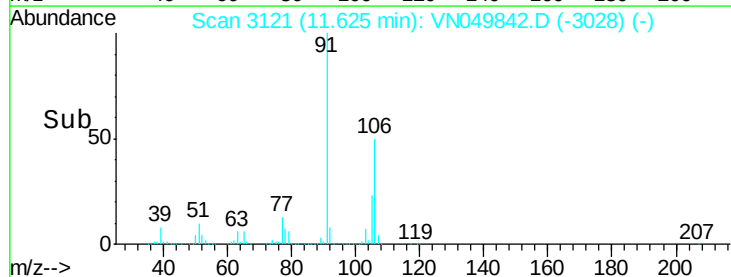
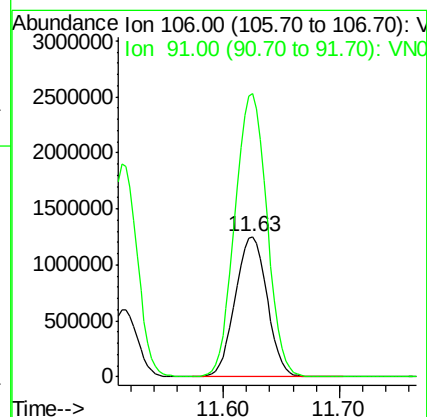
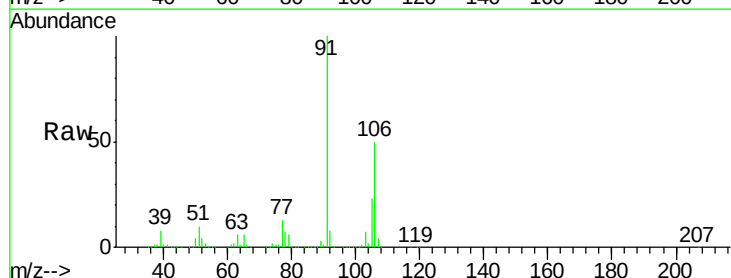
Acq: 17 Jul 2018 12:21

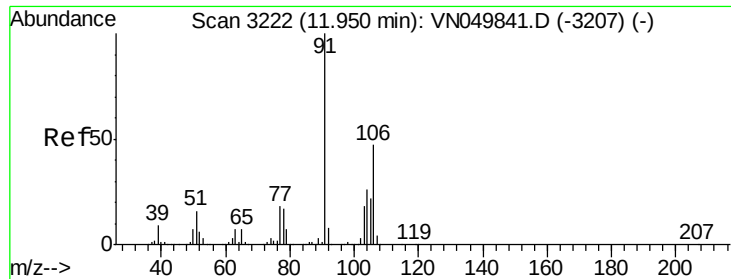
Tgt Ion: 106 Resp: 2380614

Ion Ratio Lower Upper

106 100

91 203.1 163.4 245.2





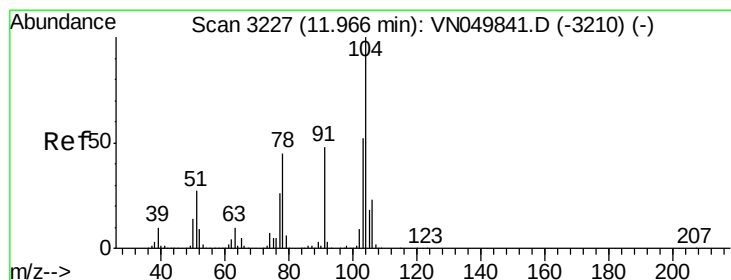
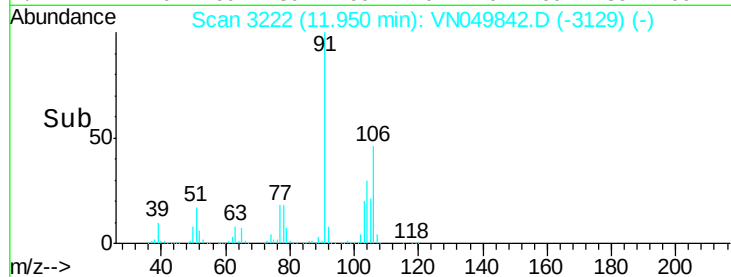
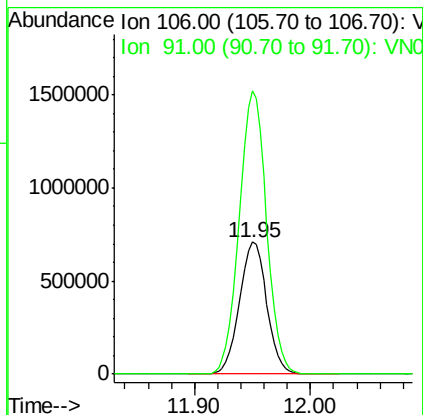
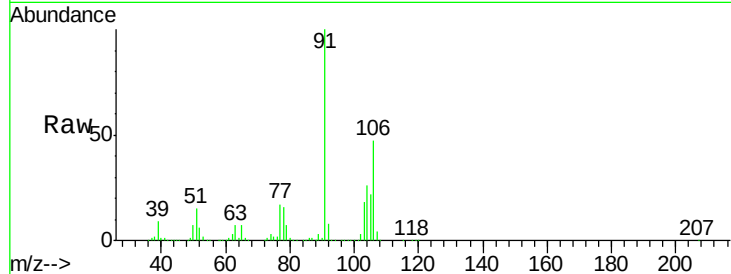
#69
o-Xylene
Concen: 84.05 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1155645
Ion Ratio Lower Upper
106 100
91 213.8 108.7 326.1

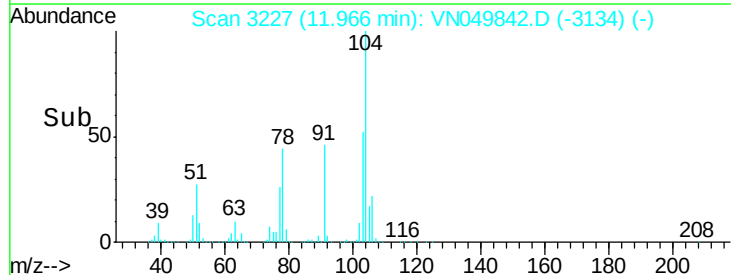
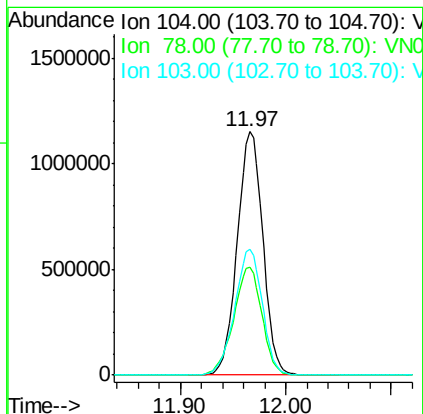
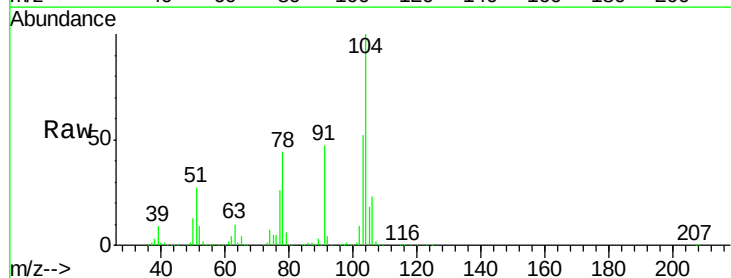
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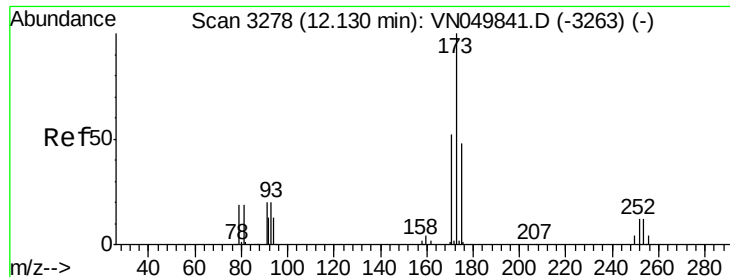
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#70
Styrene
Concen: 86.24 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049842.D
Acq: 17 Jul 2018 12:21

Tgt Ion:104 Resp: 1941109
Ion Ratio Lower Upper
104 100
78 48.7 39.2 58.8
103 55.7 44.6 67.0





#71

Bromoform

Concen: 81.45 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 558099

Ion Ratio Lower Upper

173 100

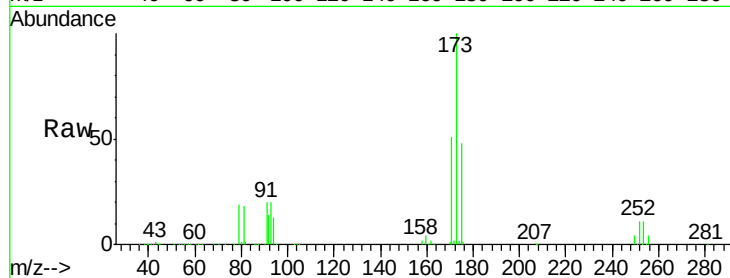
175 48.4 24.6 73.8

254 0.2 0.2 0.2#

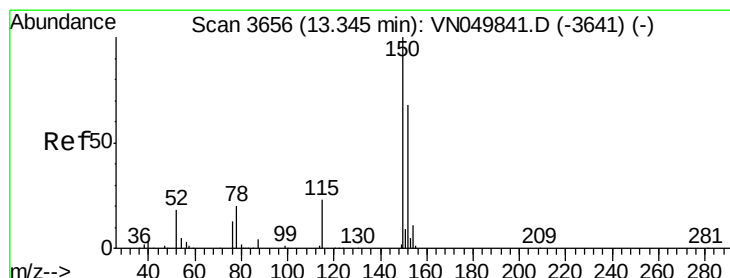
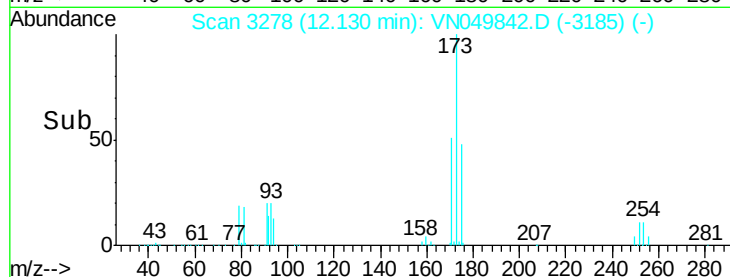
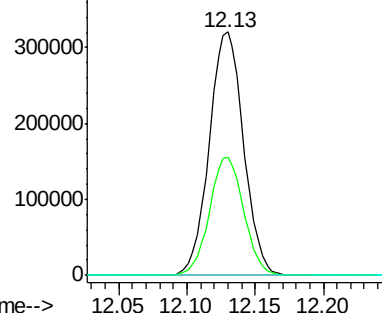
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

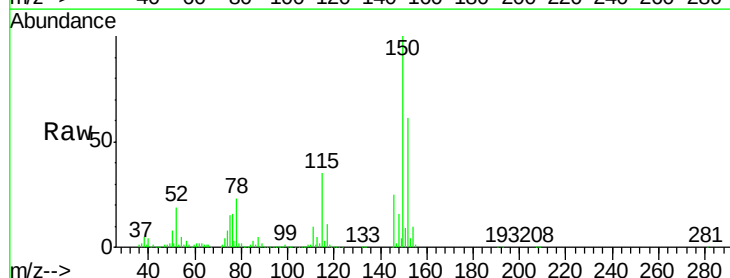
Tgt Ion:152 Resp: 498896

Ion Ratio Lower Upper

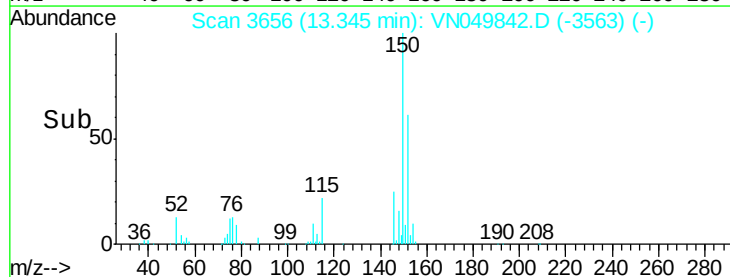
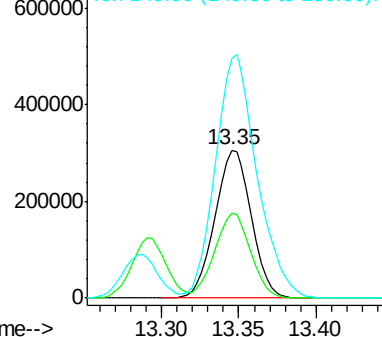
152 100

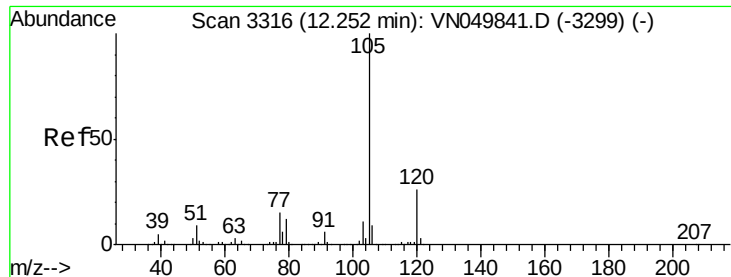
115 56.9 28.1 84.2

150 187.9 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: 77.25 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 3064959

Ion Ratio Lower Upper

105 100

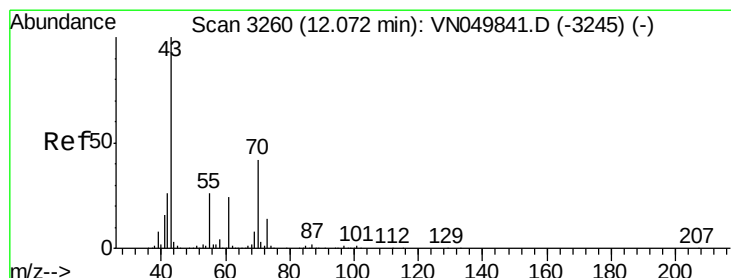
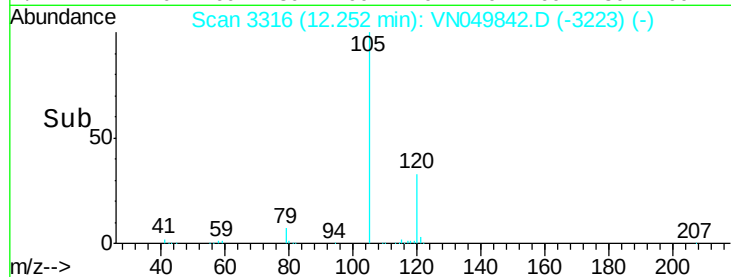
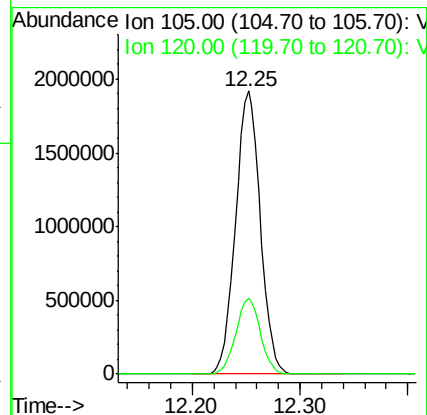
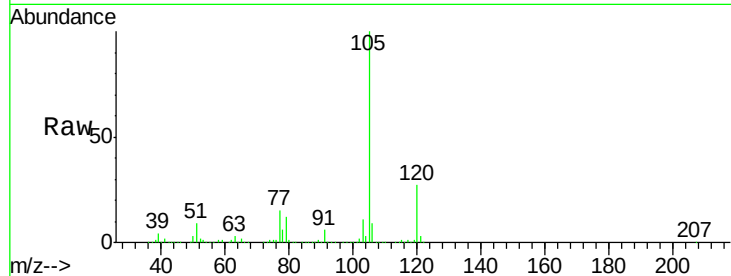
120 26.6 13.3 39.8

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#74

N-ethyl acetate

Concen: 77.66 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Tgt Ion: 43 Resp: 1079052

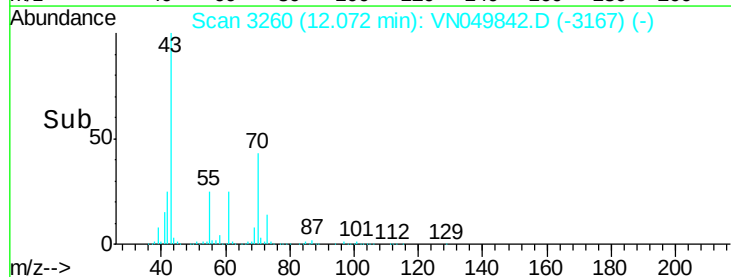
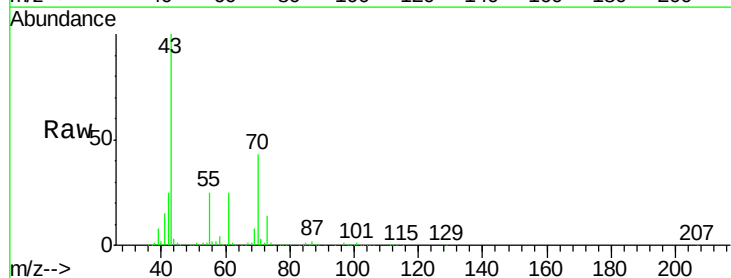
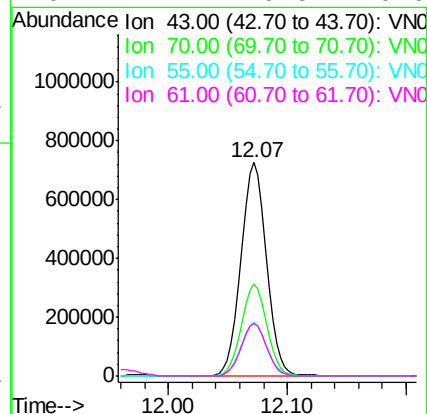
Ion Ratio Lower Upper

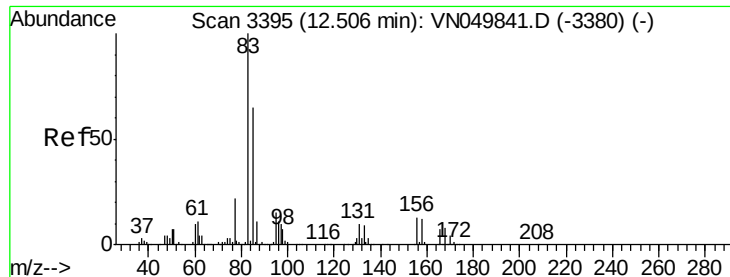
43 100

70 43.1 34.8 52.2

55 25.2 20.9 31.3

61 24.7 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 69.58 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 83 Resp: 896568
Ion Ratio Lower Upper

83 100

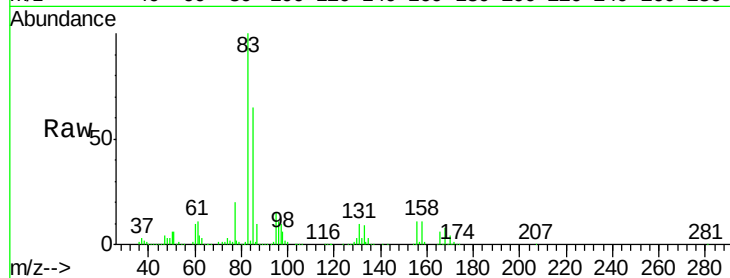
131 10.4 5.2 15.6

85 64.6 32.5 97.4

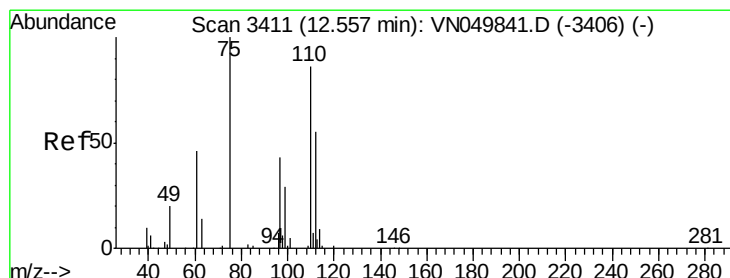
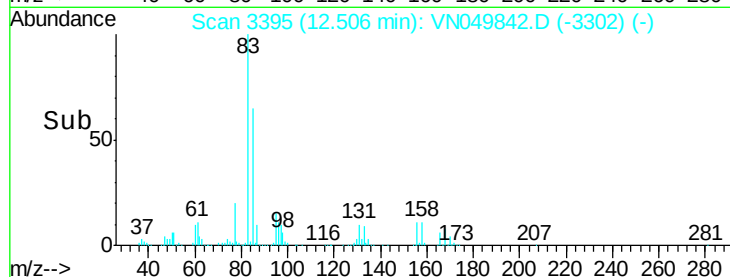
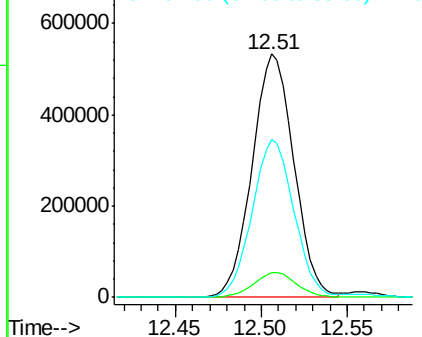
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Abundance Ion 82.90 (82.60 to 83.60): VN049841.D (-3380) (-)
Ion 130.80 (130.50 to 131.50): VN049841.D (-3380) (-)
Ion 84.90 (84.60 to 85.60): VN049841.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 73.72 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

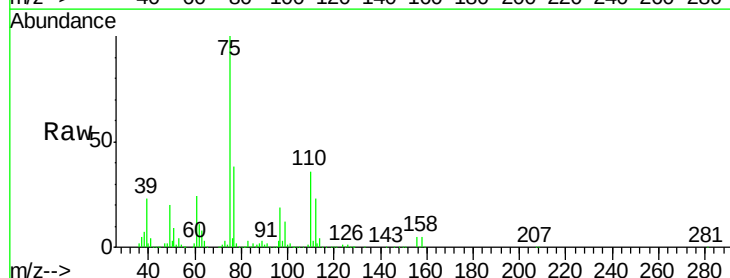
Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

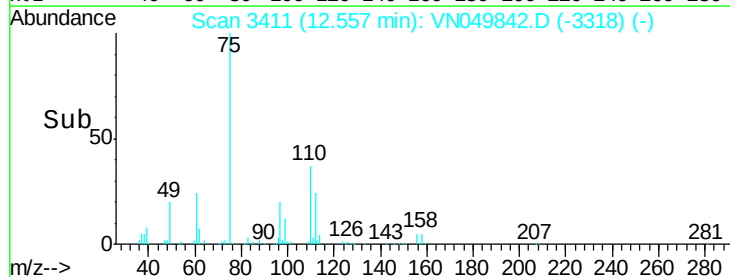
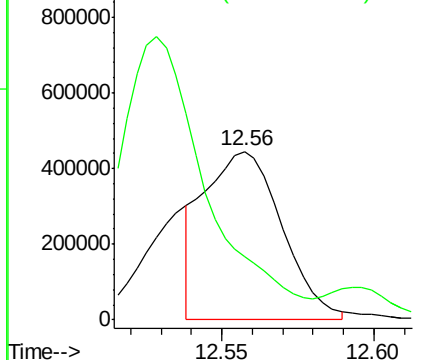
Tgt Ion: 75 Resp: 793690
Ion Ratio Lower Upper

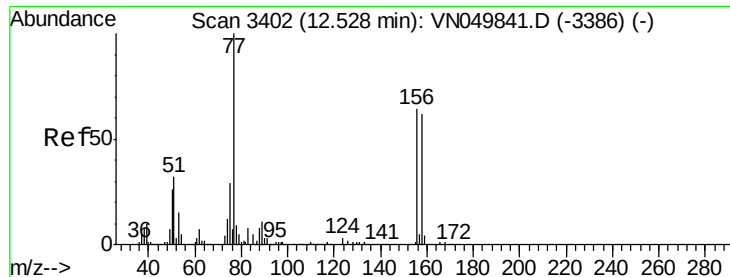
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049841.D (-3406) (-)
Ion 77.00 (76.70 to 77.70): VN049841.D (-3406) (-)





#77

Bromobenzene

Concen: 75.40 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 813915

Ion Ratio Lower Upper

156 100

77 187.2 90.2 270.6

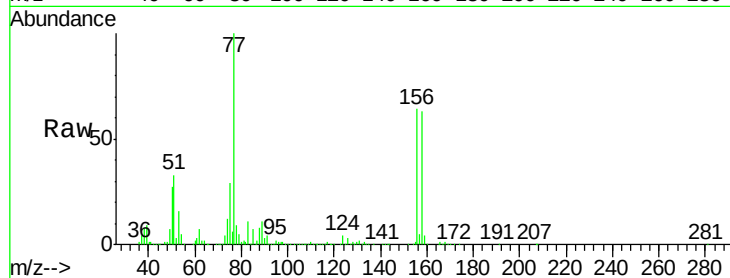
158 97.7 49.1 147.3

Manual Integrations

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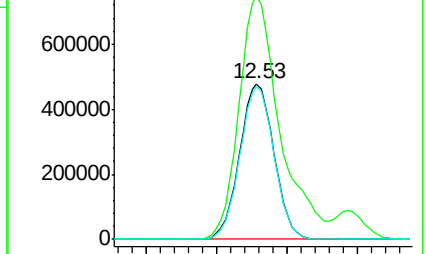
7/18/2018 11:59:11 AM



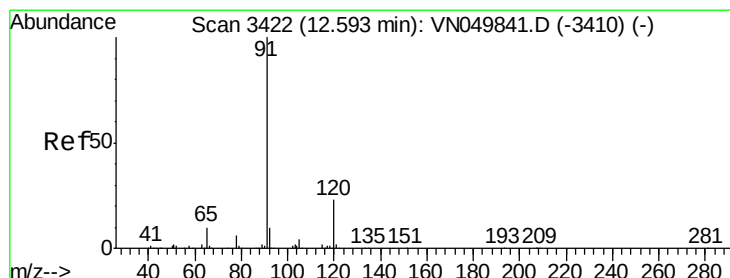
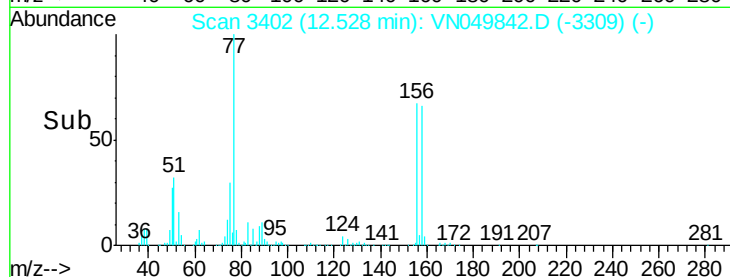
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 78.81 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049842.D

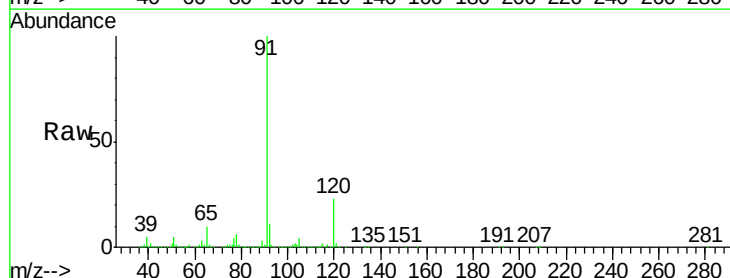
Acq: 17 Jul 2018 12:21

Tgt Ion: 91 Resp: 3545956

Ion Ratio Lower Upper

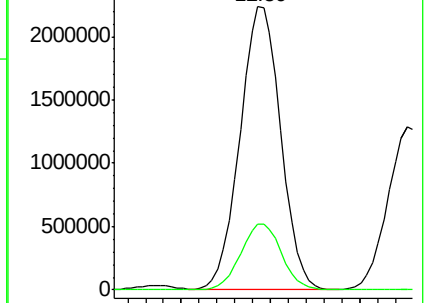
91 100

120 23.4 11.5 34.4

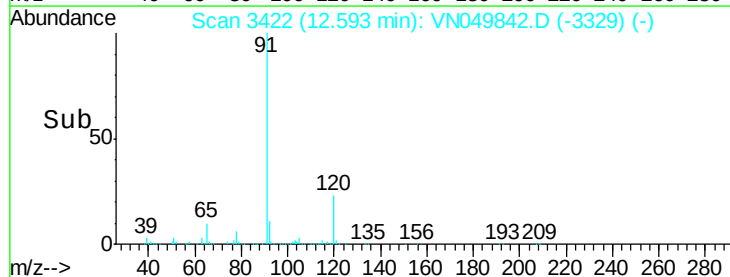


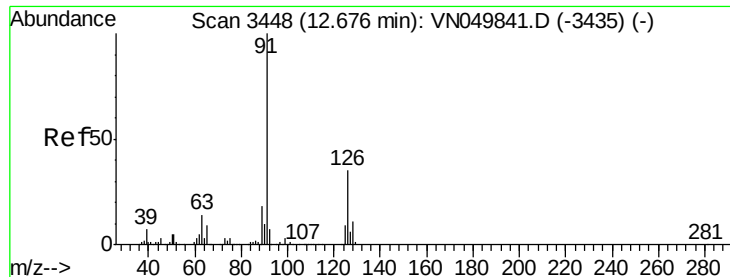
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 75.61 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 2109663

Ion Ratio Lower Upper

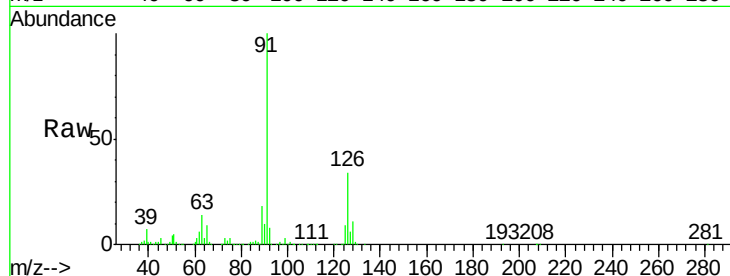
91 100

126 34.8 17.5 52.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN049841.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049841.D (-3435) (-)

2000000

1500000

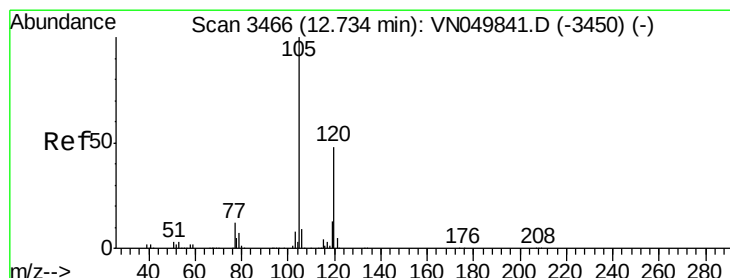
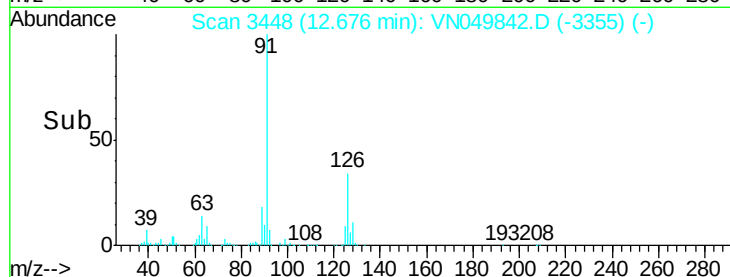
1000000

500000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 79.66 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049842.D

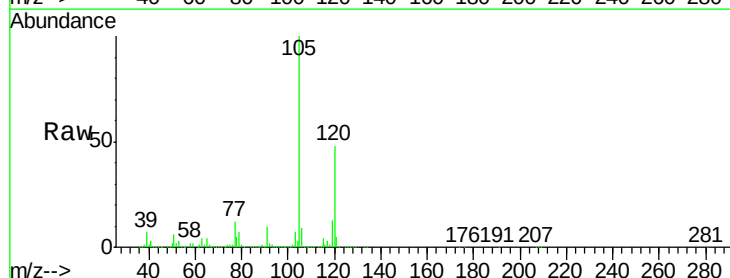
Acq: 17 Jul 2018 12:21

Tgt Ion:105 Resp: 2506780

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049841.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049841.D (-3450) (-)

1500000

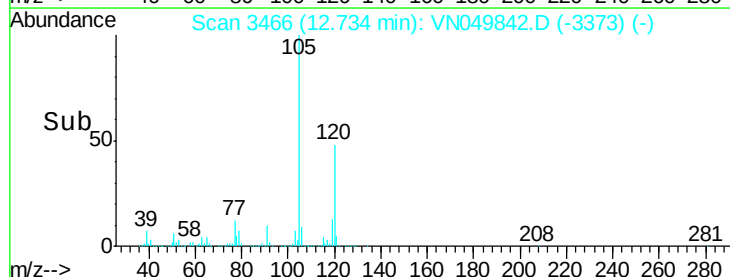
1000000

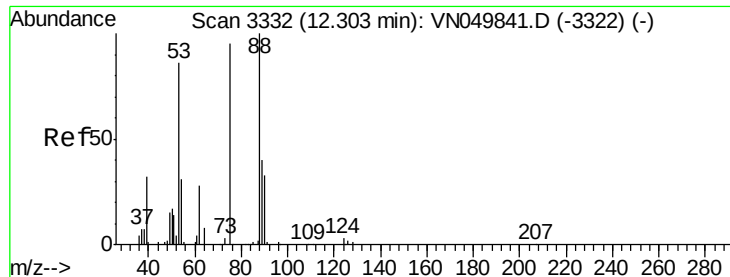
500000

0

12.70 12.73 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 79.63 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 271661

Ion Ratio Lower Upper

75 100

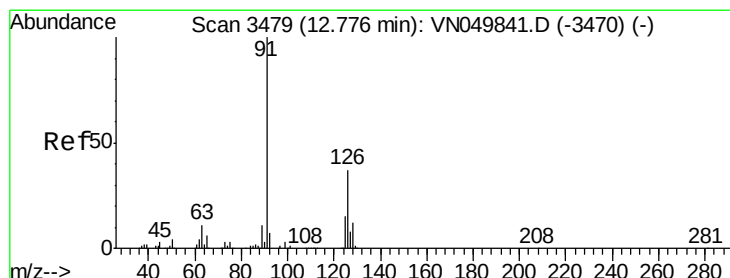
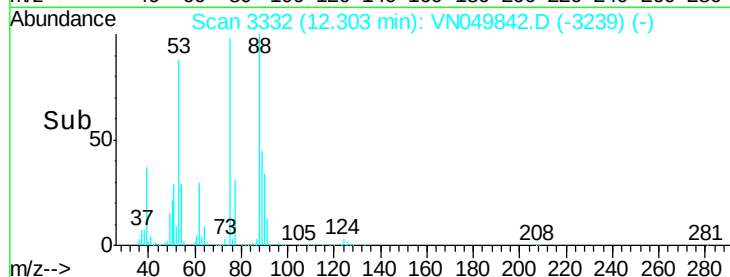
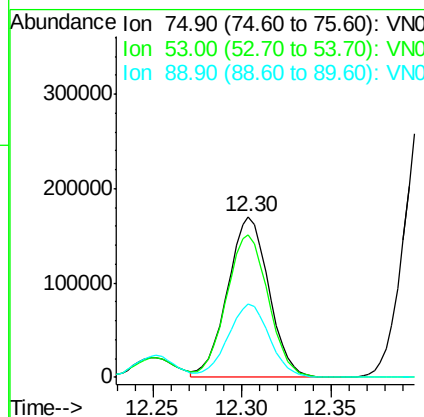
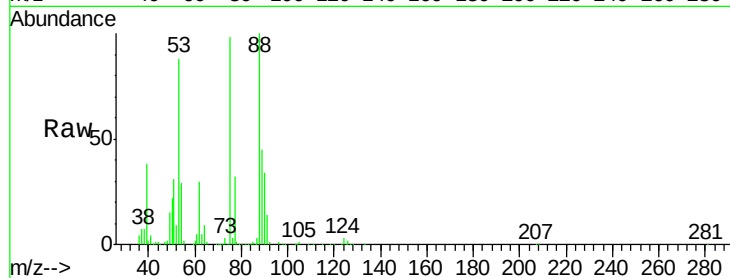
53 91.5 73.9 110.9

89 46.2 35.9 53.9

Manual Integrations
APPROVED

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#82

4-Chlorotoluene

Concen: 75.74 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049842.D

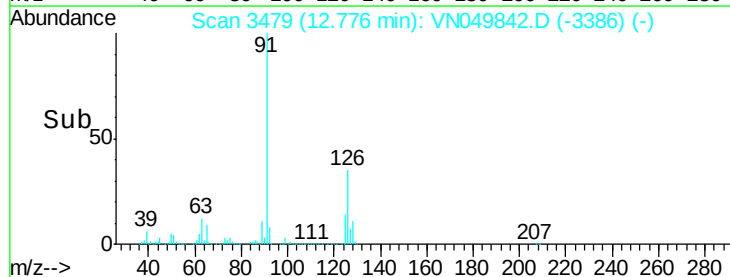
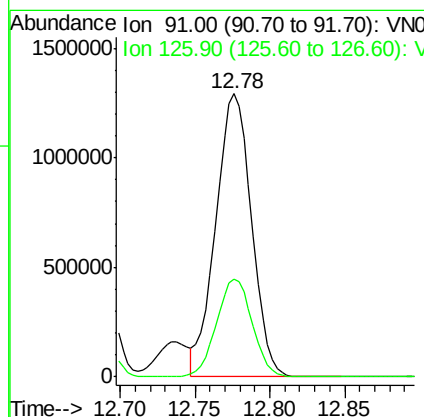
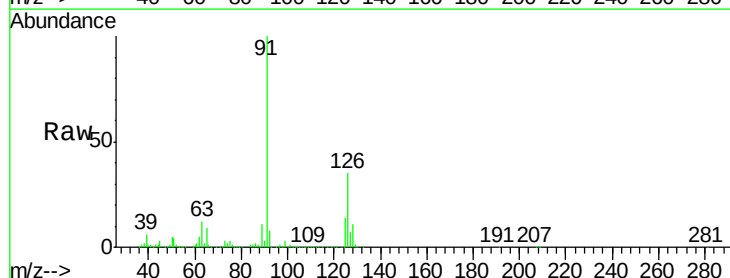
Acq: 17 Jul 2018 12:21

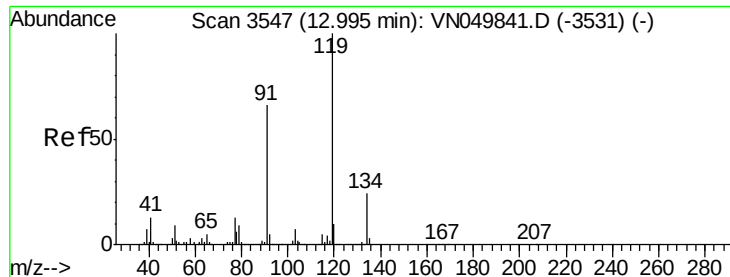
Tgt Ion: 91 Resp: 2145224

Ion Ratio Lower Upper

91 100

126 34.6 17.2 51.6





#83

tert-Butylbenzene

Concen: 78.05 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 2173120

Ion Ratio Lower Upper

119 100

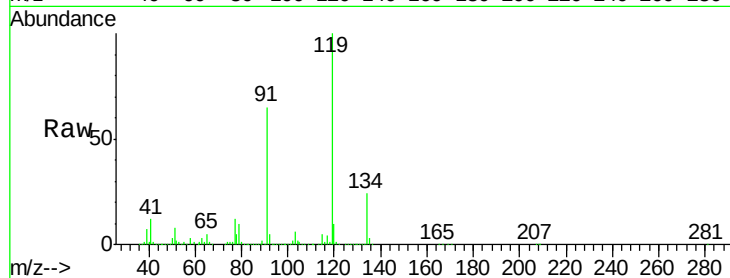
91 63.6 32.0 96.2

134 26.3 12.8 38.4

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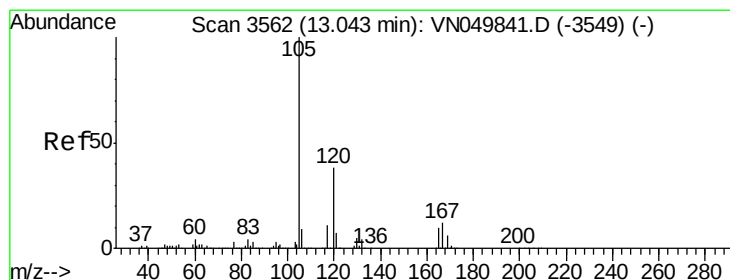
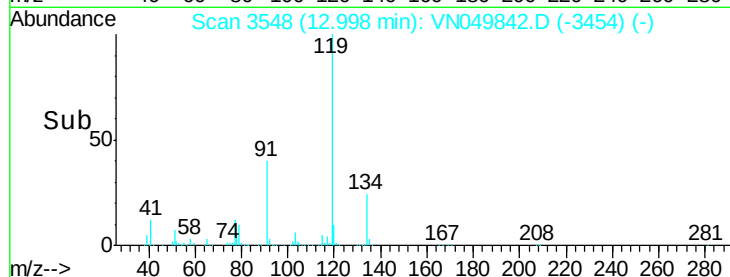
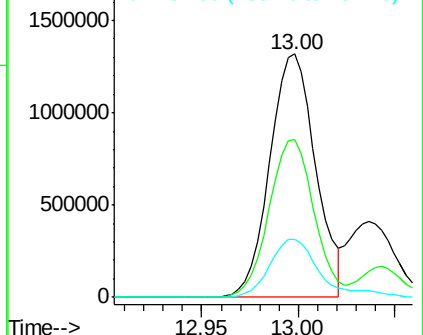
7/18/2018 11:59:11 AM



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: 80.21 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049842.D

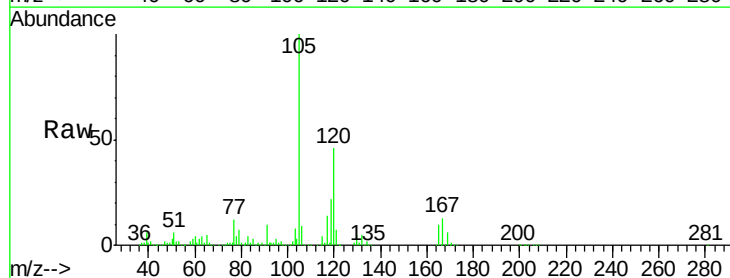
Acq: 17 Jul 2018 12:21

Tgt Ion:105 Resp: 2571856

Ion Ratio Lower Upper

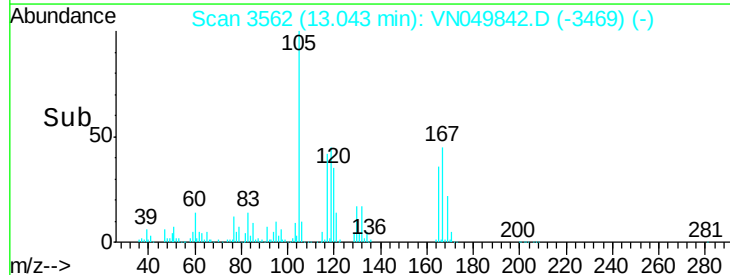
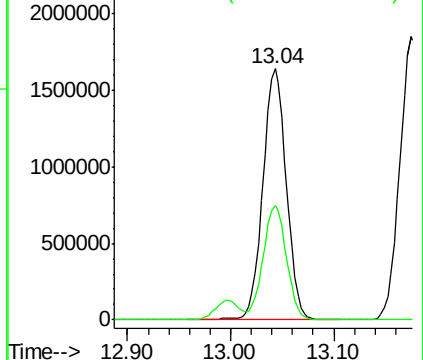
105 100

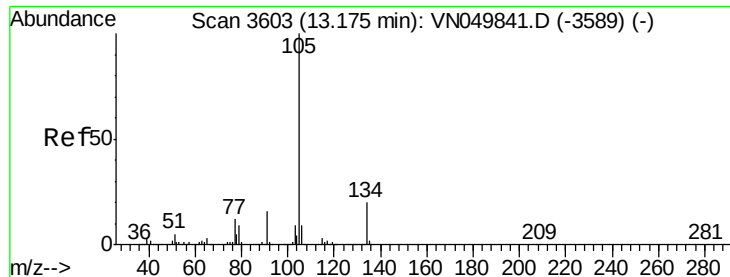
120 45.6 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 79.08 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 2925130

Ion Ratio Lower Upper

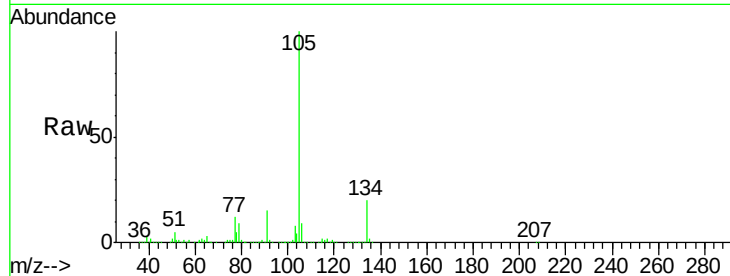
105 100

134 20.2 10.1 30.1

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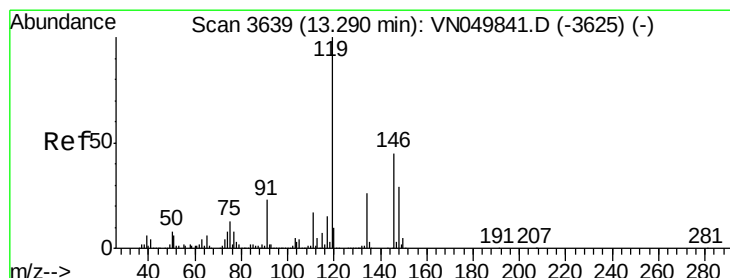
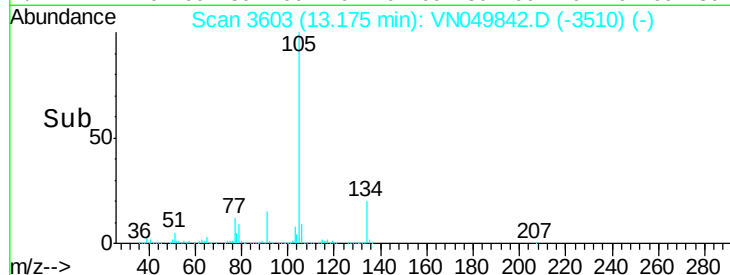
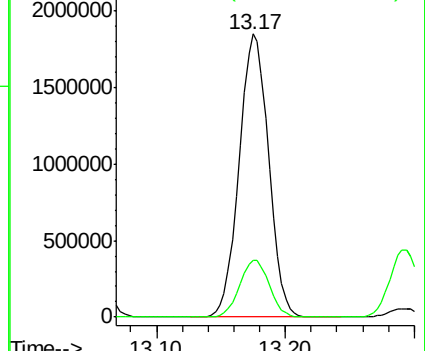
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 81.59 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

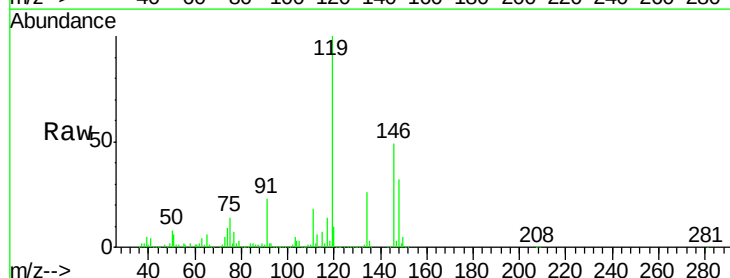
Tgt Ion:119 Resp: 2573141

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

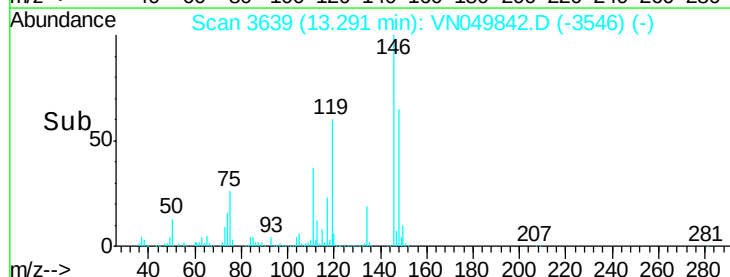
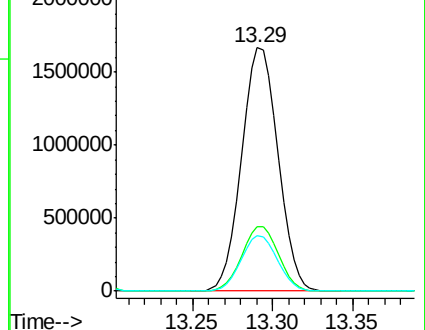
91 22.7 11.4 34.1

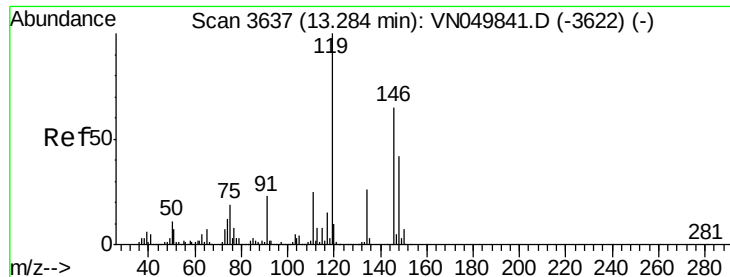


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





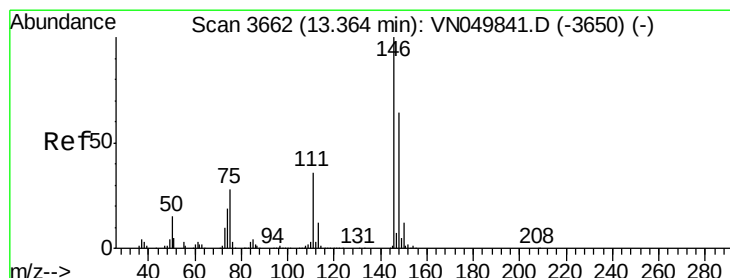
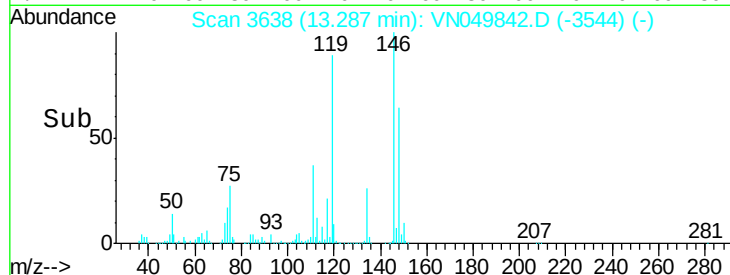
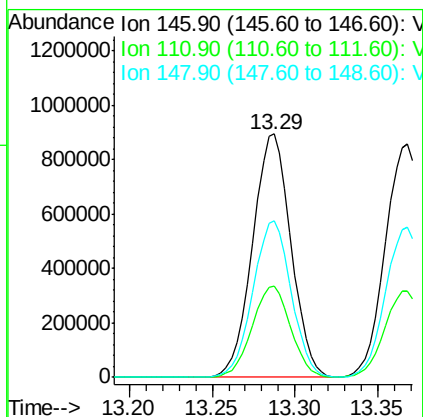
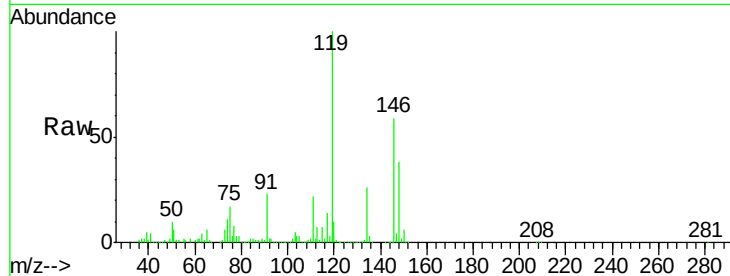
#87
 1,3-Dichlorobenzene
 Concen: 75.48 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.0	57.0
148	64.0	32.5	97.5

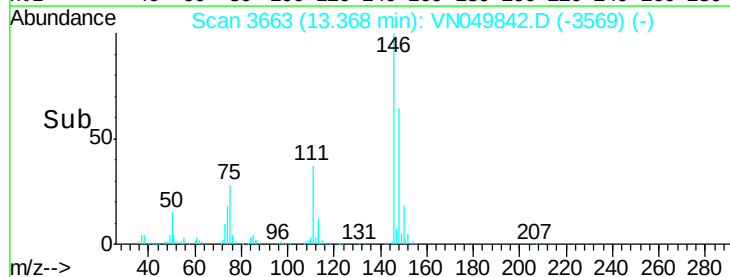
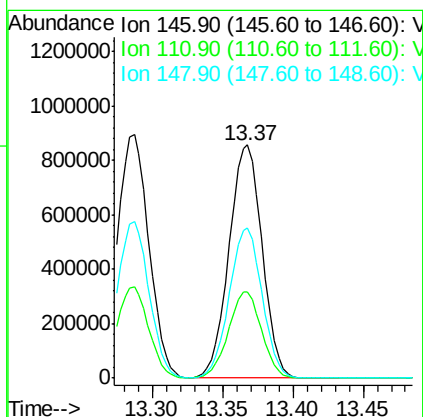
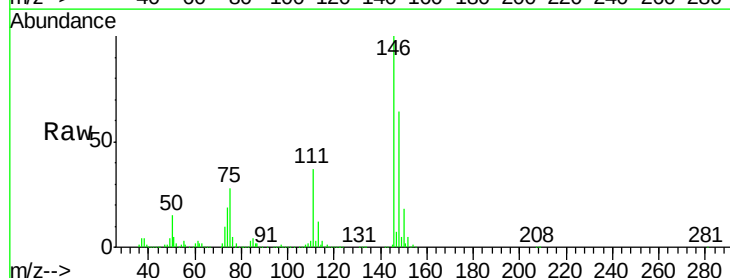
Manual Integrations
 APPROVED

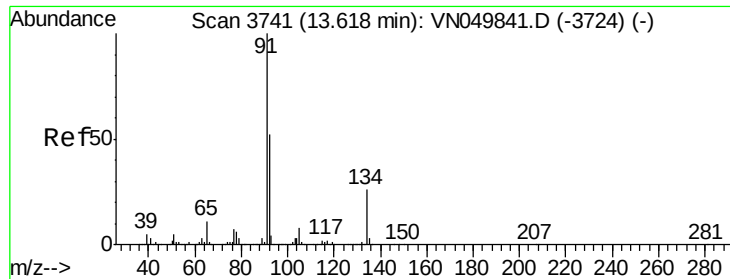
MMDadoda
 7/18/2018 11:59:11 AM



#88
 1,4-Dichlorobenzene
 Concen: 72.43 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.5
148	63.8	32.1	96.3





#89

n-Butylbenzene

Concen: 81.52 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 2167038

Ion Ratio Lower Upper

91 100

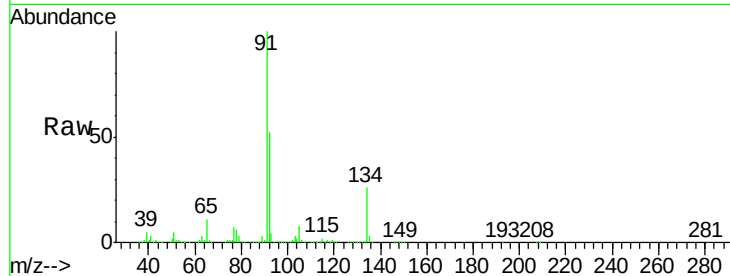
92 52.0 25.8 77.3

134 26.0 13.0 38.9

Manual Integrations
APPROVED

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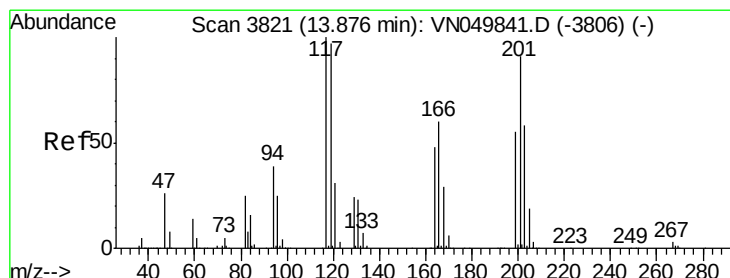
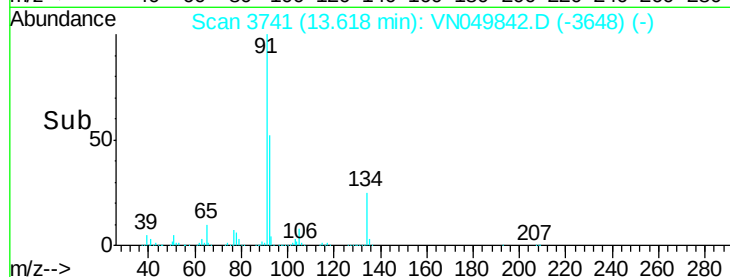
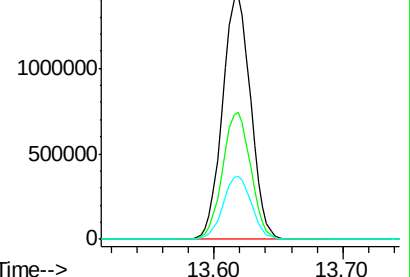
7/18/2018 11:59:11 AM



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) (-)



#90

Hexachloroethane

Concen: 73.39 ug/l

RT: 13.88 min Scan# 3822

Delta R.T. 0.00 min

Lab File: VN049842.D

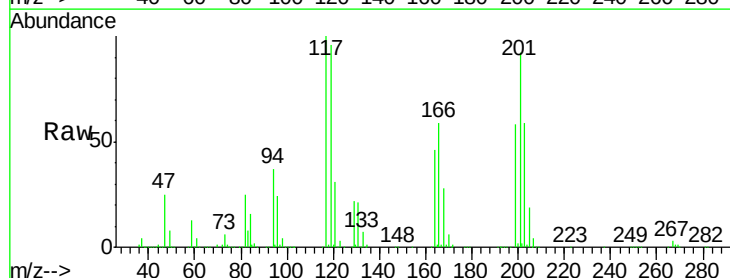
Acq: 17 Jul 2018 12:21

Tgt Ion: 117 Resp: 491567

Ion Ratio Lower Upper

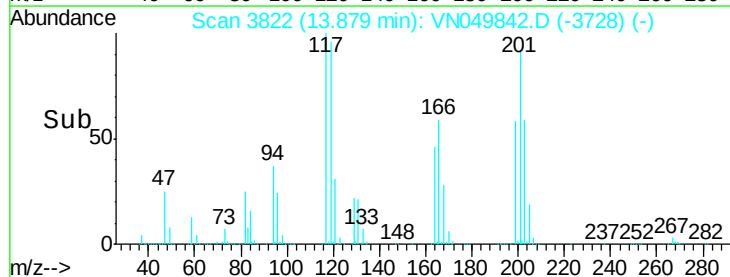
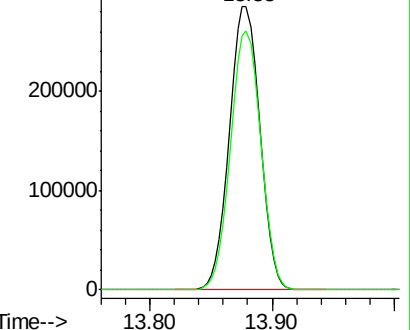
117 100

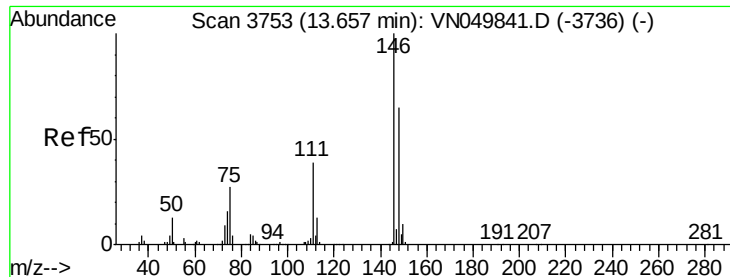
201 90.8 45.3 135.8



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

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





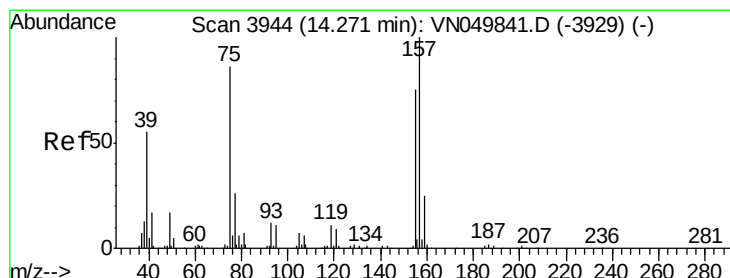
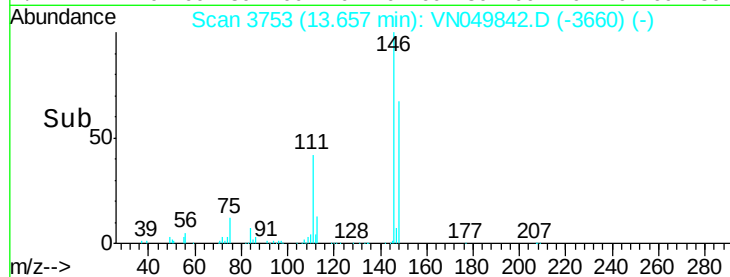
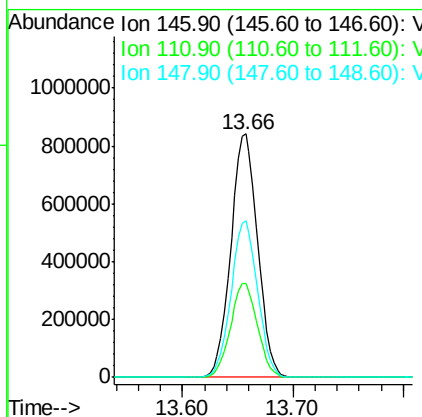
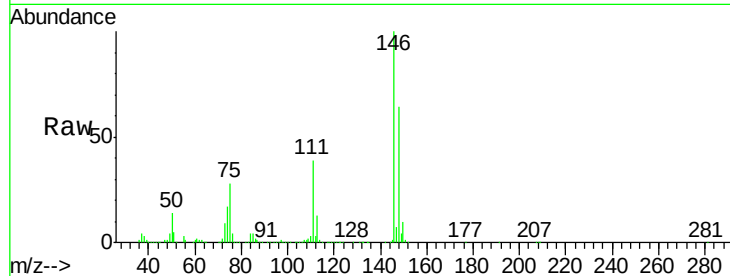
#91
 1,2-Dichlorobenzene
 Concen: 74.78 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	63.9	32.0	96.2

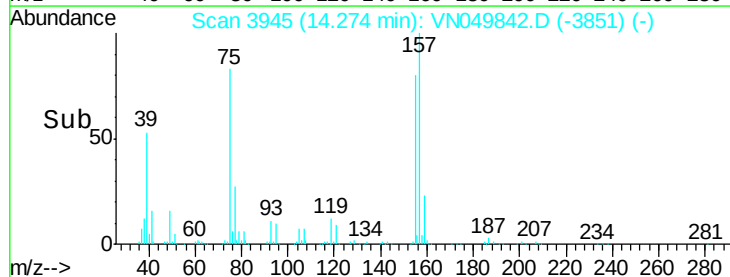
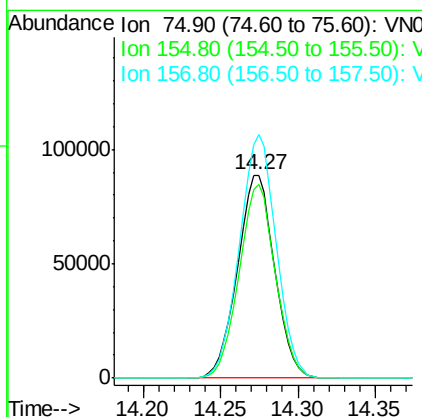
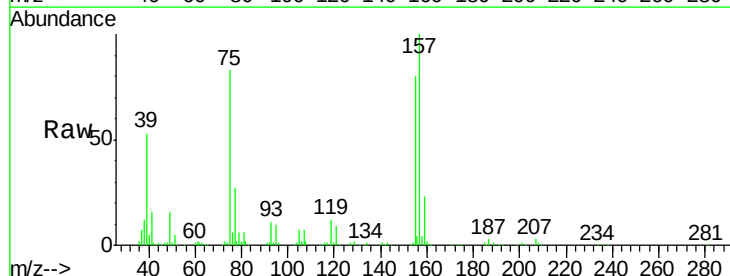
Manual Integrations
 APPROVED

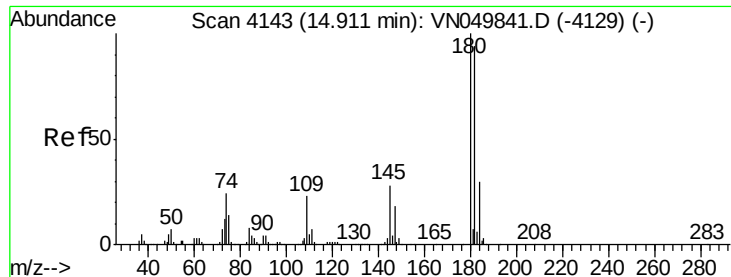
MMDadoda
 7/18/2018 11:59:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.26 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	45.7	137.1
157	118.8	56.9	170.7





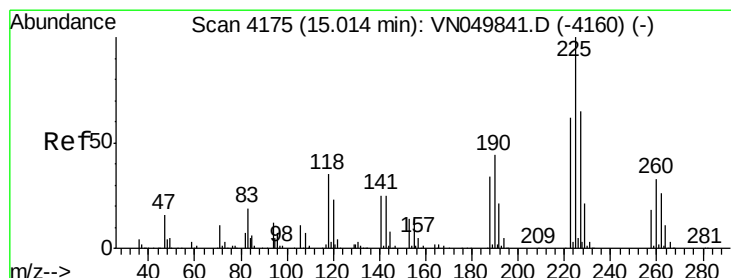
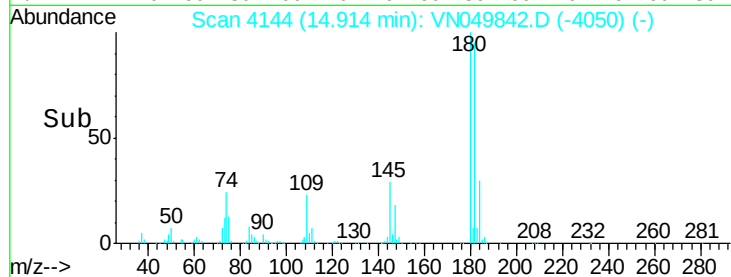
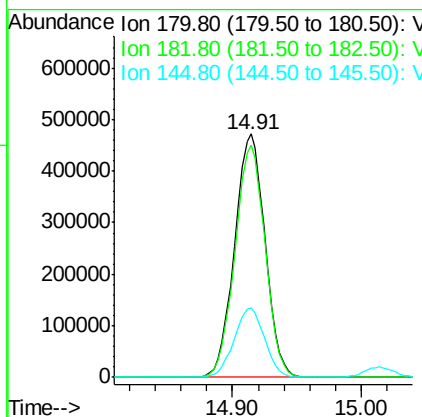
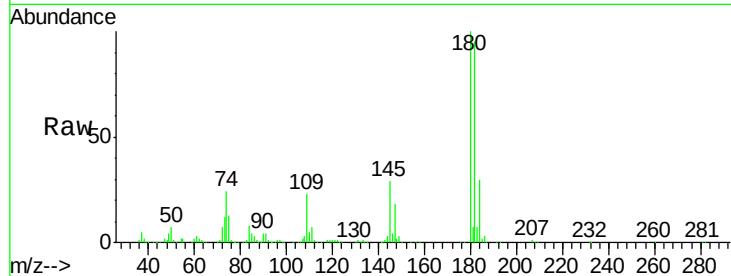
#93
 1,2,4-Trichlorobenzene
 Concen: 80.38 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	771160		
182	94.8	47.3	141.9	
145	28.5	14.4	43.0	

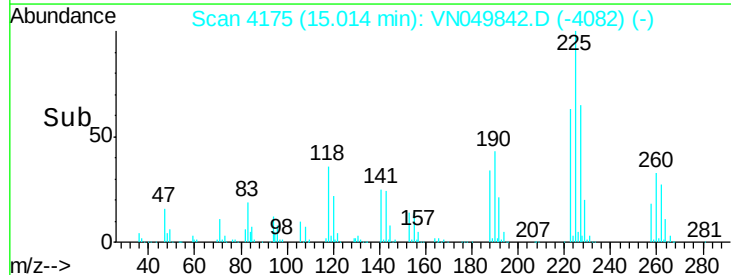
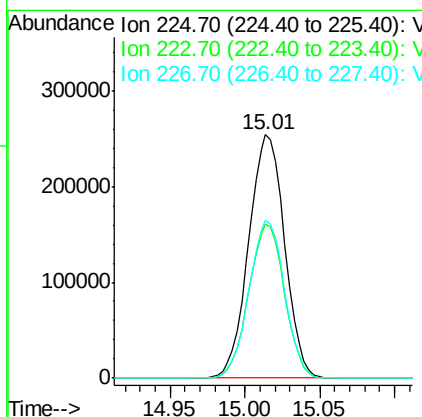
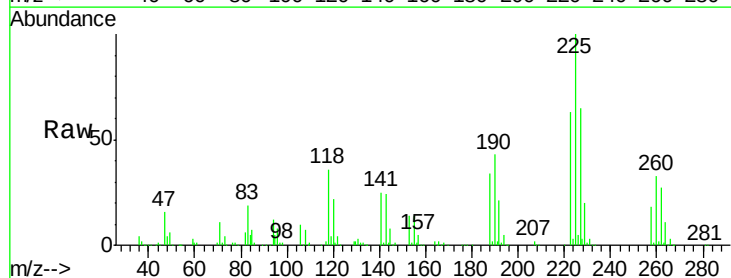
Manual Integrations
 APPROVED

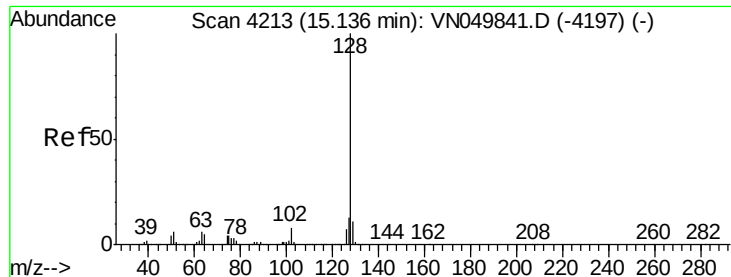
MMDadoda
 7/18/2018 11:59:11 AM



#94
 Hexachlorobutadiene
 Concen: 72.03 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049842.D
 Acq: 17 Jul 2018 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	423989		
223	62.8	30.9	92.7	
227	64.3	31.8	95.4	





#95

Naphthalene

Concen: 83.01 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion:128 Resp: 1983246

Ion Ratio Lower Upper

128 100

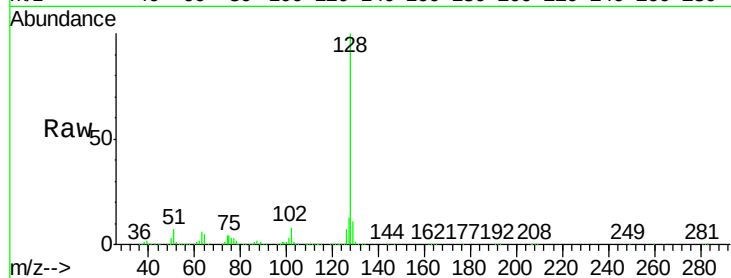
127 12.9 10.4 15.6

129 10.8 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

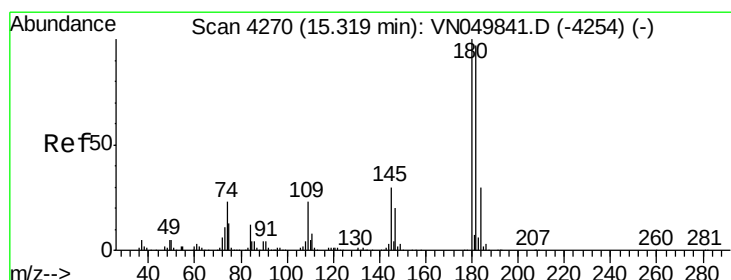
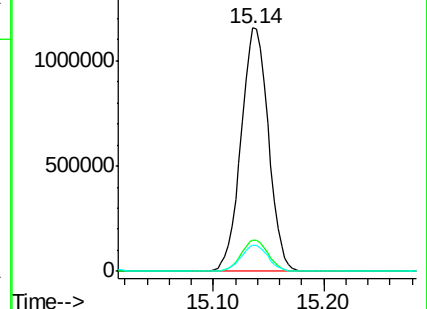
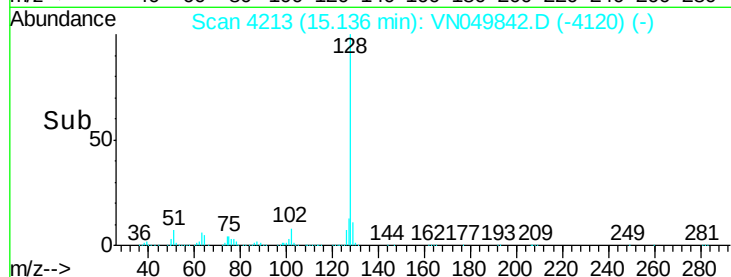
7/18/2018 11:59:11 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 76.23 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049842.D

Acq: 17 Jul 2018 12:21

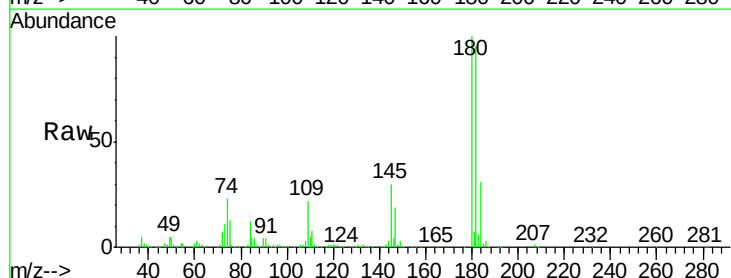
Tgt Ion:180 Resp: 769499

Ion Ratio Lower Upper

180 100

182 95.6 47.4 142.2

145 30.1 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

