

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
 Data File : VN057249.D
 Acq On : 13 Aug 2019 16:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/22/2019 9:48:51 AM

Quant Time: Aug 22 09:34:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 22 09:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1204848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1739067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1553742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	667608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	610400	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.58	113	556875	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.09	98	2110835	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.40	95	718649	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	498521	49.083	ug/l	100
3) Chloromethane	2.05	50	546646	47.474	ug/l	97
4) Vinyl Chloride	2.18	62	558962	49.975	ug/l	98
5) Bromomethane	2.55	94	425291	52.876	ug/l	99
6) Chloroethane	2.69	64	373094	50.731	ug/l	99
7) Trichlorofluoromethane	3.02	101	878650	49.929	ug/l	98
8) Diethyl Ether	3.40	74	330753	51.868	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	531112	50.262	ug/l	99
10) Methyl Iodide	3.95	142	841903	51.287	ug/l	99
11) Tert butyl alcohol	4.76	59	421152	257.305	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	526835	50.249	ug/l	98
13) Acrolein	3.60	56	283311	241.934	ug/l	99
14) Allyl chloride	4.31	41	831223	52.263	ug/l	99
15) Acrylonitrile	4.97	53	1206589	261.661	ug/l	99
16) Acetone	3.81	43	1091696	261.988	ug/l	99
17) Carbon Disulfide	4.05	76	1438177	50.184	ug/l	97
18) Methyl Acetate	4.31	43	556326	51.832	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	1623637	51.862	ug/l	100
20) Methylene Chloride	4.54	84	588905	48.381	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	570864	51.077	ug/l	96
22) Diisopropyl ether	5.94	45	1617139	51.713	ug/l	99
23) Vinyl Acetate	5.88	43	6539253	263.891	ug/l	99
24) 1,1-Dichloroethane	5.84	63	1005137	51.018	ug/l	100
25) 2-Butanone	6.82	43	1570984	265.172	ug/l	99
26) 2,2-Dichloropropane	6.82	77	846587	52.375	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	659875	51.200	ug/l	99
28) Bromochloromethane	7.18	49	432937	49.798	ug/l	99
29) Tetrahydrofuran	7.20	42	977686	258.150	ug/l	100
30) Chloroform	7.36	83	1021052	49.613	ug/l	98
31) Cyclohexane	7.65	56	862445	50.087	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	901654	51.795	ug/l	99
36) 1,1-Dichloropropene	7.79	75	792650	52.133	ug/l	99
37) Ethyl Acetate	6.91	43	624196	51.077	ug/l	98
38) Carbon Tetrachloride	7.77	117	810557	50.185	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	935675	51.977	ug/l	98
40) Benzene	8.03	78	2342845	50.721	ug/l	98
41) Methacrylonitrile	7.16	41	266859	52.138	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	744750	50.315	ug/l	99
43) Isopropyl Acetate	8.15	43	1060991	52.717	ug/l	100
44) Trichloroethene	8.83	130	684429	51.117	ug/l	97
45) 1,2-Dichloropropane	9.11	63	609636	52.097	ug/l	99
46) Dibromomethane	9.20	93	392857	49.792	ug/l	98
47) Bromodichloromethane	9.40	83	796352	52.352	ug/l	100
48) Methyl methacrylate	9.19	41	503660	54.084	ug/l	99
49) 1,4-Dioxane	9.19	88	204469	974.282	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	3023004	255.792	ug/l	99
52) Toluene	10.15	92	1484164	51.720	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	866942	53.282	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	982041	53.553	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	567646	50.608	ug/l	99
56) Ethyl methacrylate	10.43	69	830335	52.764	ug/l	99
57) 1,3-Dichloropropane	10.70	76	945576	51.096	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1183610	256.695	ug/l	100
59) 2-Hexanone	10.75	43	2197622	262.082	ug/l	100
60) Dibromochloromethane	10.90	129	655523	52.115	ug/l	99
61) 1,2-Dibromoethane	11.00	107	603009	51.784	ug/l	100
64) Tetrachloroethene	10.63	164	674392	49.140	ug/l	99
65) Chlorobenzene	11.43	112	1624698	51.101	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	623468	50.780	ug/l	99
67) Ethyl Benzene	11.51	91	2845953	52.433	ug/l	99
68) m/p-Xylenes	11.62	106	2159443	106.632	ug/l	100
69) o-Xylene	11.95	106	1036298	52.263	ug/l	100
70) Styrene	11.96	104	1738870	56.642	ug/l	99
71) Bromoform	12.13	173	501492	53.305	ug/l #	100
73) Isopropylbenzene	12.25	105	2817171	54.929	ug/l	99
74) N-amyl acetate	12.07	43	840863	53.661	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	759636	54.541	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	570391m	48.689	ug/l	
77) Bromobenzene	12.53	156	743767	53.679	ug/l	100
78) n-propylbenzene	12.59	91	3039759	54.283	ug/l	100
79) 2-Chlorotoluene	12.67	91	1836809	54.508	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2375553	54.567	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	242637	48.817	ug/l	98
82) 4-Chlorotoluene	12.77	91	1786577	49.068	ug/l	99
83) tert-Butylbenzene	12.99	119	2108015	54.786	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2264780	48.174	ug/l	99
85) sec-Butylbenzene	13.17	105	2655698	54.091	ug/l	100
86) p-Isopropyltoluene	13.29	119	2358001	48.032	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1186971	51.322	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1120929	49.830	ug/l	99
89) n-Butylbenzene	13.62	91	1738175	50.478	ug/l	99
90) Hexachloroethane	13.88	117	427648	52.350	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1169889	51.881	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	120138	53.872	ug/l	100

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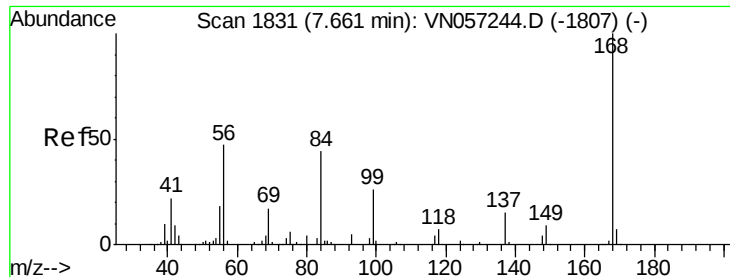
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	518447	58.412	ug/l	100
94) Hexachlorobutadiene	15.01	225	489340	57.525	ug/l	98
95) Naphthalene	15.13	128	892186	60.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	493037	61.401	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 1204848

Ion Ratio Lower Upper

168 100

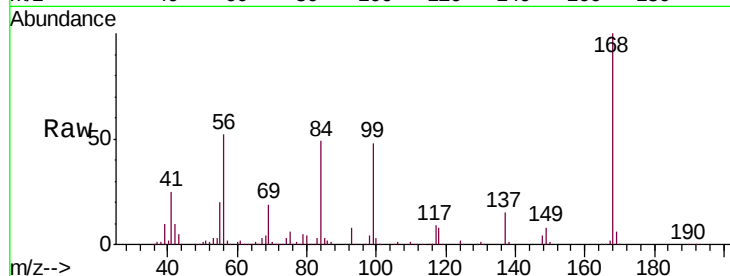
99 47.7 38.6 58.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN057244.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN057244.D (-1807) (-)

7.66

500000

400000

300000

200000

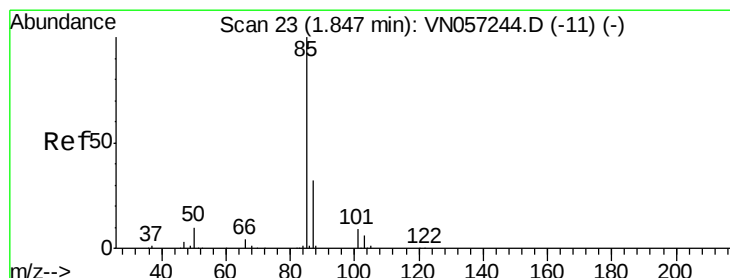
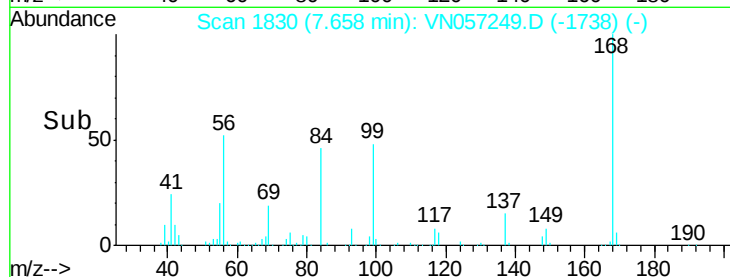
100000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.083 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057249.D

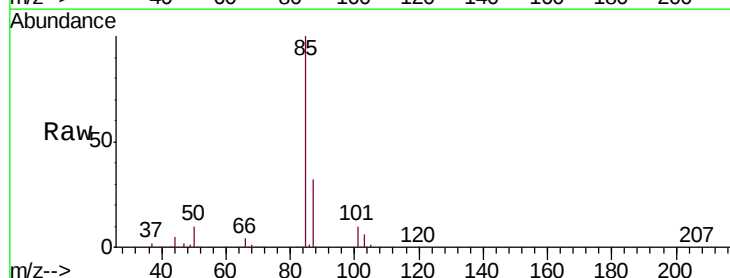
Acq: 13 Aug 2019 16:10

Tgt Ion: 85 Resp: 498521

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN057244.D (-11) (-)

Ion 86.90 (86.60 to 87.60): VN057244.D (-11) (-)

1.85

300000

200000

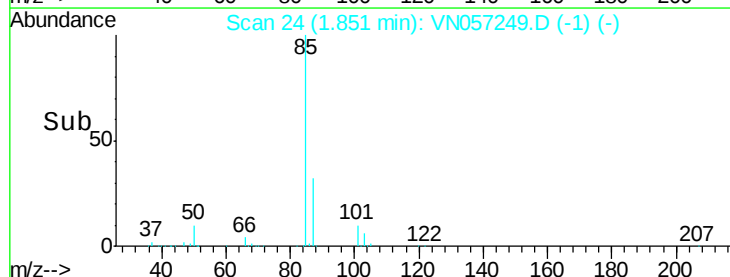
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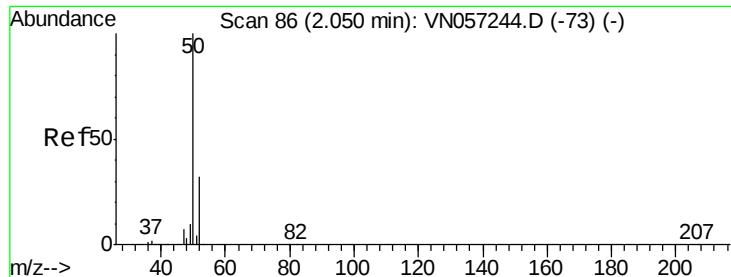
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 47.474 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 546646

Ion Ratio Lower Upper

50 100

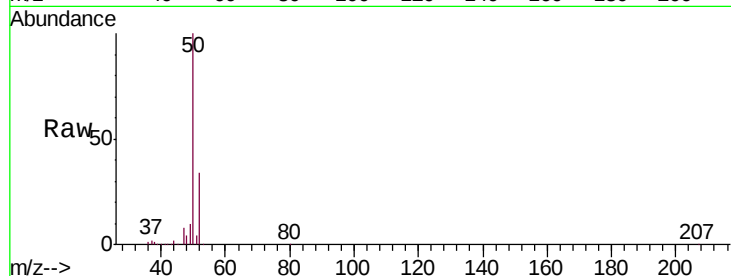
52 33.6 25.6 38.4

Manual Integrations

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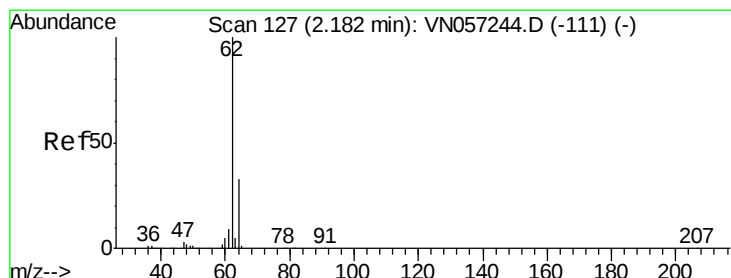
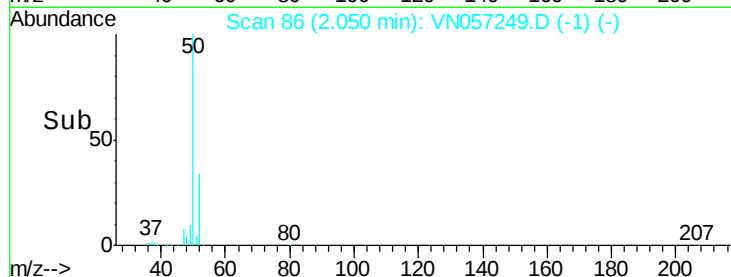
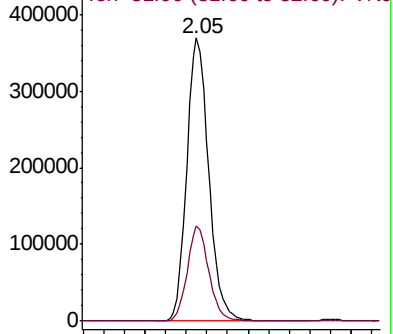
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 49.975 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057249.D

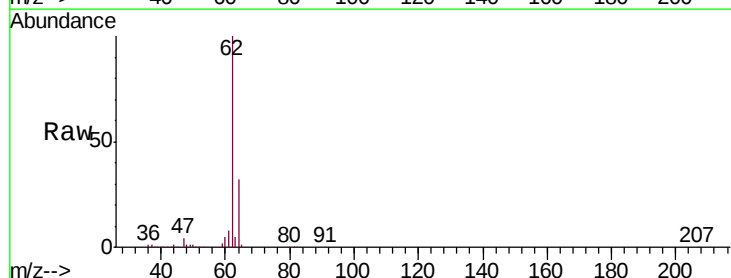
Acq: 13 Aug 2019 16:10

Tgt Ion: 62 Resp: 558962

Ion Ratio Lower Upper

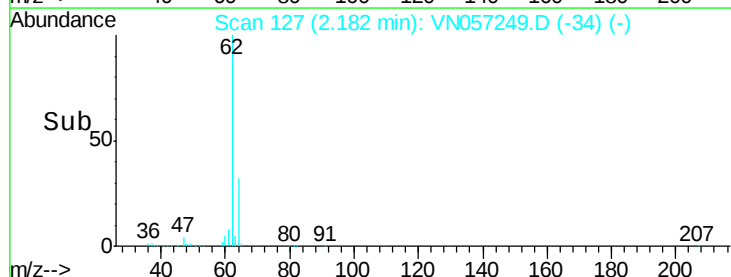
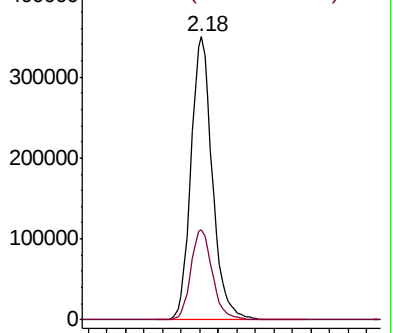
62 100

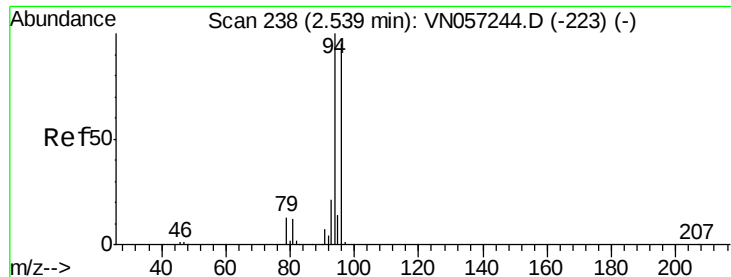
64 31.8 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 52.876 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 425291

Ion Ratio Lower Upper

94 100

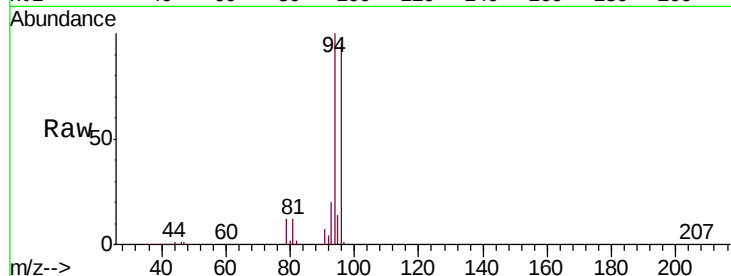
96 95.4 75.7 113.5

Manual Integrations

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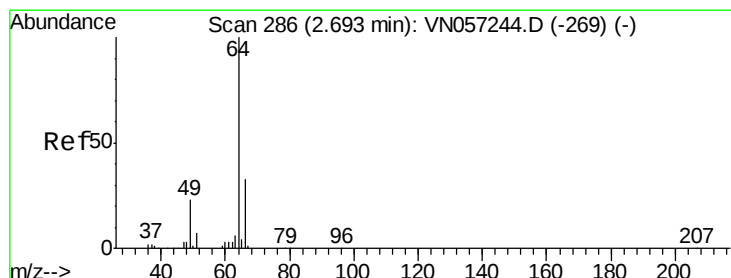
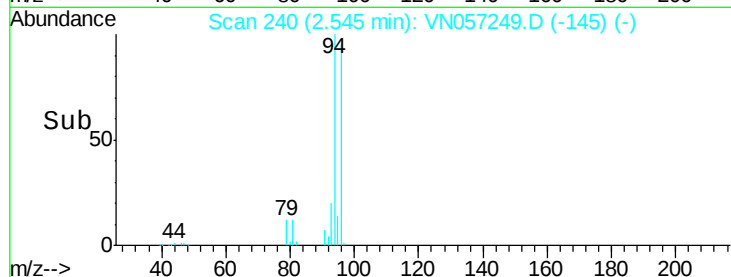
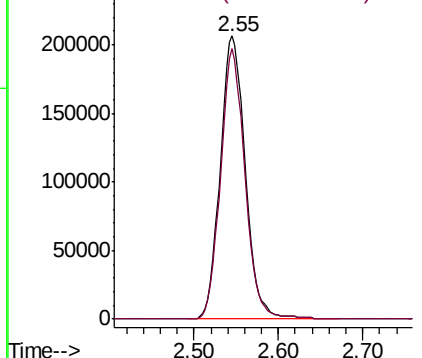
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.731 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN057249.D

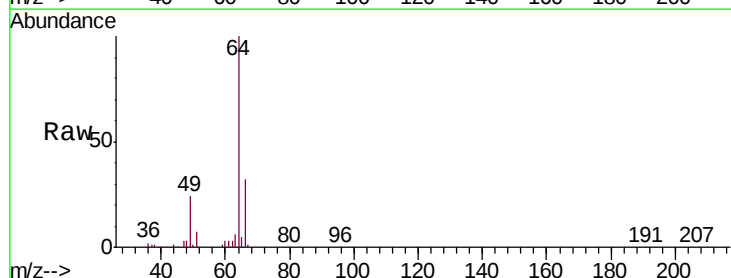
Acq: 13 Aug 2019 16:10

Tgt Ion: 64 Resp: 373094

Ion Ratio Lower Upper

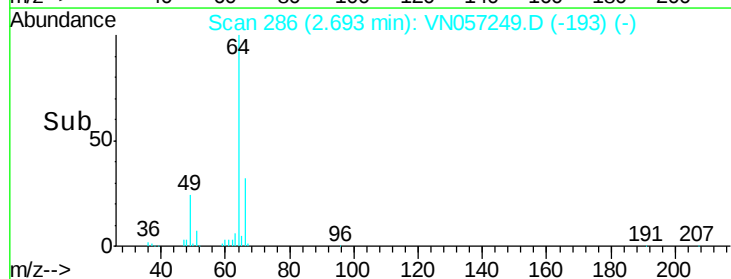
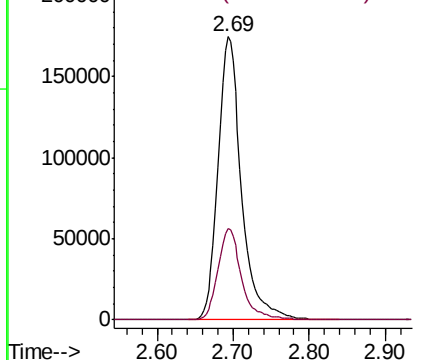
64 100

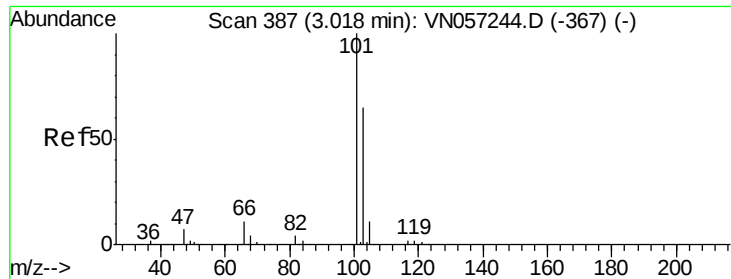
66 32.3 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

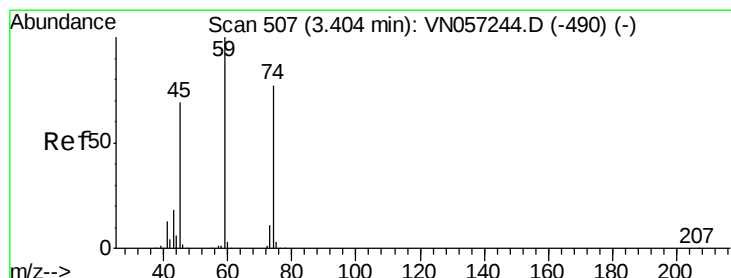
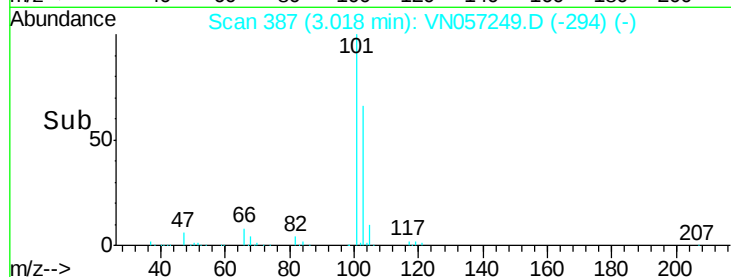
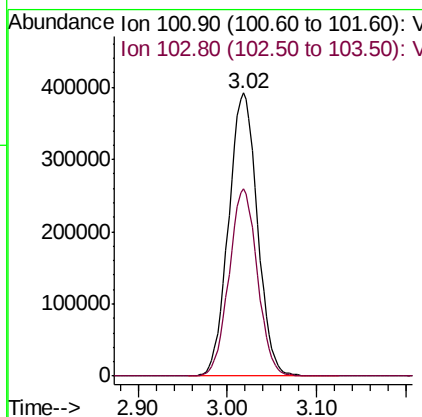
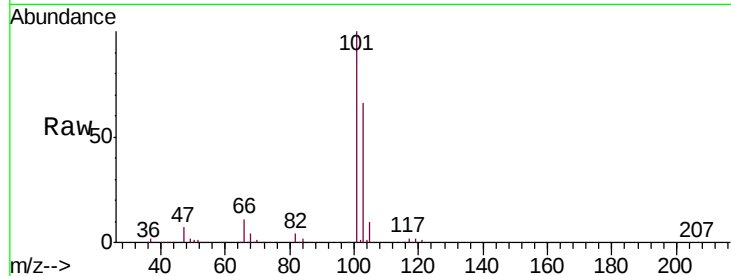
Trichlorofluoromethane
 Concen: 49.929 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.8	77.6

Manual Integrations
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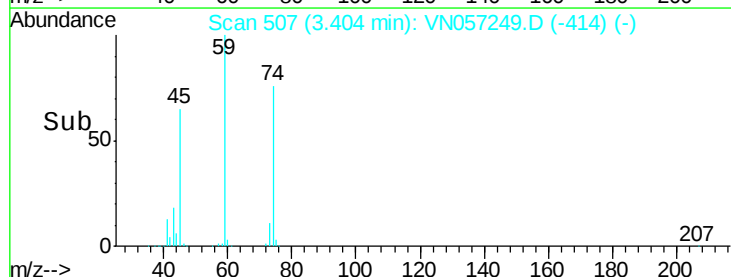
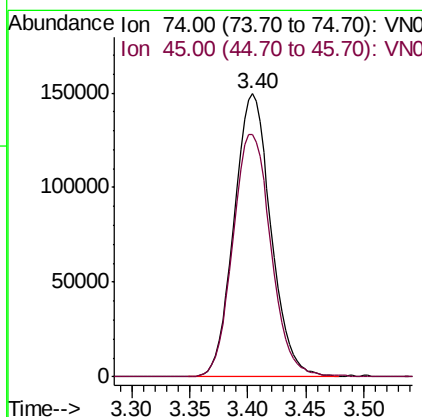
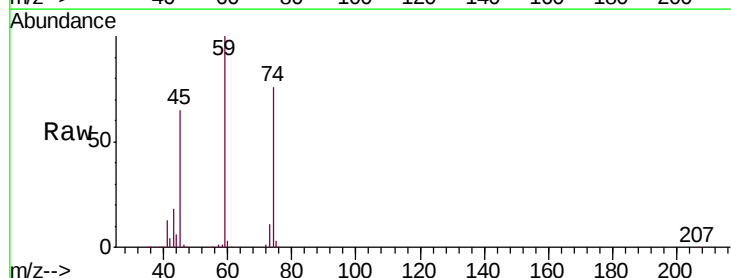
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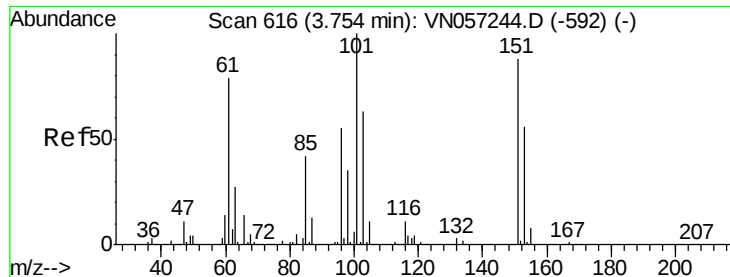


#8

Diethyl Ether
 Concen: 51.868 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.0	45.1	135.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.262 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

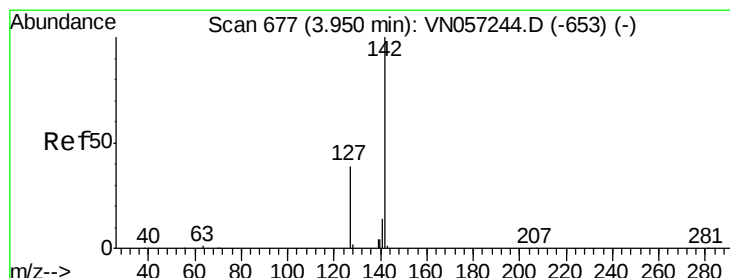
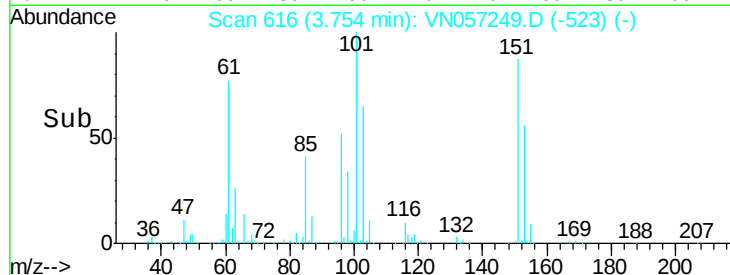
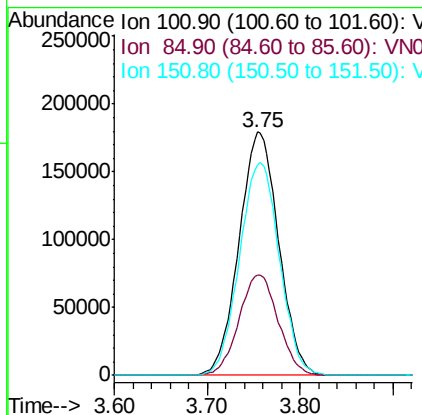
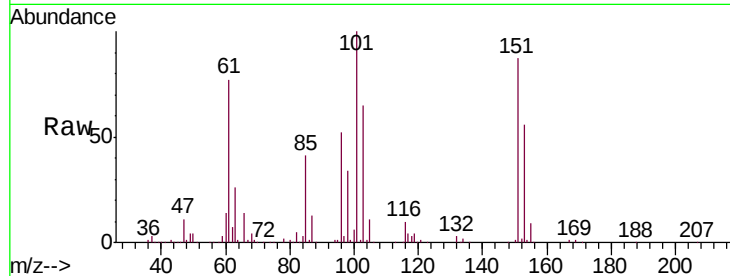
ClientSampleId :

VSTDCCC050

Tgt	Ion	101	Resp:	531112
Ion	Ratio	Lower	Upper	
101	100			
85	41.1	32.7	49.1	
151	88.4	70.1	105.1	

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#10

Methyl Iodide

Concen: 51.287 ug/l

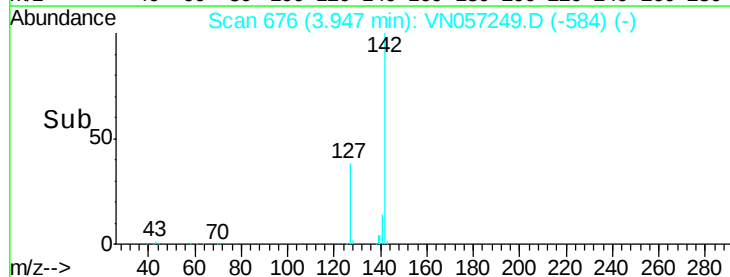
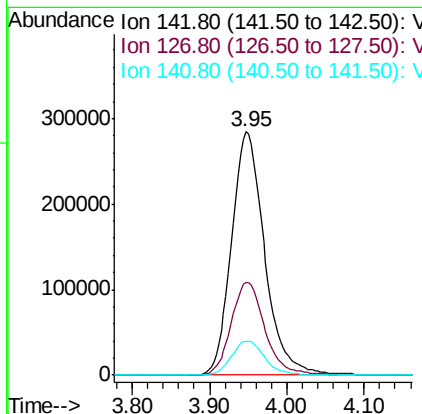
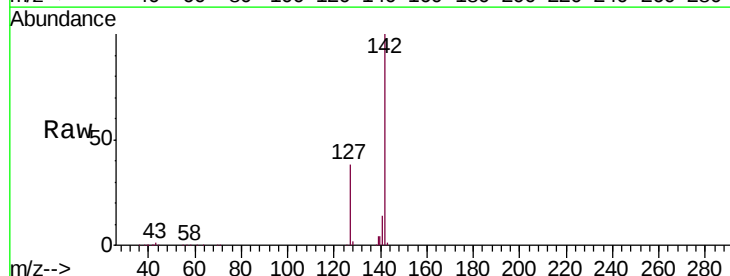
RT: 3.95 min Scan# 676

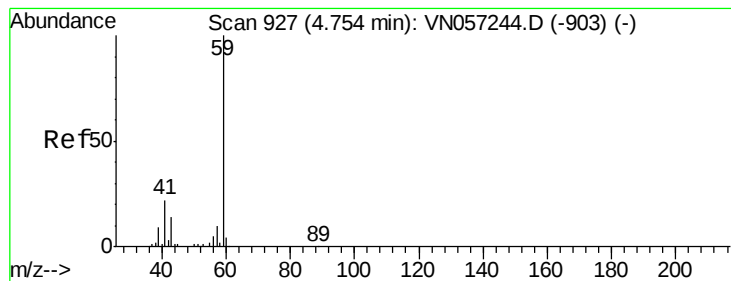
Delta R.T. -0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Tgt	Ion	142	Resp:	841903
Ion	Ratio	Lower	Upper	
142	100			
127	39.0	30.7	46.1	
141	14.0	11.0	16.6	





#11

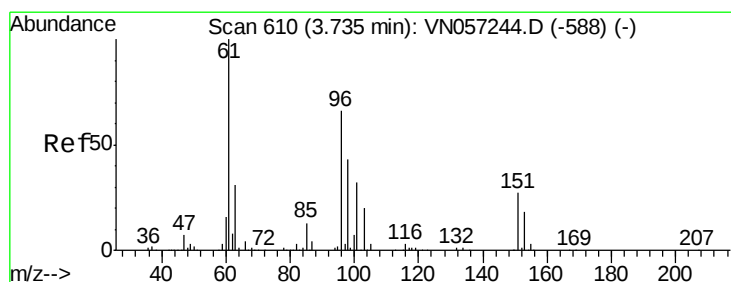
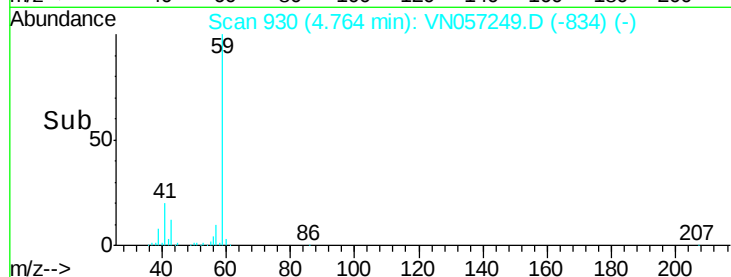
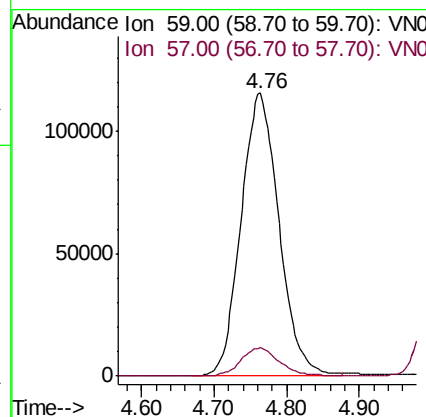
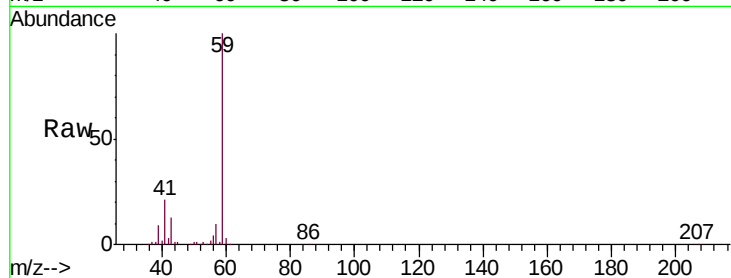
Tert butyl alcohol
Concen: 257.305 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 421152
Ion Ratio Lower Upper
59 100
57 10.1 3.4 5.2#

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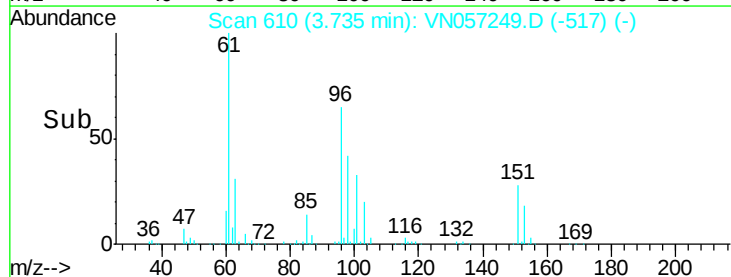
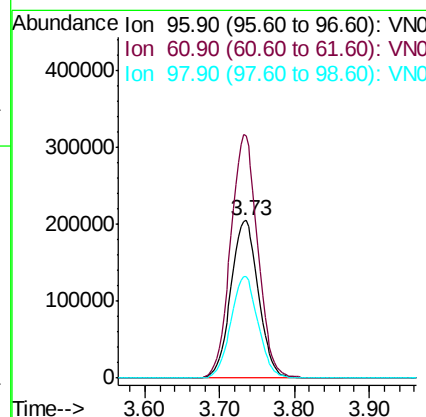
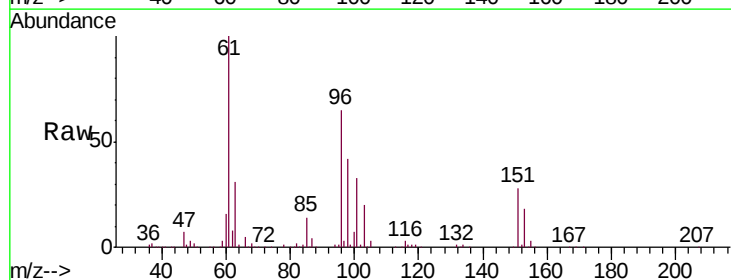
MMDadoda
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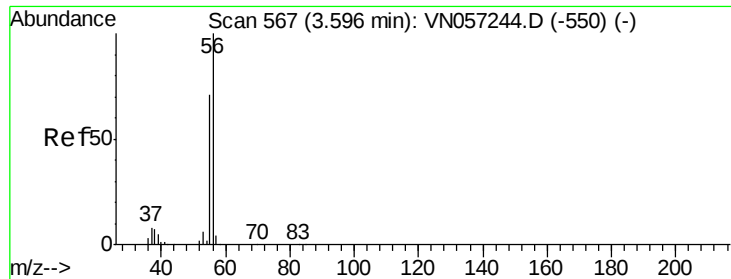


#12

1,1-Dichloroethene
Concen: 50.249 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion: 96 Resp: 526835
Ion Ratio Lower Upper
96 100
61 154.5 121.1 181.7
98 64.9 52.0 78.0





#13

Acrolein

Concen: 241.934 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 283311

Ion Ratio Lower Upper

56 100

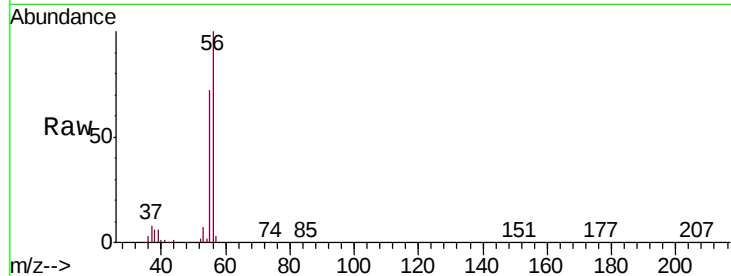
55 71.4 56.6 84.8

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

120000

100000

80000

60000

40000

20000

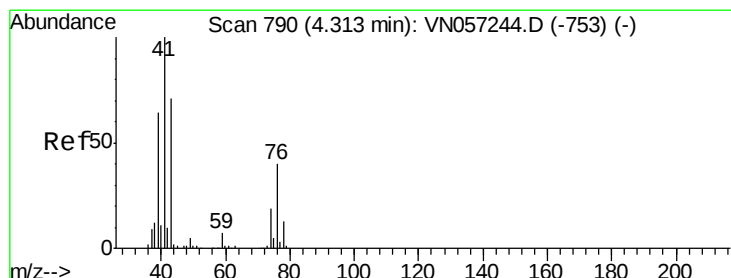
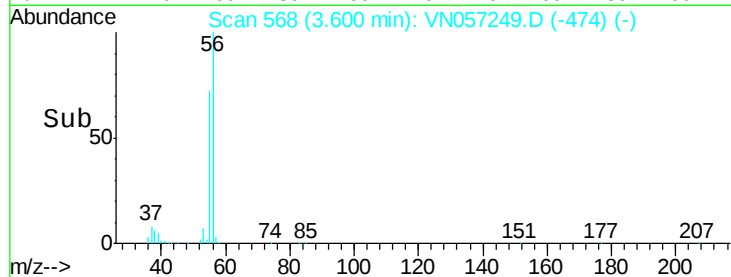
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 52.263 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

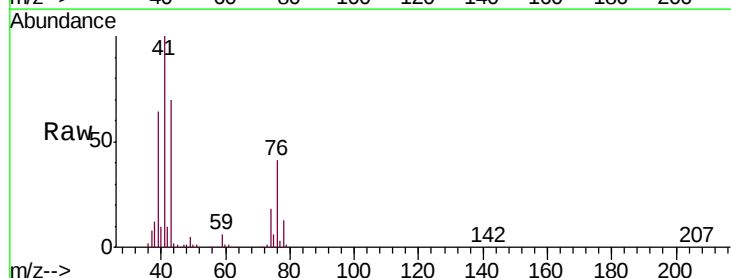
Tgt Ion: 41 Resp: 831223

Ion Ratio Lower Upper

41 100

39 60.0 48.5 72.7

76 37.2 29.8 44.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

300000

200000

100000

0

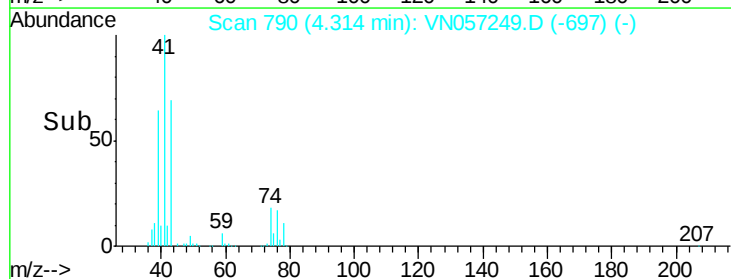
4.10

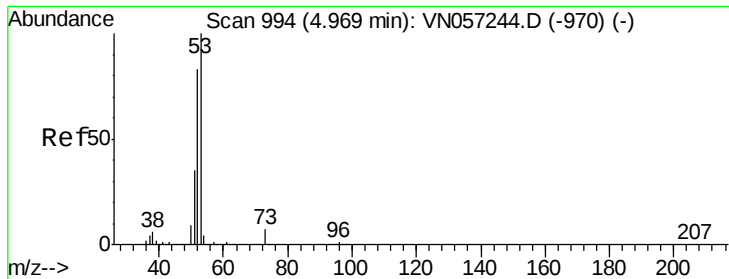
4.20

4.30

4.40

Time-->





#15

Acrylonitrile

Concen: 261.661 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 1206589

Ion Ratio Lower Upper

53 100

52 82.1 65.9 98.9

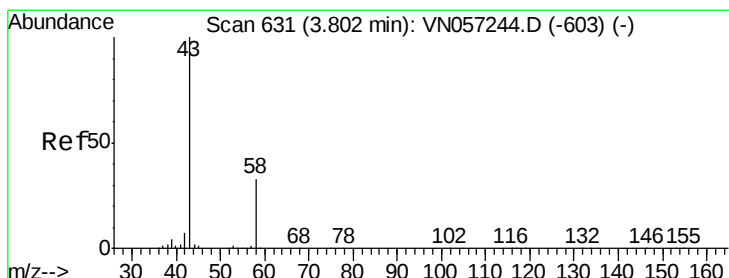
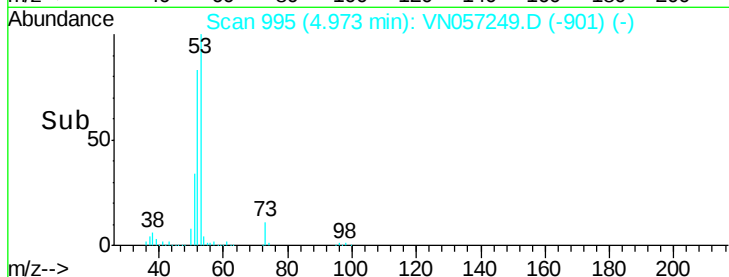
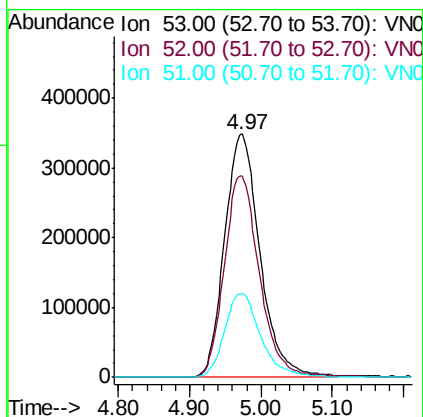
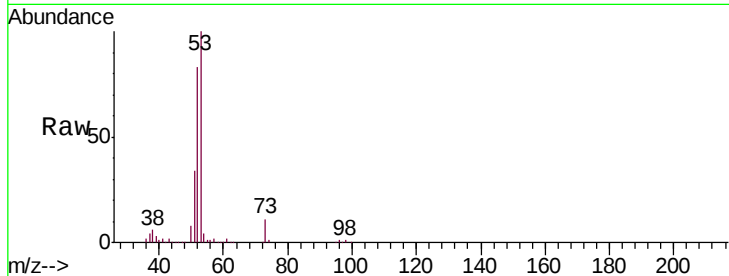
51 35.3 27.8 41.6

Manual Integrations

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#16

Acetone

Concen: 261.988 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057249.D

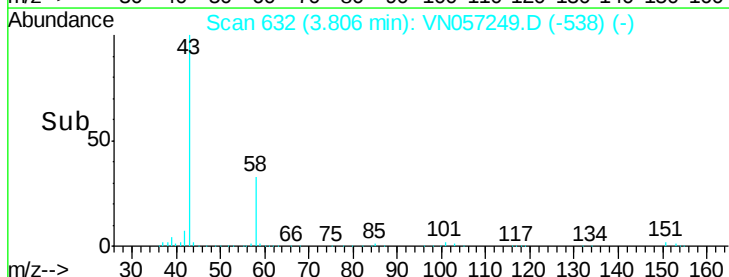
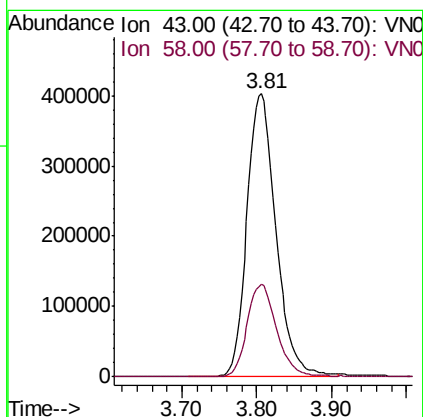
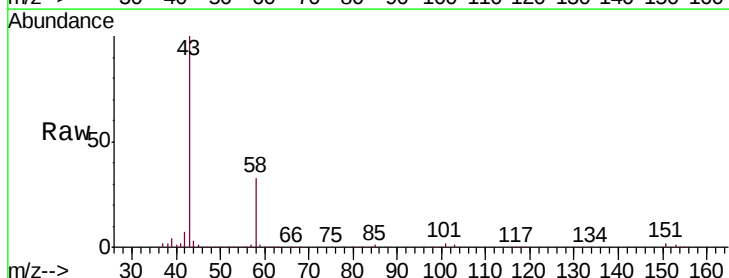
Acq: 13 Aug 2019 16:10

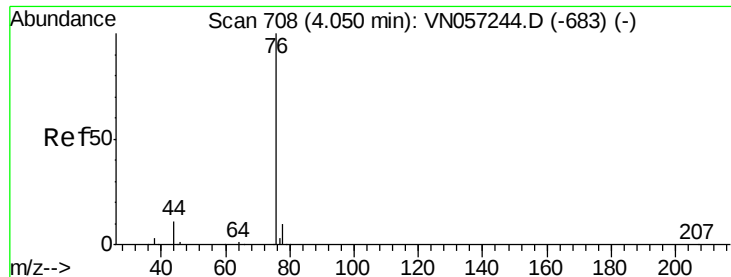
Tgt Ion: 43 Resp: 1091696

Ion Ratio Lower Upper

43 100

58 32.6 26.7 40.1





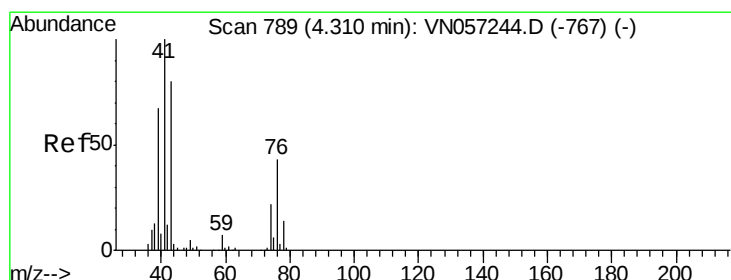
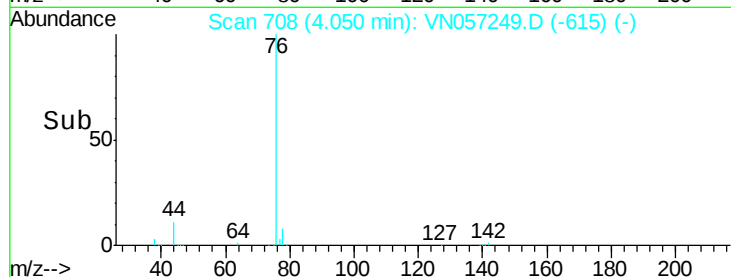
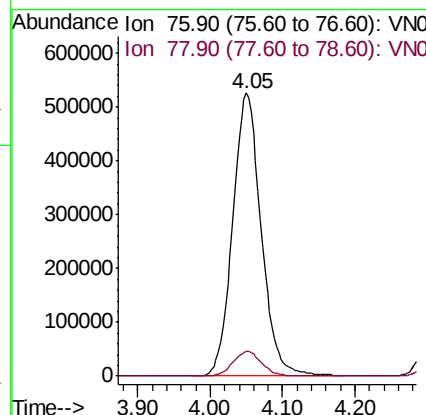
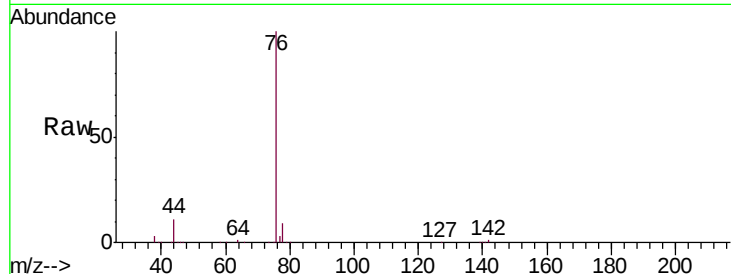
#17
Carbon Disulfide
Concen: 50.184 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1438177
Ion Ratio Lower Upper
76 100
78 8.7 7.7 11.5

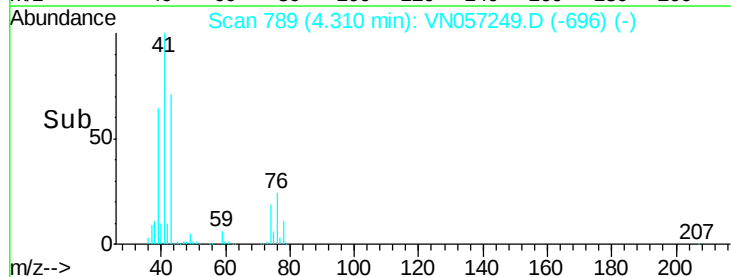
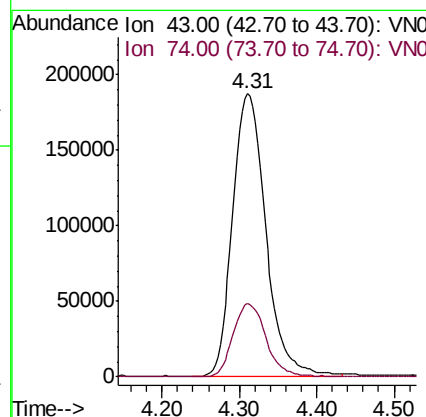
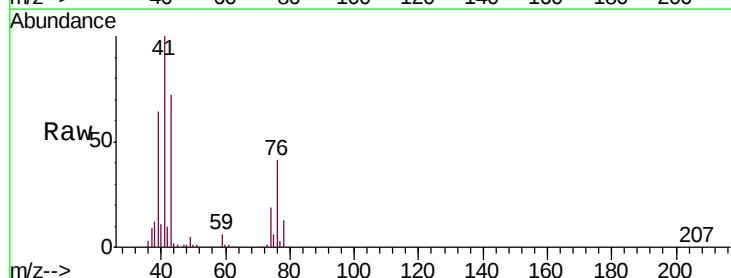
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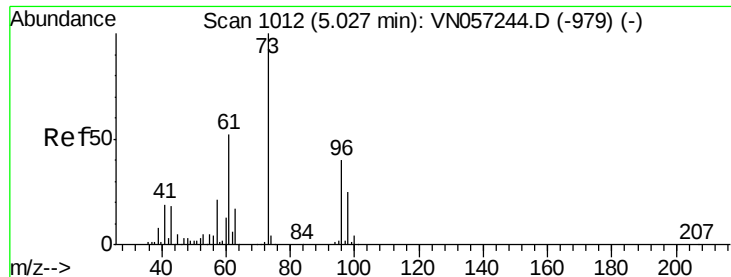
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#18
Methyl Acetate
Concen: 51.832 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion: 43 Resp: 556326
Ion Ratio Lower Upper
43 100
74 25.7 20.6 31.0





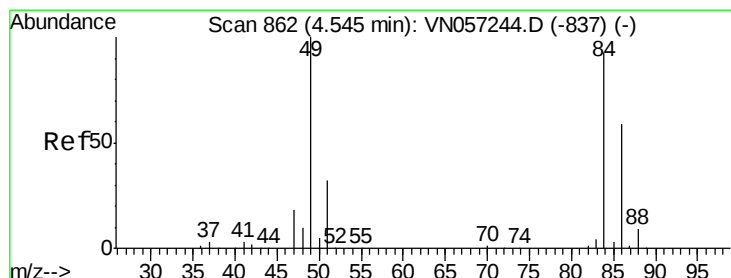
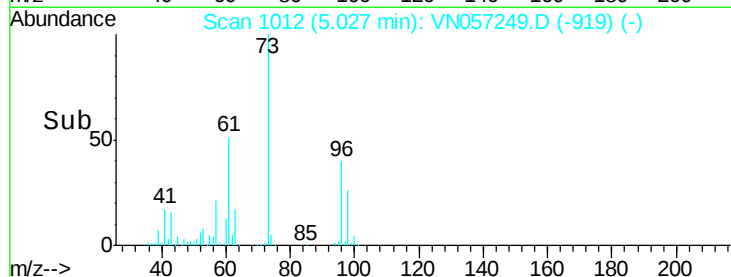
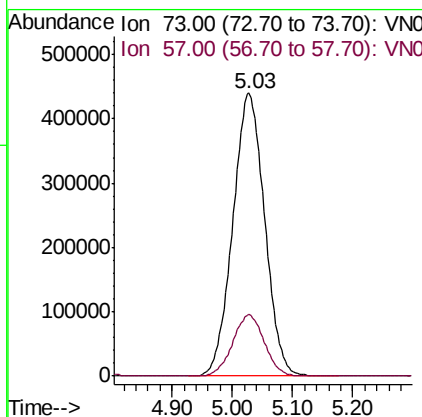
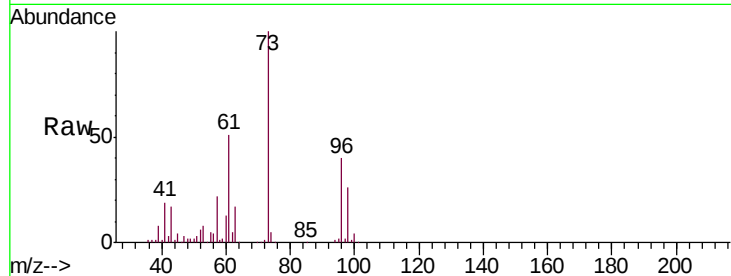
#19
Methyl tert-butyl Ether
Concen: 51.862 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1623637
Ion Ratio Lower Upper
73 100
57 21.6 17.1 25.7

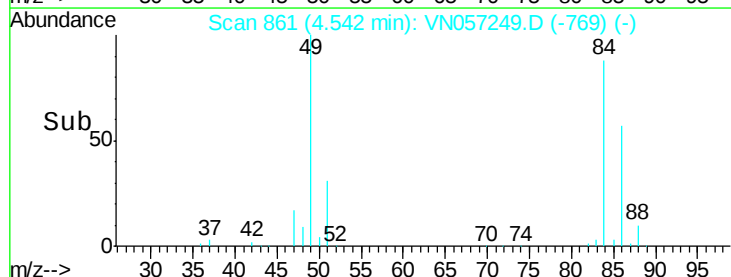
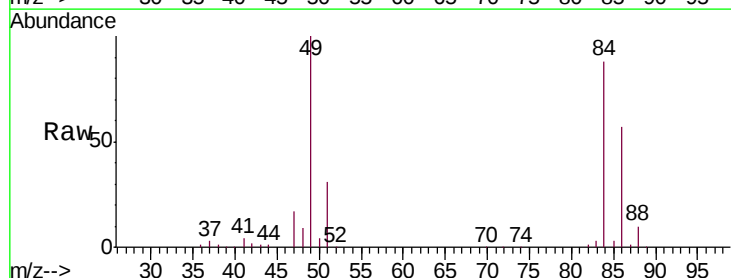
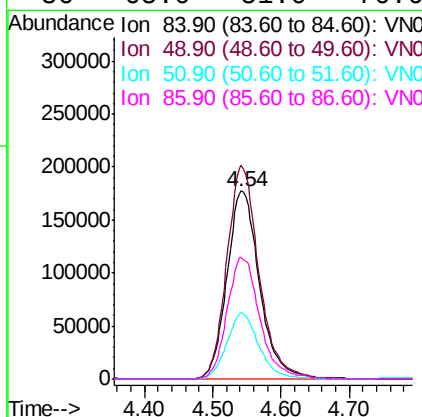
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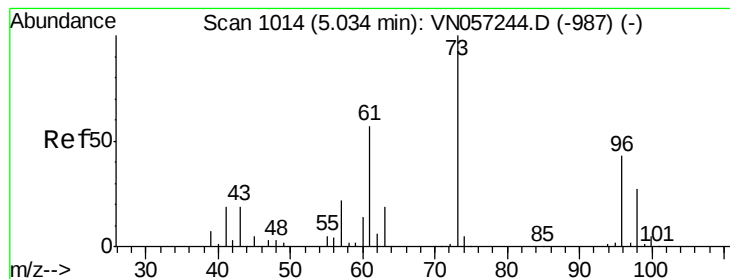
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#20
Methylene Chloride
Concen: 48.381 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion: 84 Resp: 588905
Ion Ratio Lower Upper
84 100
49 113.8 85.9 128.9
51 35.2 27.1 40.7
86 65.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.077 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 570864

Ion Ratio Lower Upper

96 100

61 125.9 104.6 156.8

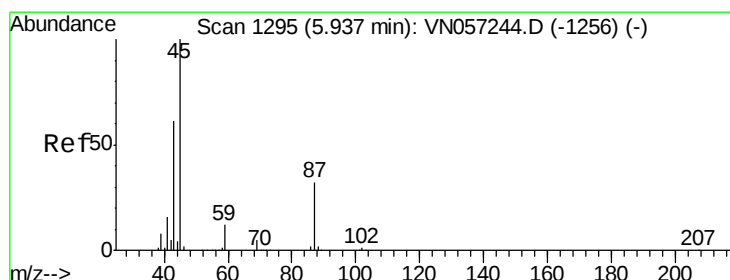
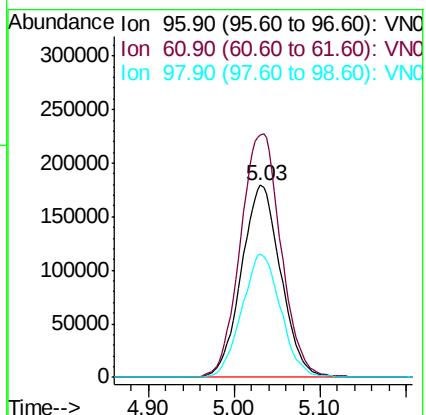
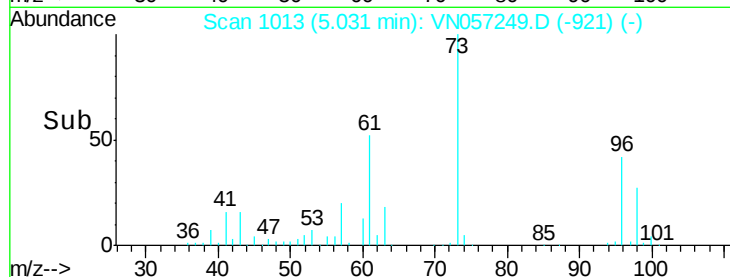
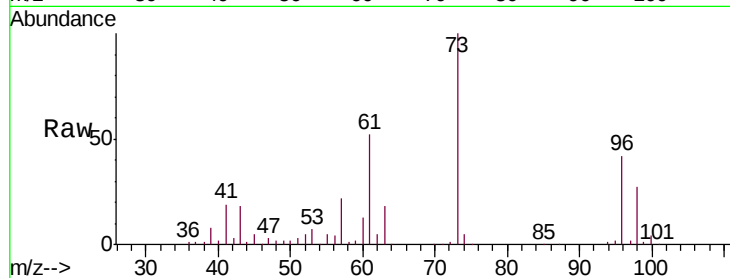
98 64.2 49.7 74.5

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#22

Diisopropyl ether

Concen: 51.713 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Tgt Ion: 45 Resp: 1617139

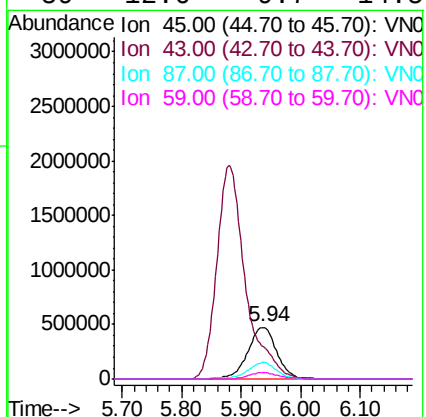
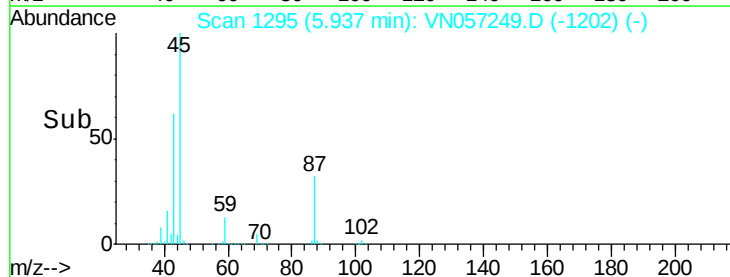
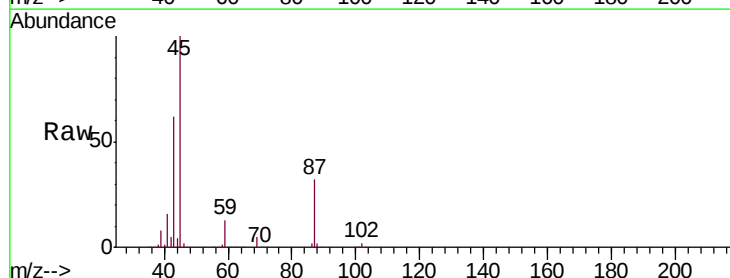
Ion Ratio Lower Upper

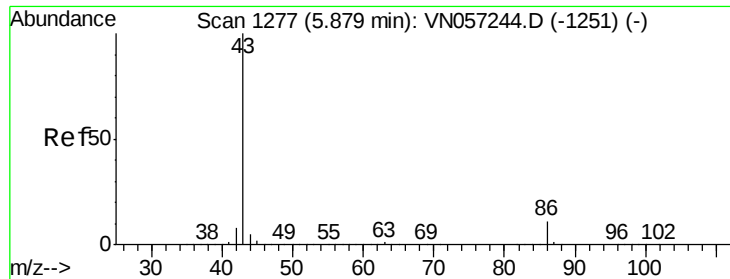
45 100

43 61.5 48.9 73.3

87 31.7 25.5 38.3

59 12.6 9.7 14.5





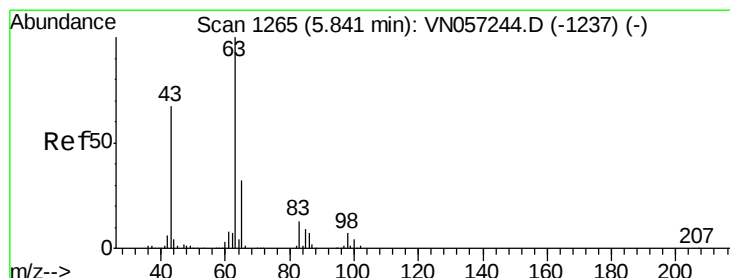
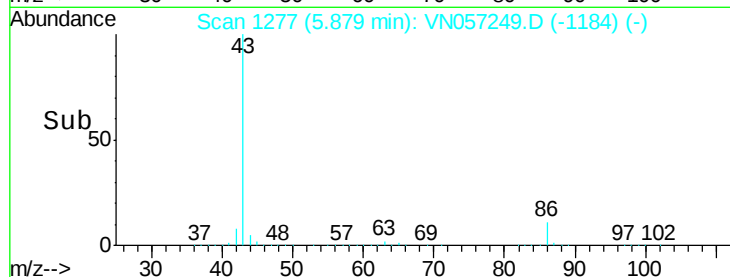
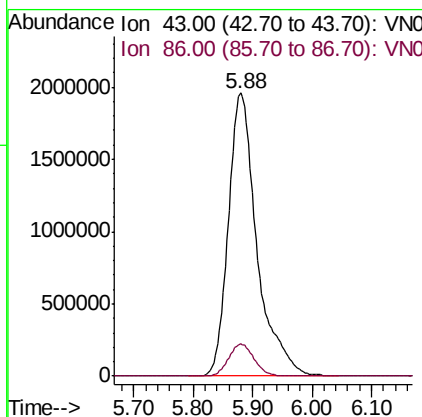
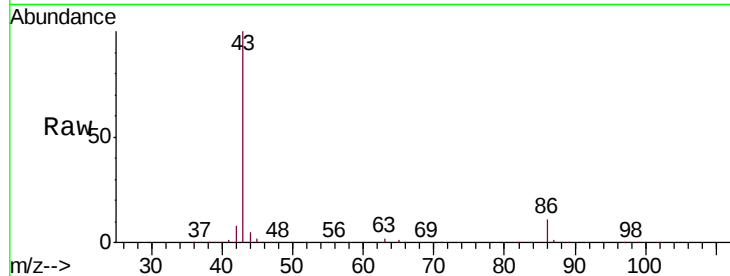
#23
 Vinyl Acetate
 Concen: 263.891 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 6539253
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8

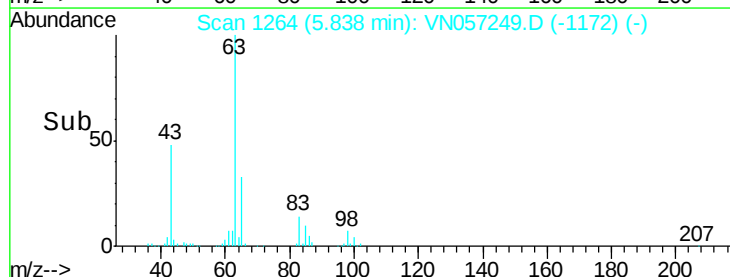
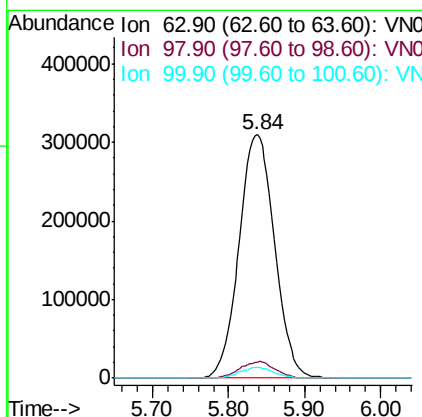
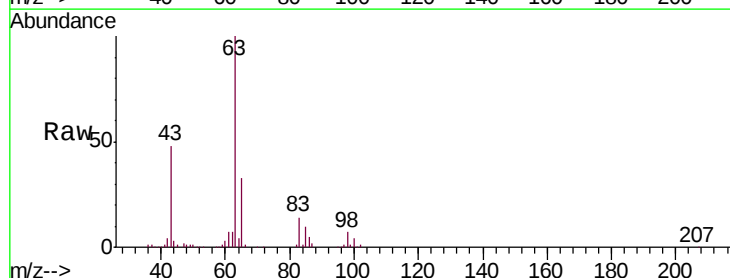
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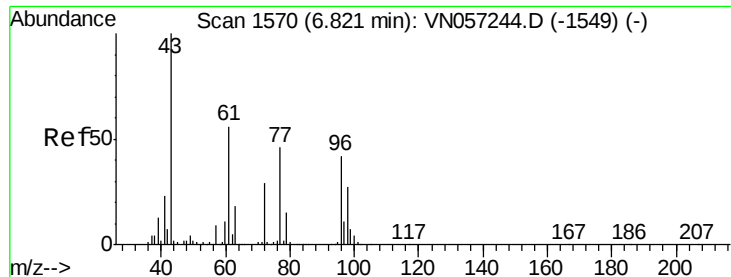
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 51.018 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Tgt Ion: 63 Resp: 1005137
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 4.3 2.1 6.2





#25

2-Butanone

Concen: 265.172 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1570984

Ion Ratio Lower Upper

43 100

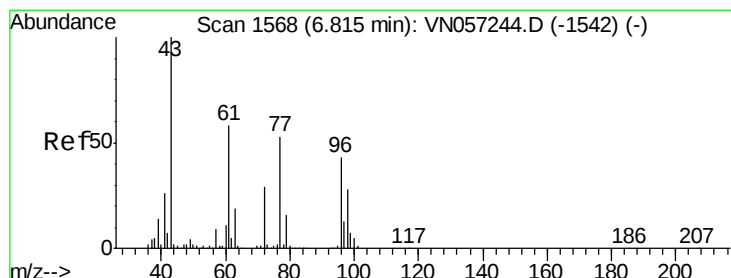
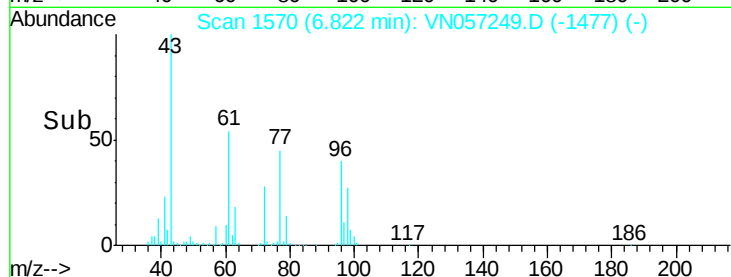
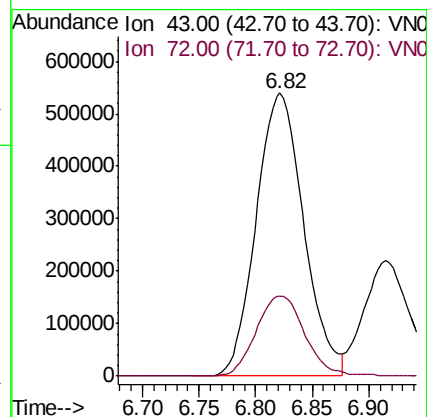
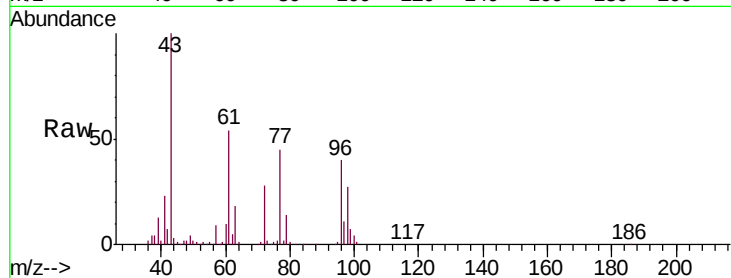
72 28.3 23.1 34.7

Manual Integrations

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8/22/2019 9:48:51 AM



#26

2,2-Dichloropropane

Concen: 52.375 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057249.D

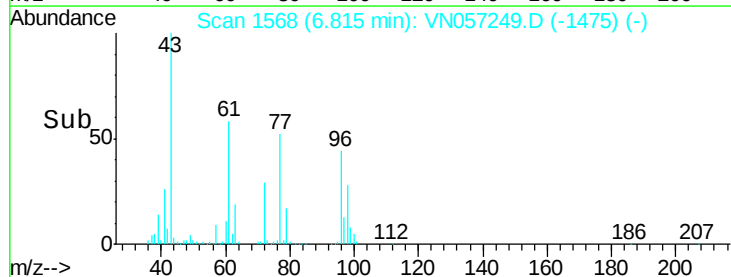
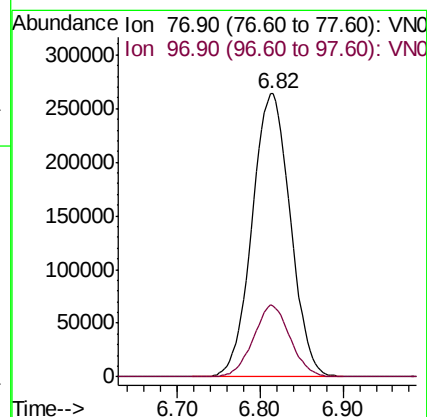
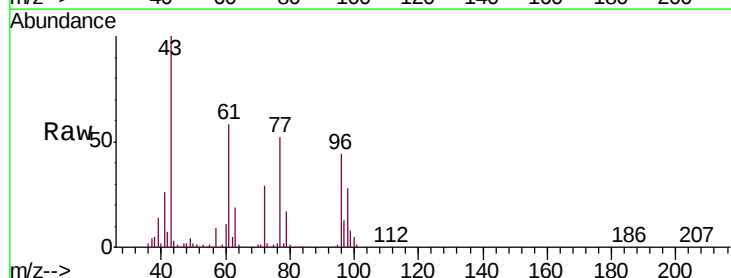
Acq: 13 Aug 2019 16:10

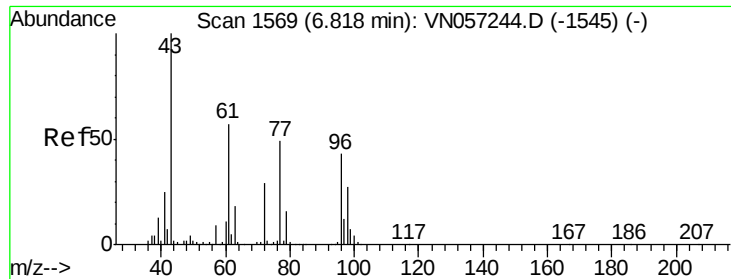
Tgt Ion: 77 Resp: 846587

Ion Ratio Lower Upper

77 100

97 24.5 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 51.200 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

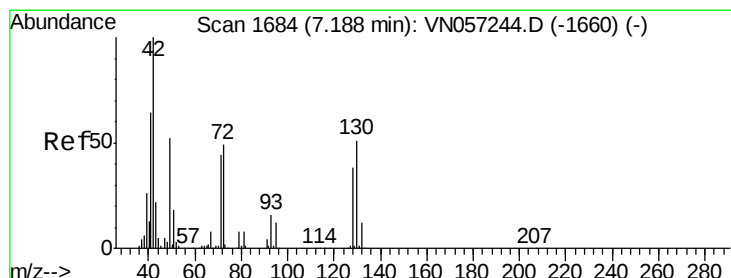
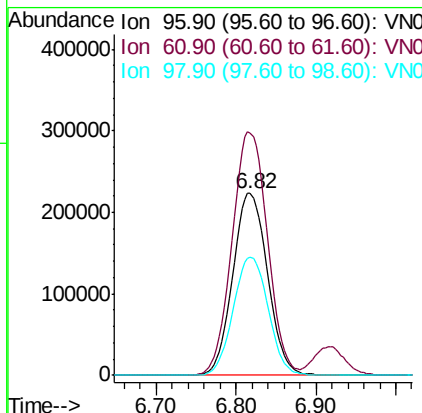
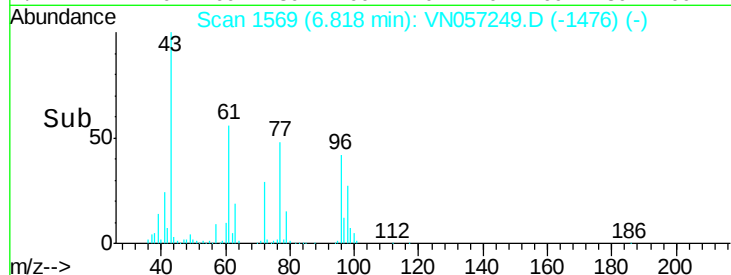
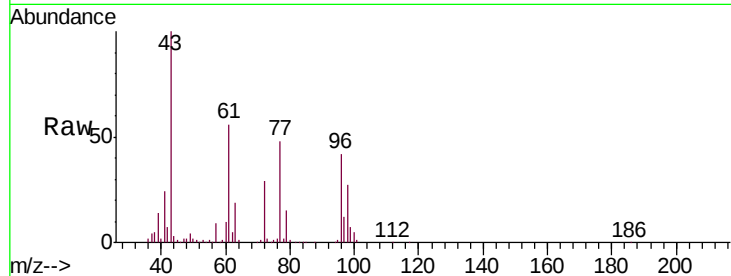
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	659875
Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	271.0
98	65.2	0.0	129.2

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#28

Bromochloromethane

Concen: 49.798 ug/l

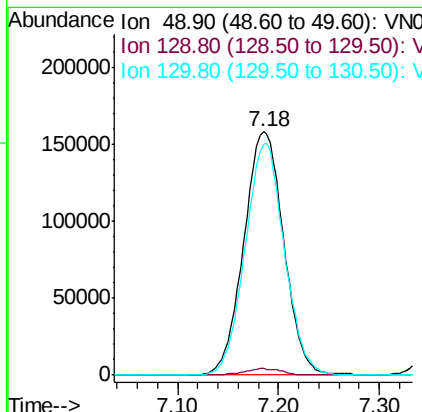
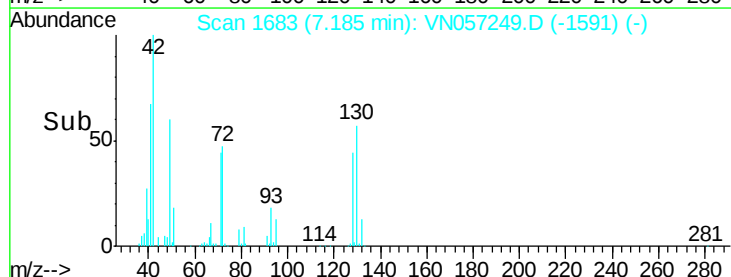
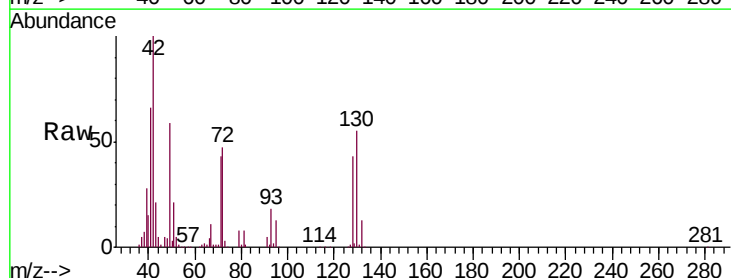
RT: 7.18 min Scan# 1683

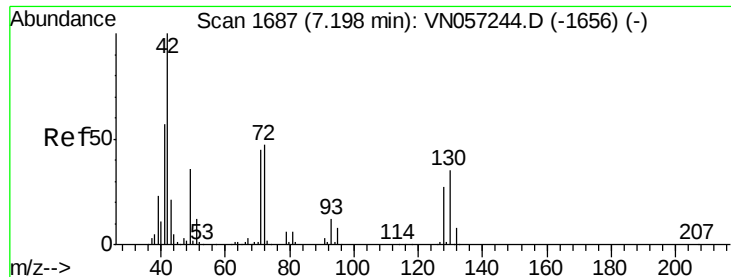
Delta R.T. -0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Tgt Ion:	49	Resp:	432937
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.0
130	93.9	75.6	113.4





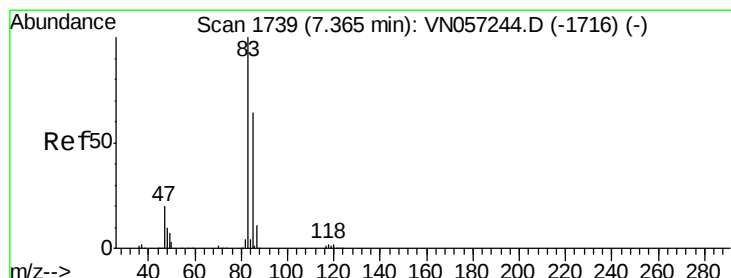
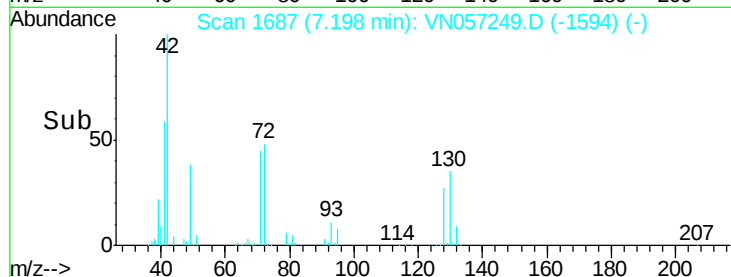
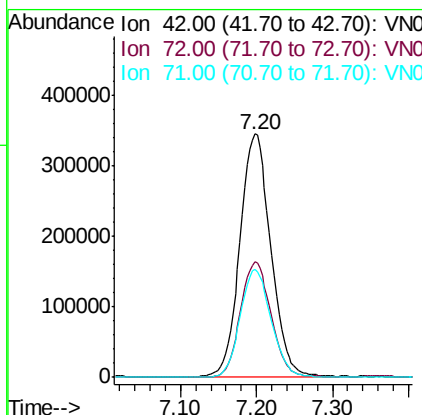
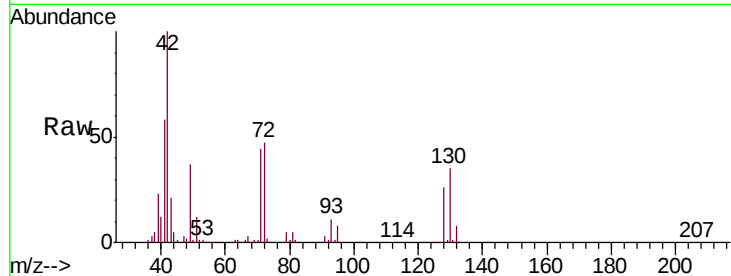
#29
Tetrahydrofuran
Concen: 258.150 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.6	56.4
71	44.4	35.6	53.4

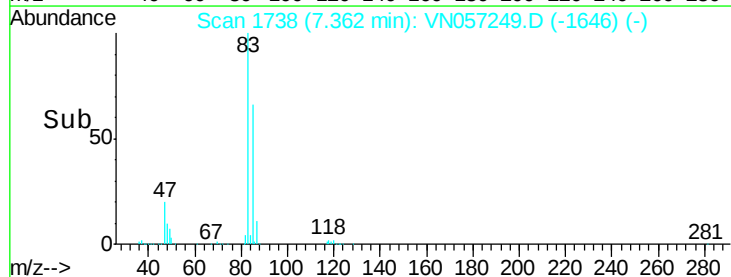
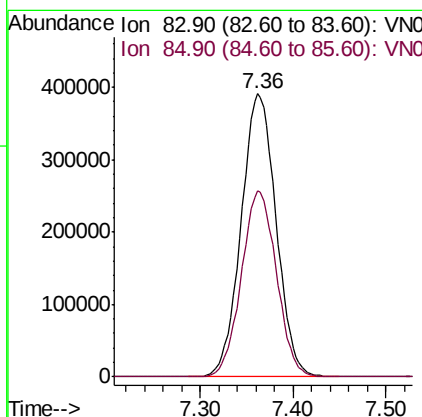
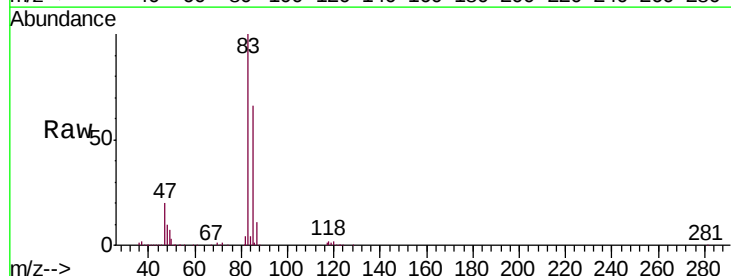
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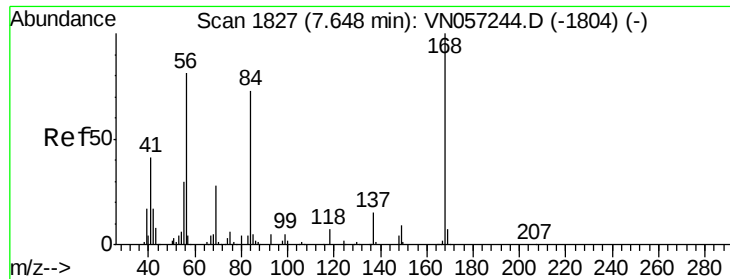
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#30
Chloroform
Concen: 49.613 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.3	76.9





#31

Cyclohexane

Concen: 50.087 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 862445
Ion Ratio Lower Upper

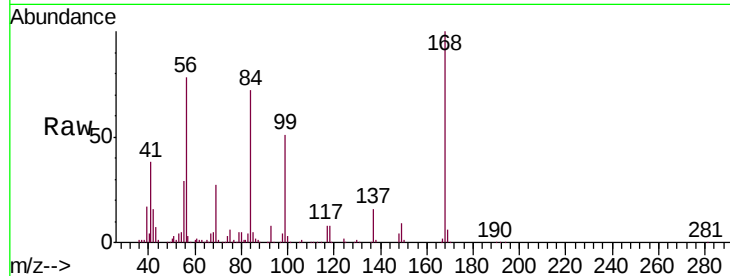
56 100

69 34.4 27.8 41.8

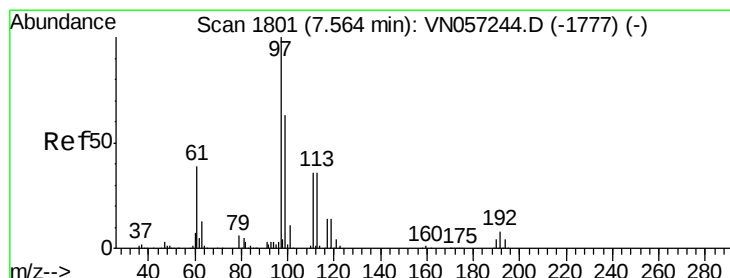
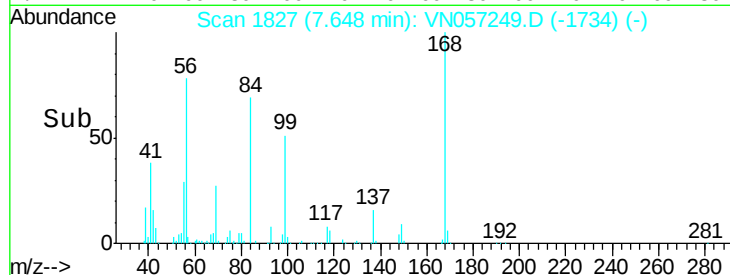
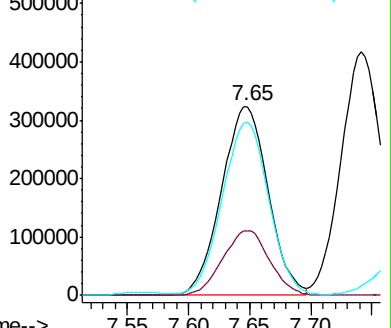
84 90.5 72.0 108.0

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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 51.795 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057249.D

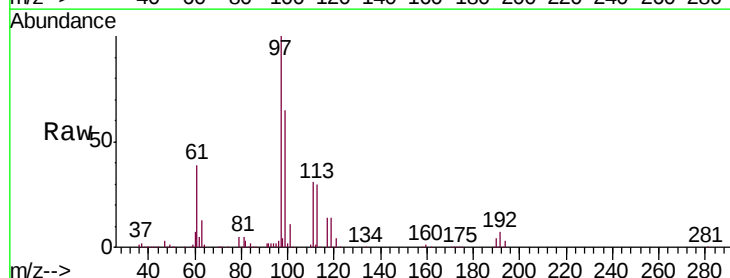
Acq: 13 Aug 2019 16:10

Tgt Ion: 97 Resp: 901654
Ion Ratio Lower Upper

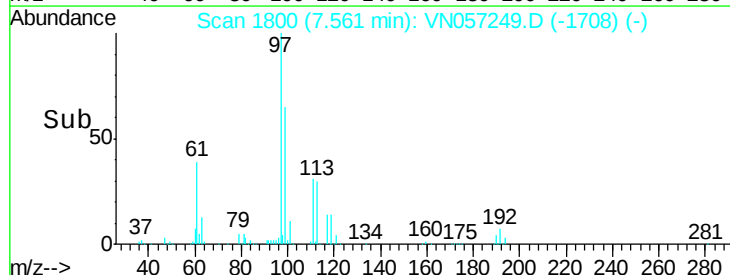
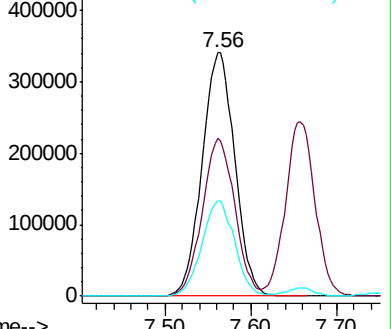
97 100

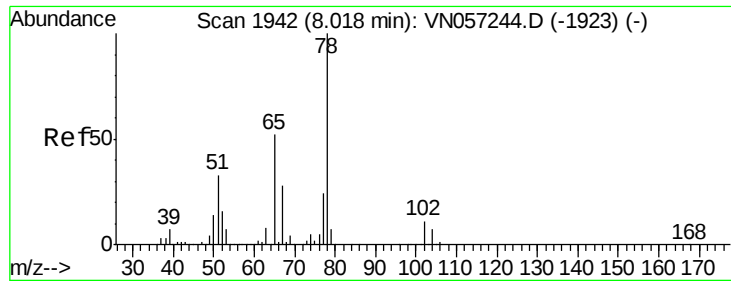
99 64.3 51.7 77.5

61 39.2 32.1 48.1



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 50.221 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 610400

Ion Ratio Lower Upper

65 100

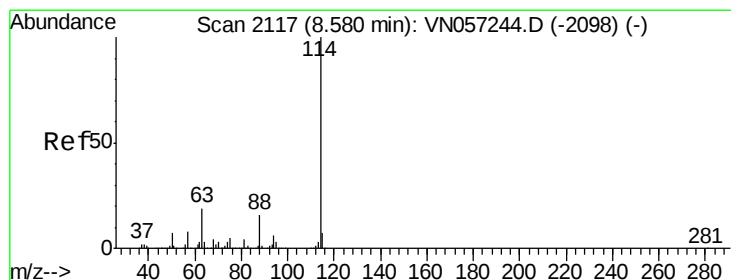
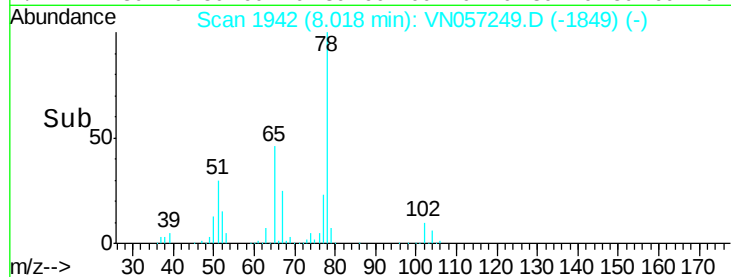
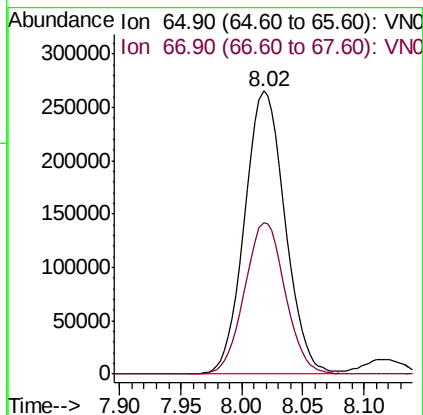
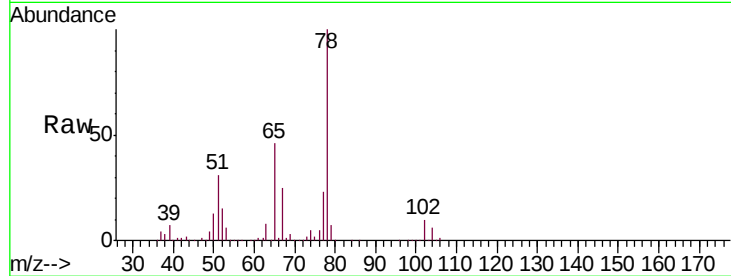
67 53.7 0.0 107.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

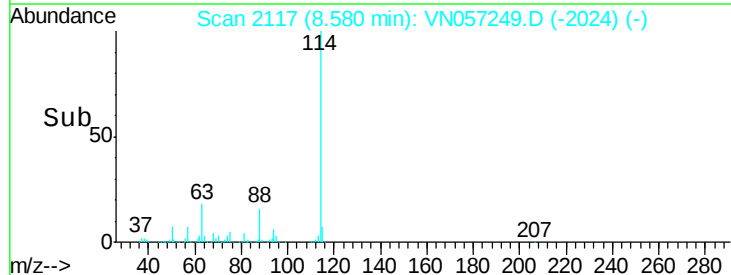
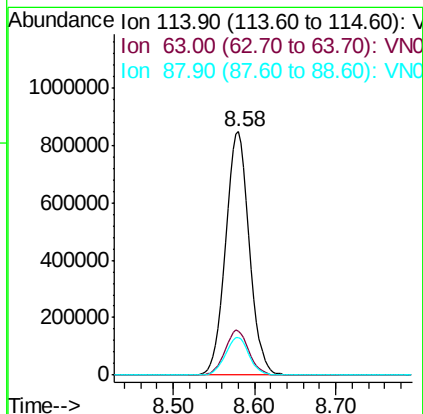
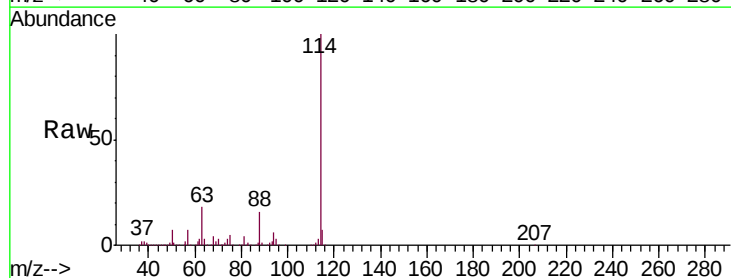
Tgt Ion: 114 Resp: 1739067

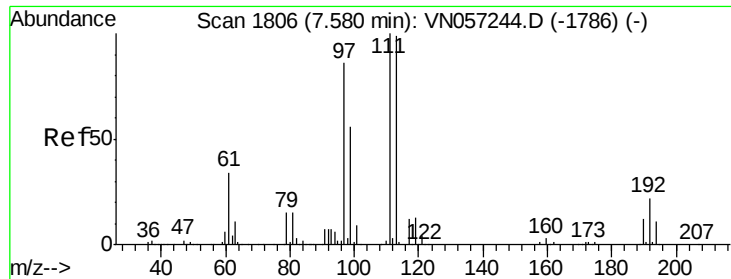
Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.0

88 15.6 0.0 31.0





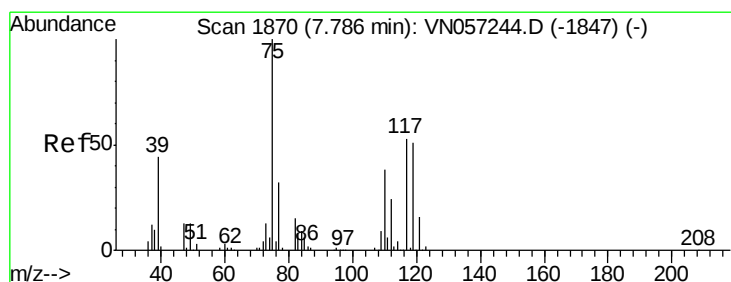
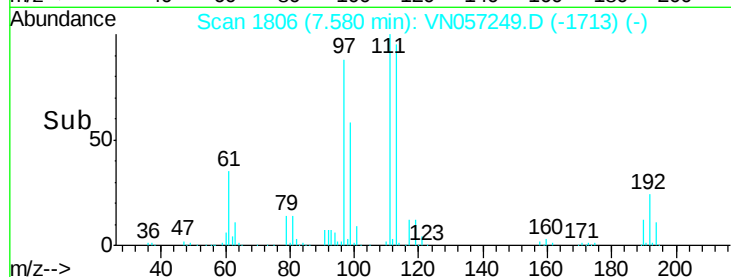
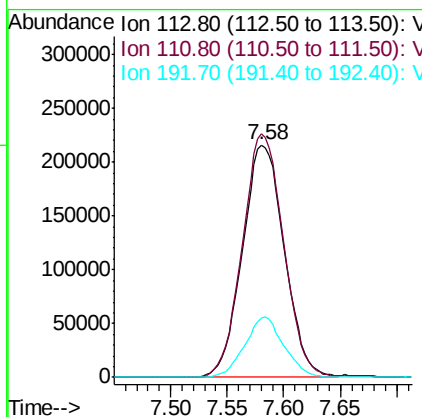
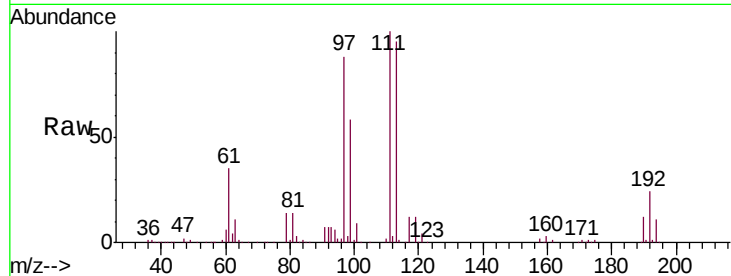
#35
 Dibromofluoromethane
 Concen: 50.150 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	556875		
111	103.0	81.4	122.2	
192	24.2	18.8	28.2	

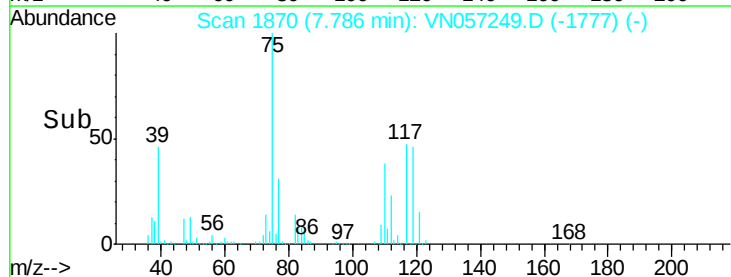
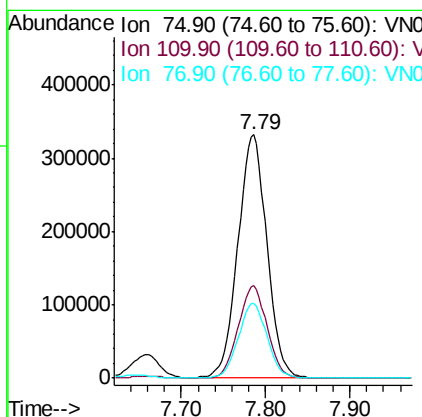
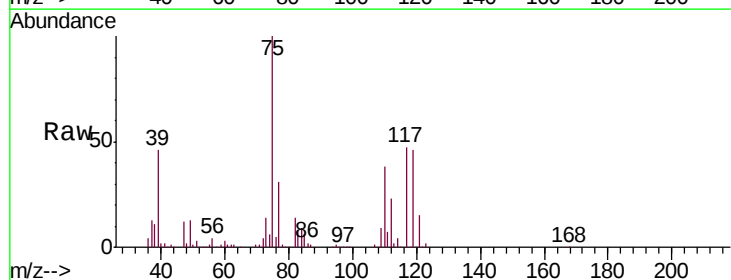
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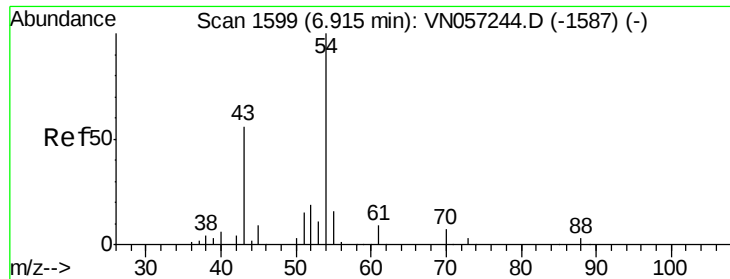
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#36
 1,1-Dichloropropene
 Concen: 52.133 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	792650		
110	38.0	19.1	57.1	
77	30.8	25.2	37.8	





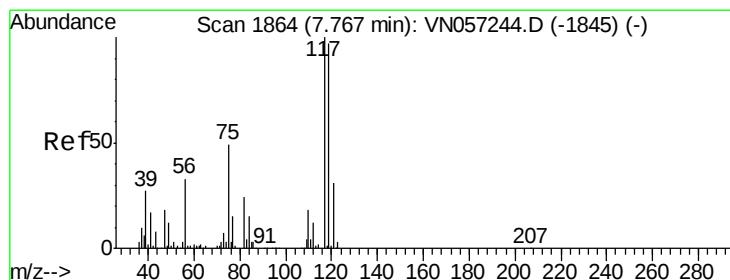
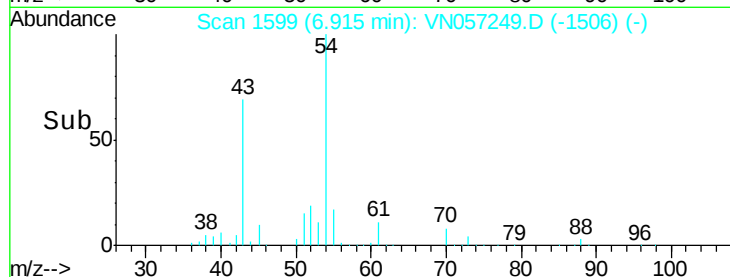
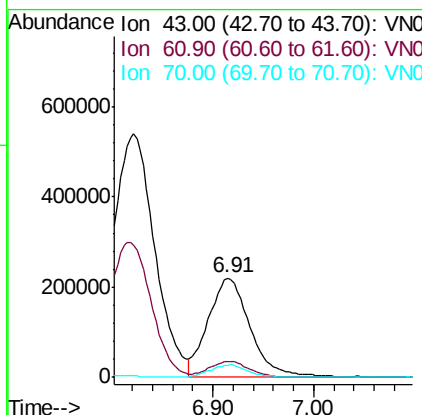
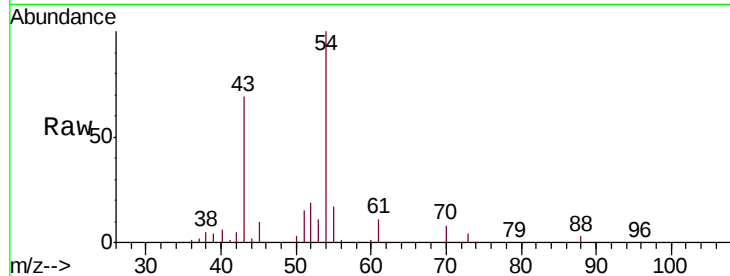
#37
 Ethyl Acetate
 Concen: 51.077 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.7	19.1
70	11.7	9.0	13.4

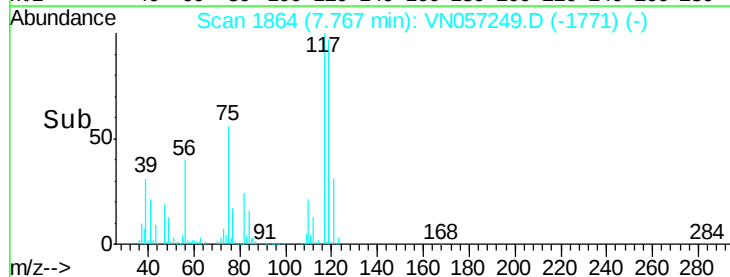
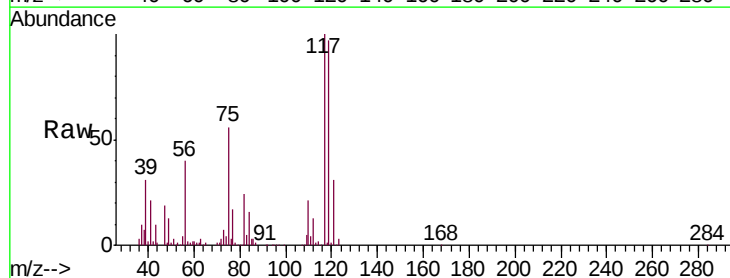
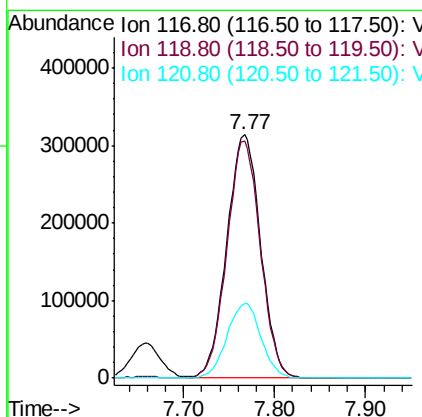
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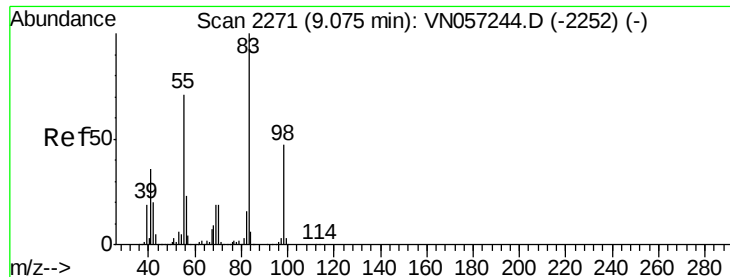
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#38
 Carbon Tetrachloride
 Concen: 50.185 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.8	116.6
121	30.5	24.9	37.3





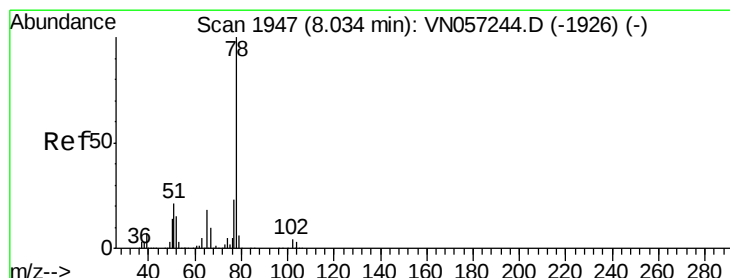
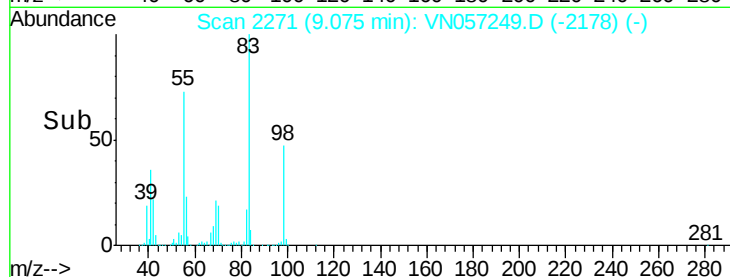
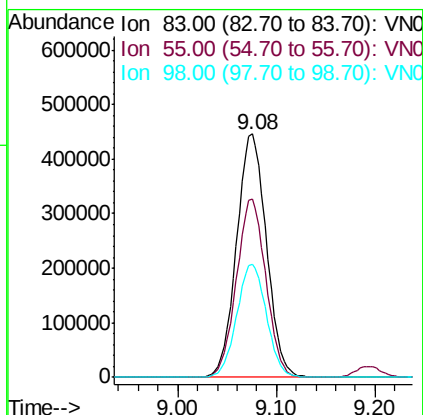
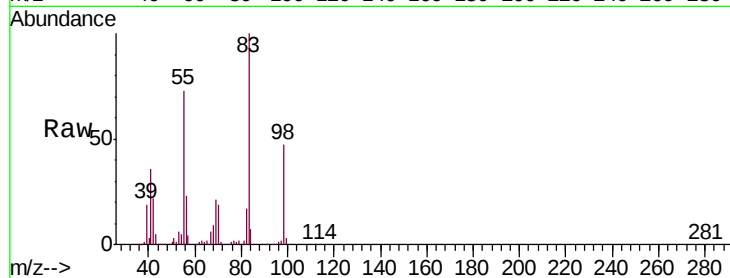
#39
Methylcyclohexane
Concen: 51.977 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.4	57.0	85.4
98	46.5	37.2	55.8

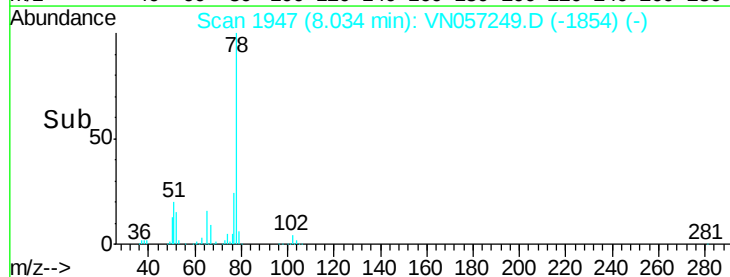
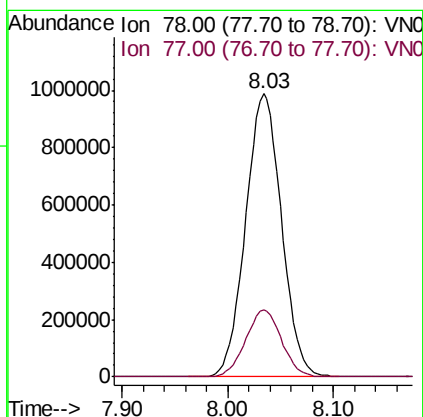
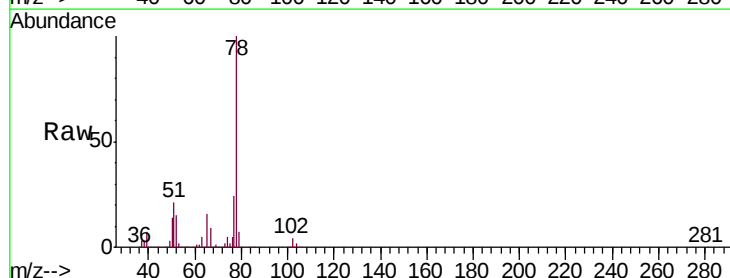
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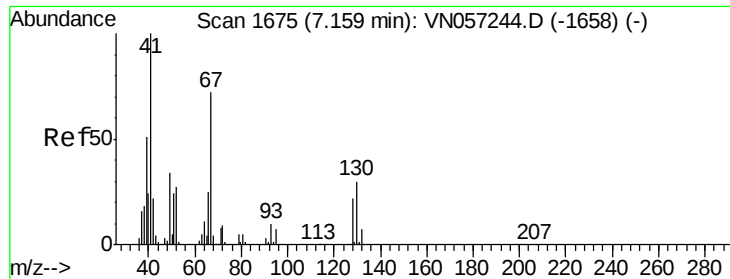
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#40
Benzene
Concen: 50.721 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.2	27.4





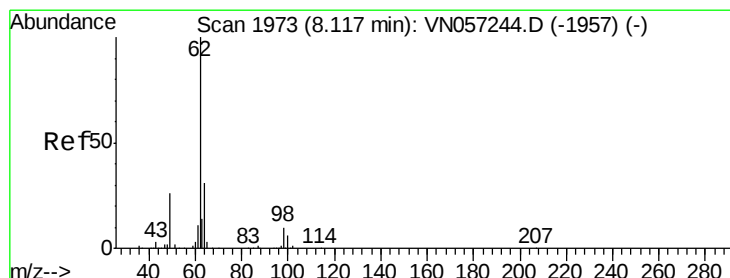
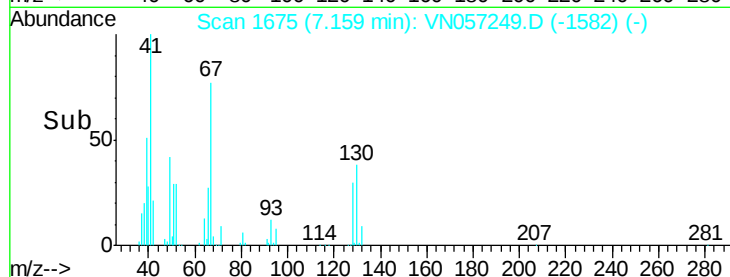
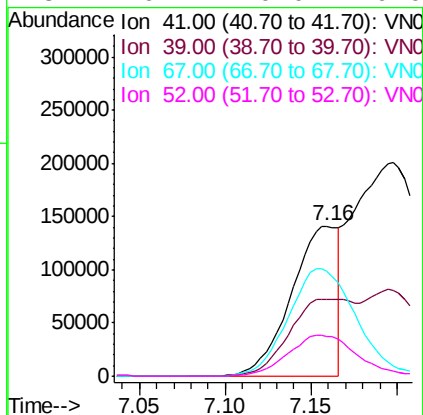
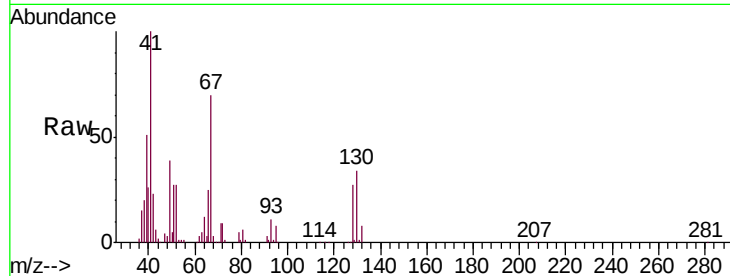
#41
Methacrylonitrile
Concen: 52.138 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.8	0.0	0.0#
67	105.7	0.0	0.0#
52	40.1	0.0	0.0#

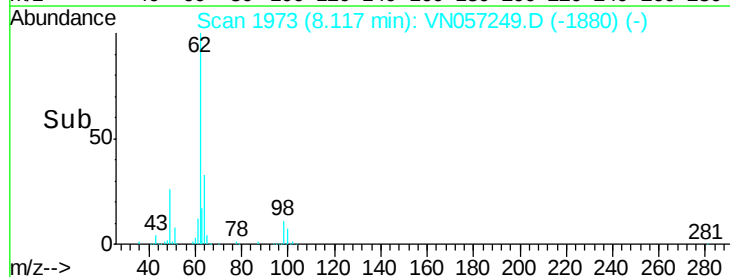
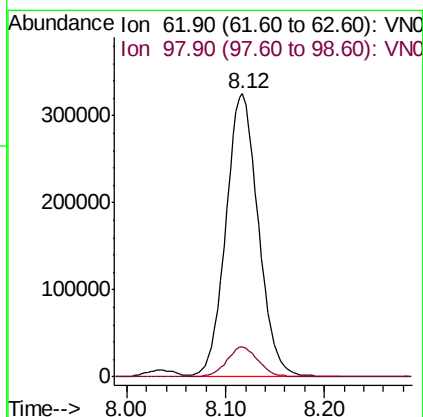
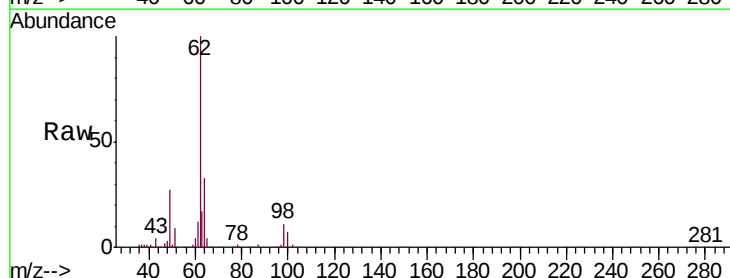
Manual Integrations
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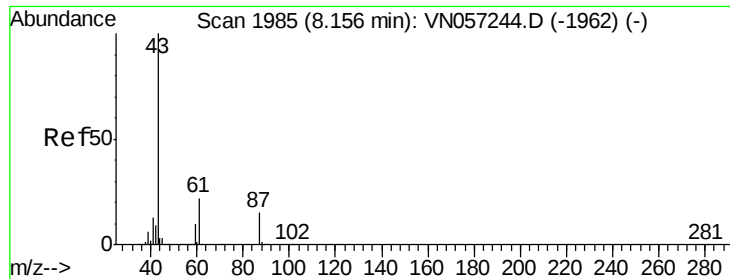
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.315 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.0





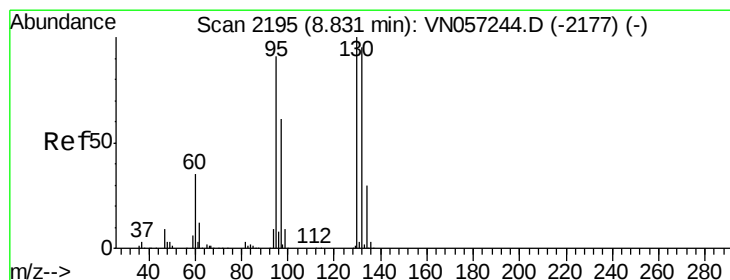
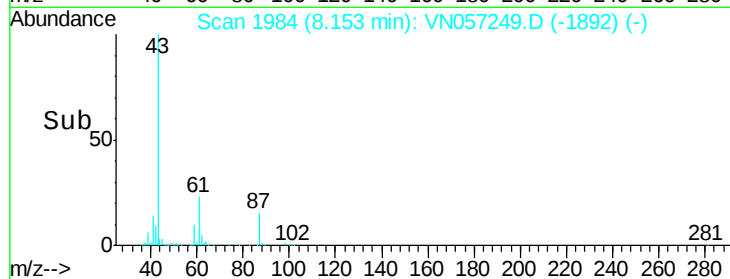
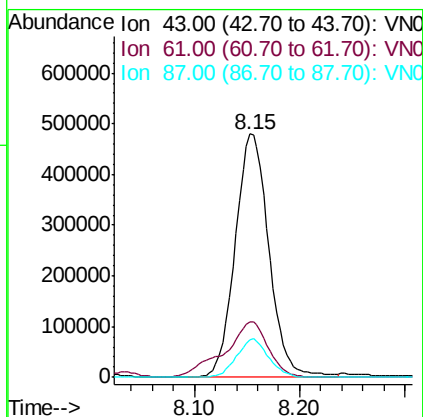
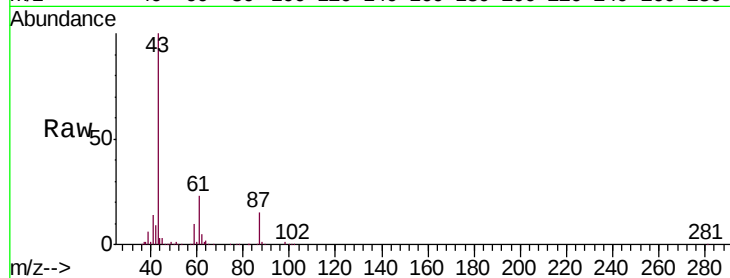
#43
Isopropyl Acetate
Concen: 52.717 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1060991
Ion Ratio Lower Upper
43 100
61 29.6 23.5 35.3
87 15.0 12.1 18.1

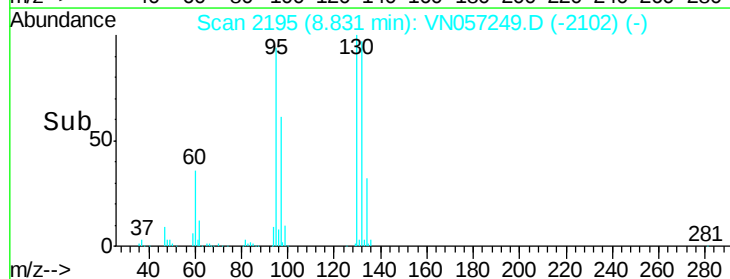
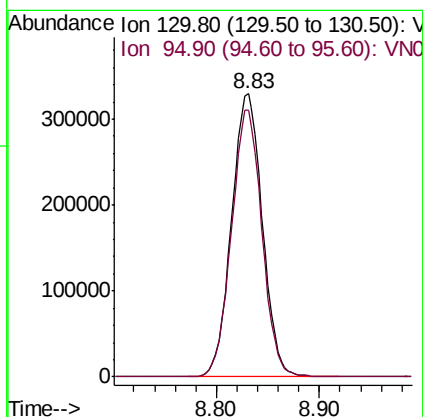
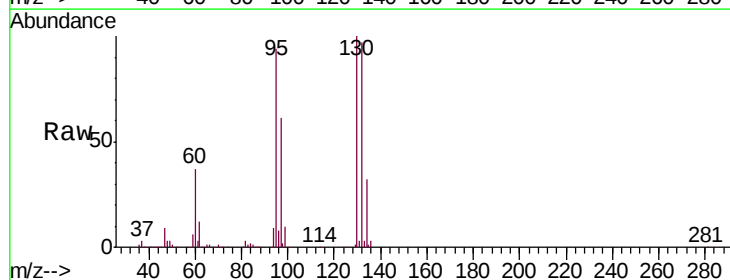
Manual Integrations
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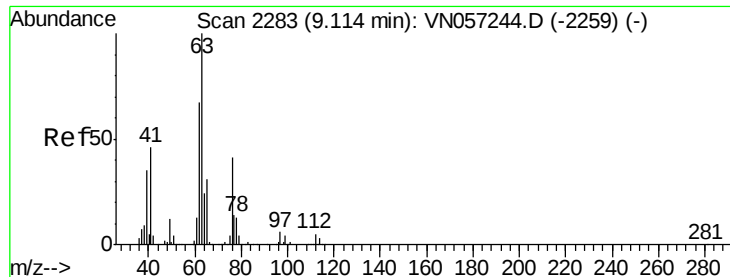
MMDadoda
8/22/2019 9:48:51 AM



#44
Trichloroethene
Concen: 51.117 ug/l
RT: 8.83 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion: 130 Resp: 684429
Ion Ratio Lower Upper
130 100
95 94.1 0.0 181.8





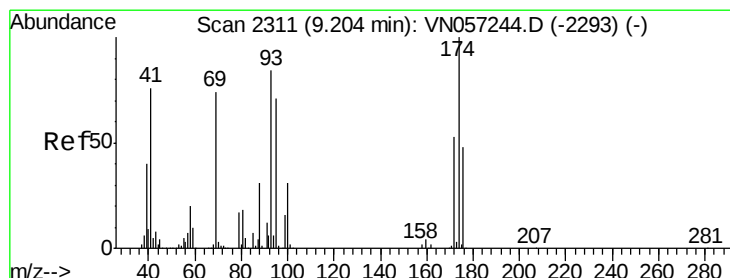
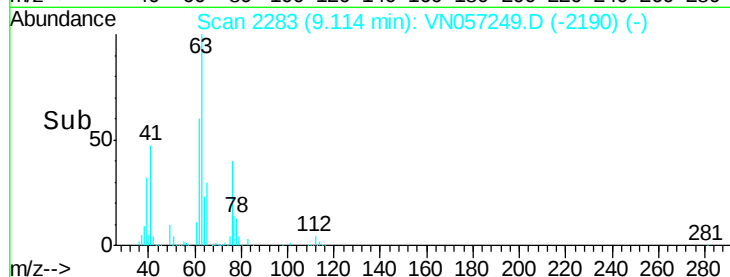
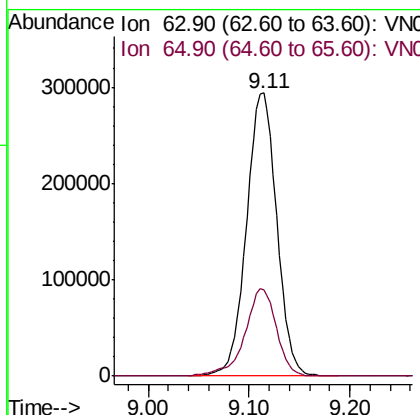
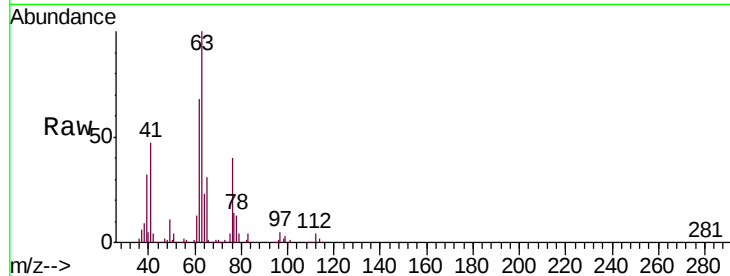
#45
 1,2-Dichloropropane
 Concen: 52.097 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 609636
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4

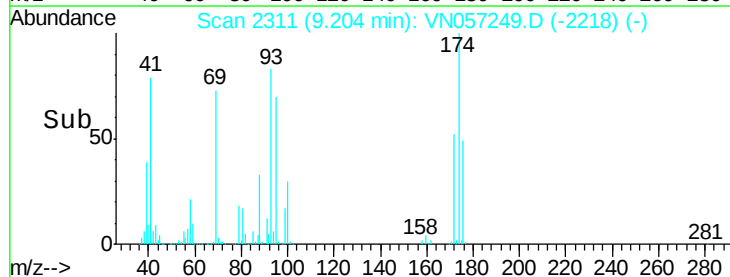
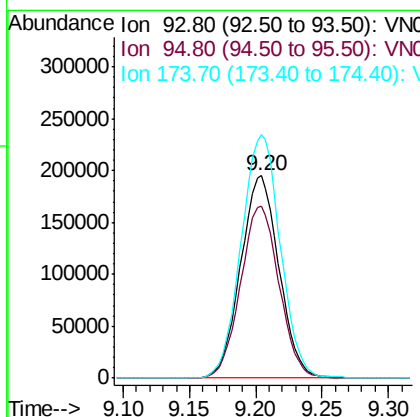
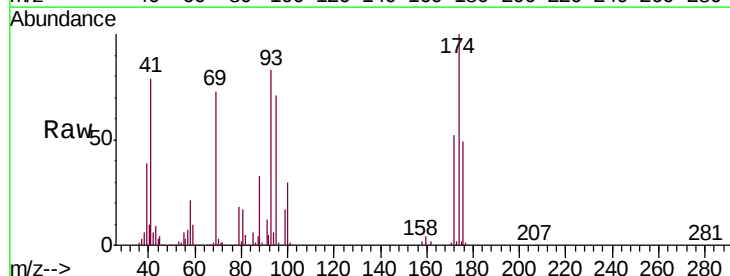
Manual Integrations
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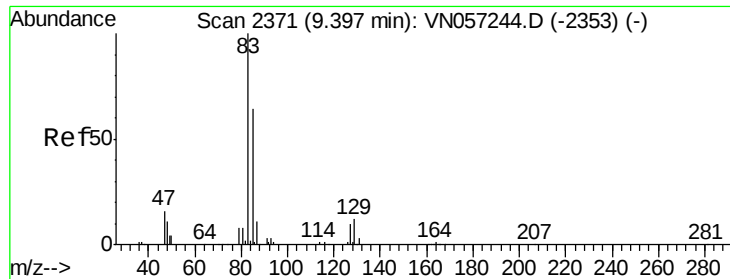
MMDadoda
 8/22/2019 9:48:51 AM



#46
 Dibromomethane
 Concen: 49.792 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Tgt Ion: 93 Resp: 392857
 Ion Ratio Lower Upper
 93 100
 95 85.4 67.0 100.4
 174 122.8 96.2 144.2





#47

Bromodichloromethane

Concen: 52.352 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

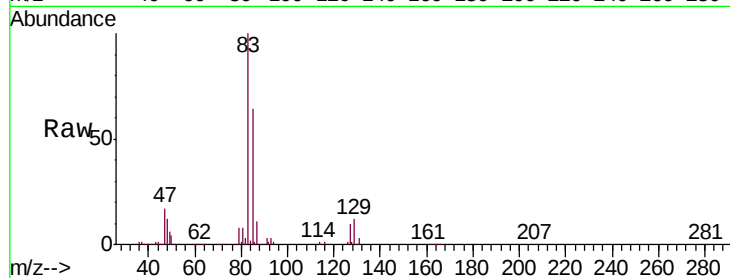
ClientSampleId :

VSTDCCC050

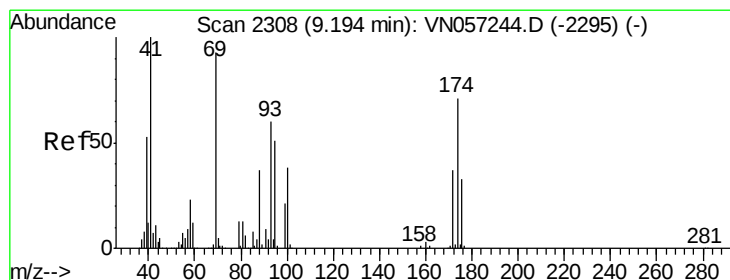
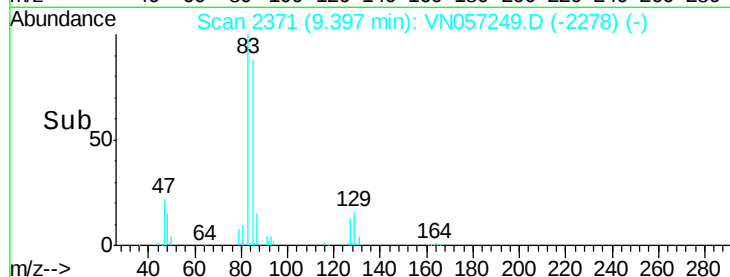
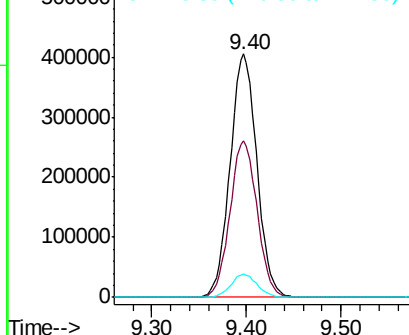
Tgt Ion:	83	Resp:	796352
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.4	77.0
127	9.6	7.7	11.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 54.084 ug/l

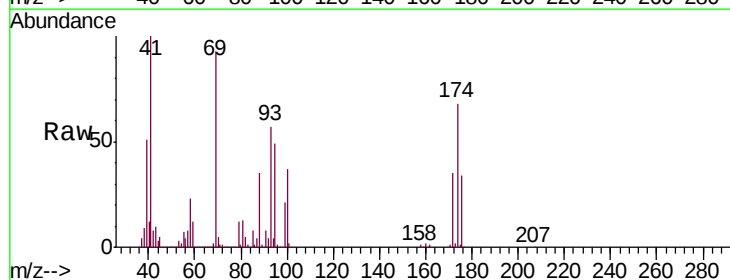
RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

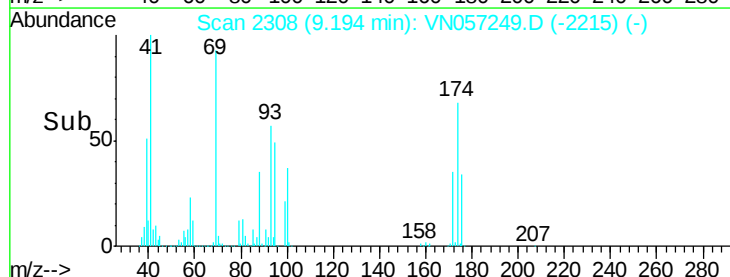
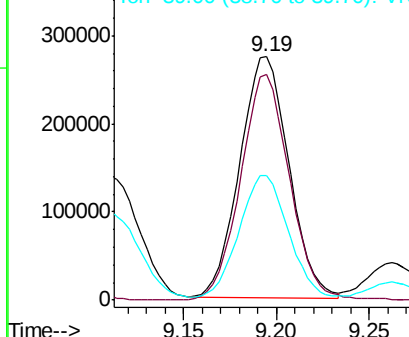
Lab File: VN057249.D

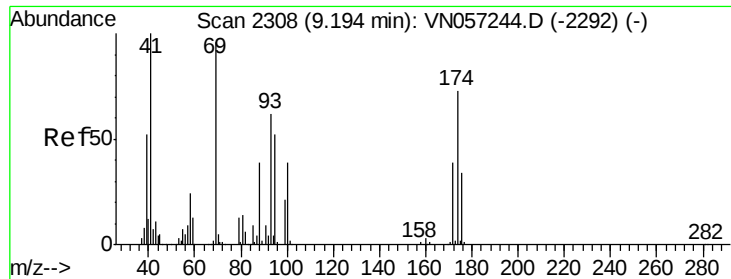
Acq: 13 Aug 2019 16:10

Tgt Ion:	41	Resp:	503660
Ion Ratio	Lower	Upper	
41	100		
69	94.0	75.7	113.5
39	52.8	43.3	64.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





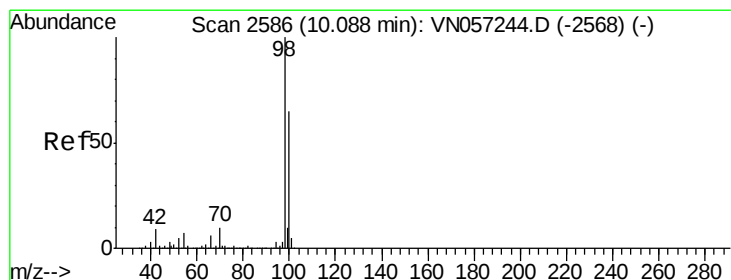
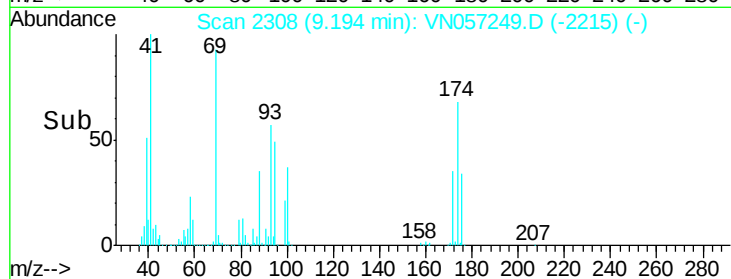
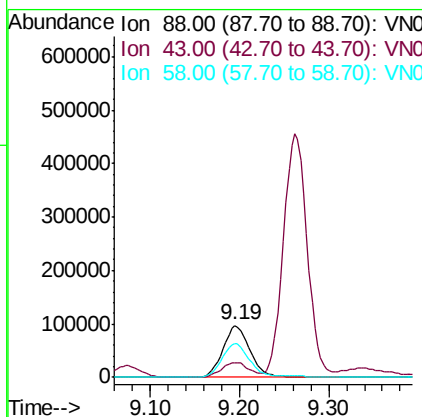
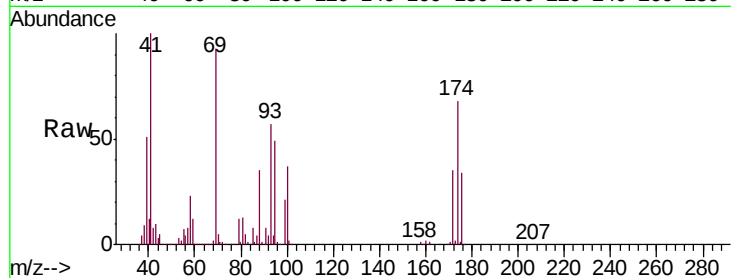
#49
1,4-Dioxane
Concen: 974.282 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.4	20.7	31.1
58	66.9	52.0	78.0

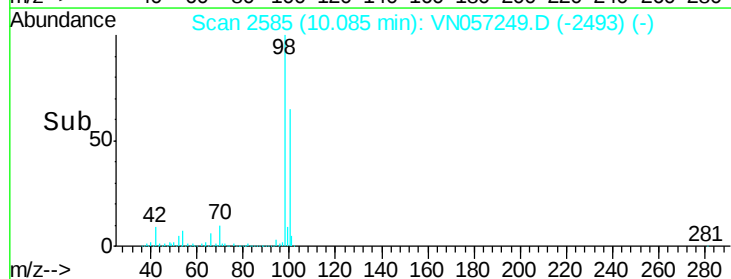
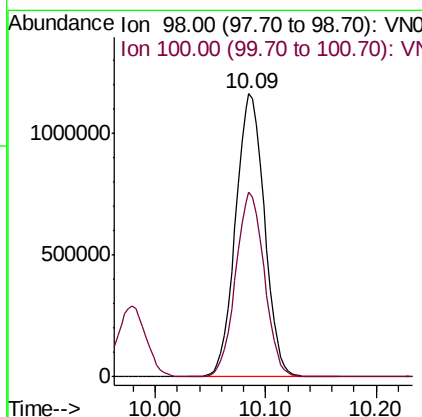
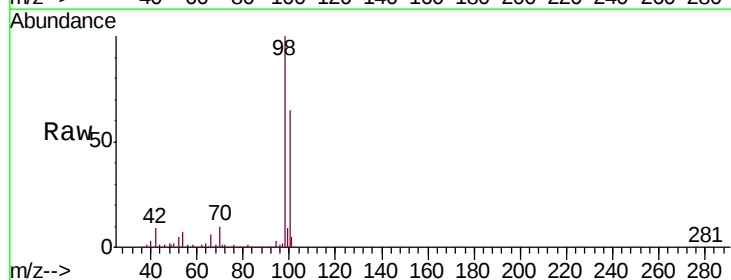
Manual Integrations
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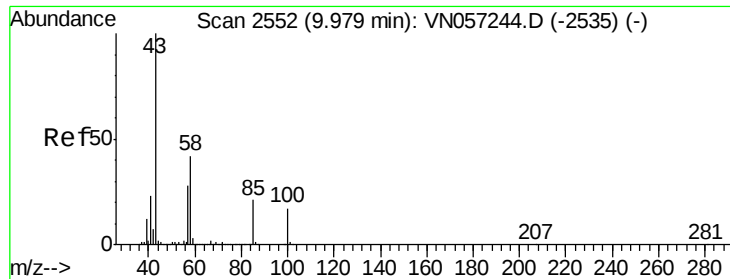
MMDadoda
8/22/2019 9:48:51 AM



#50
Toluene-d8
Concen: 52.117 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.6





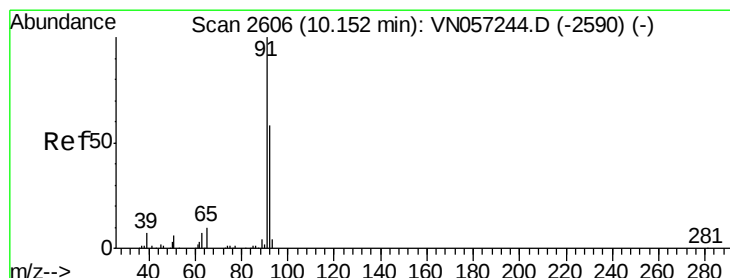
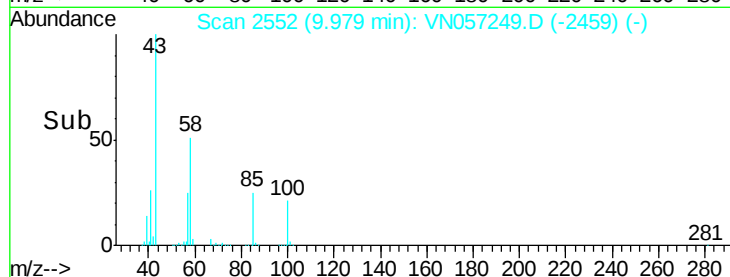
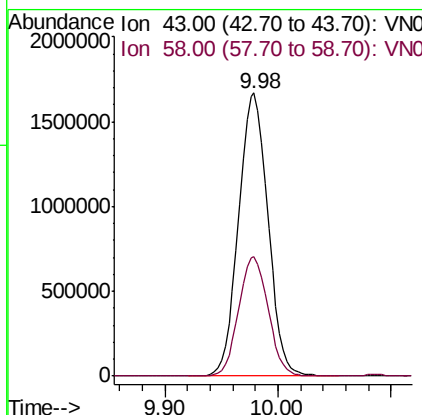
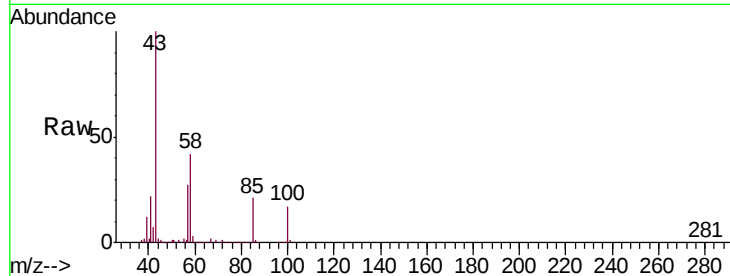
#51
4-Methyl-2-Pentanone
Concen: 255.792 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 3023004
Ion Ratio Lower Upper
43 100
58 42.4 33.7 50.5

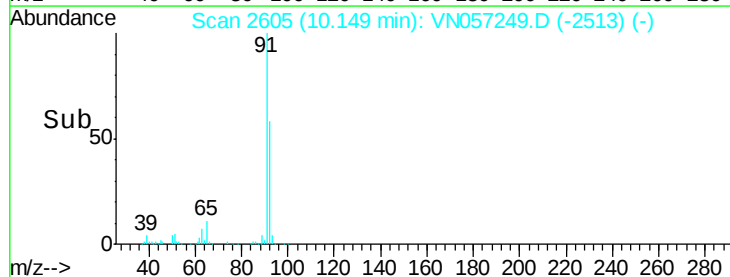
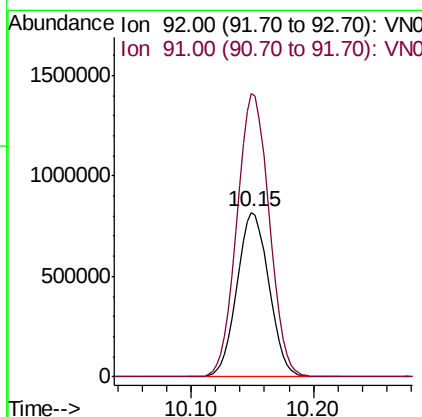
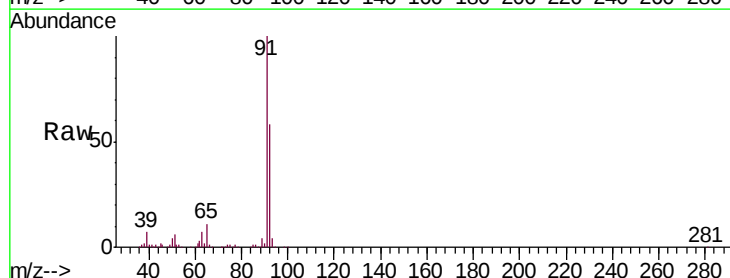
Manual Integrations
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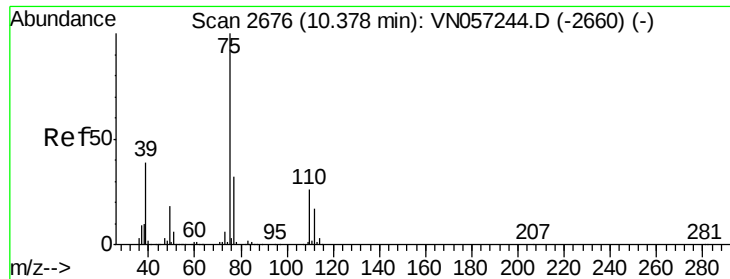
MMDadoda
8/22/2019 9:48:51 AM



#52
Toluene
Concen: 51.720 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion: 92 Resp: 1484164
Ion Ratio Lower Upper
92 100
91 174.1 138.2 207.2





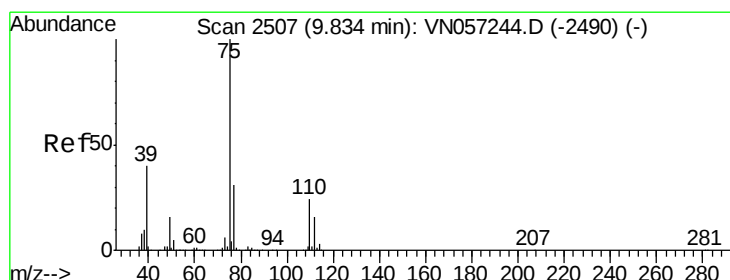
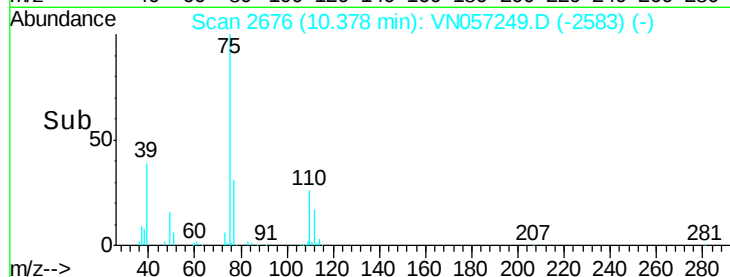
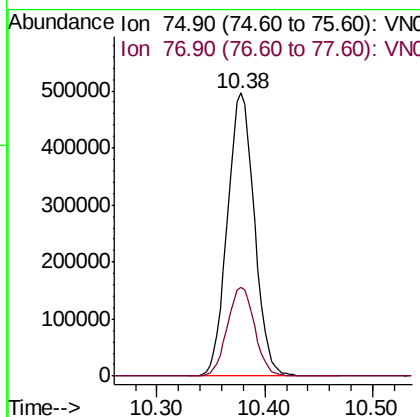
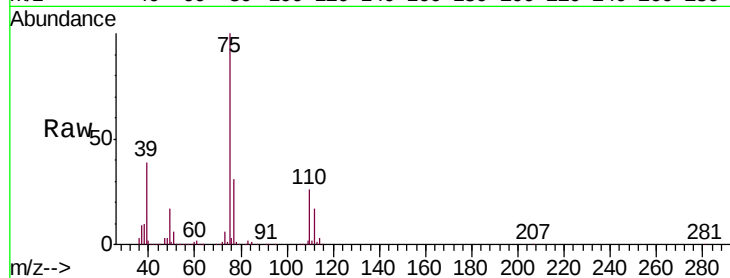
#53
t-1,3-Dichloropropene
Concen: 53.282 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 75 Resp: 866942
Ion Ratio Lower Upper
75 100
77 31.3 25.3 37.9

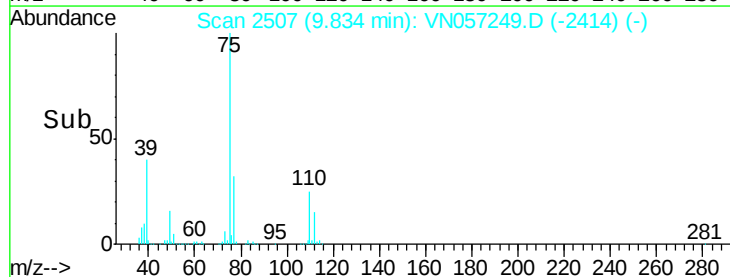
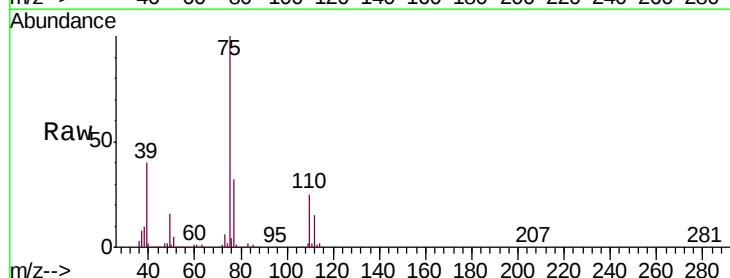
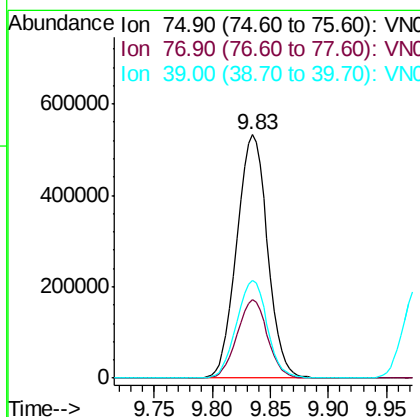
Manual Integrations
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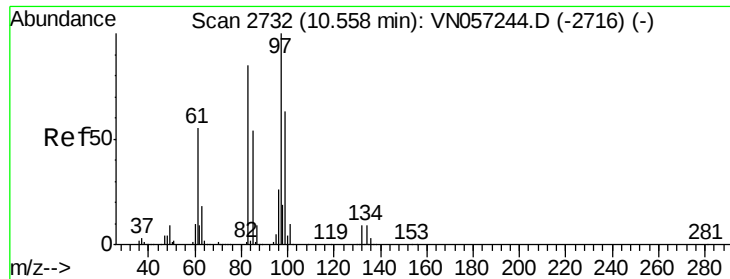
MMDadoda
8/22/2019 9:48:51 AM



#54
cis-1,3-Dichloropropene
Concen: 53.553 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion: 75 Resp: 982041
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6
39 40.3 32.3 48.5





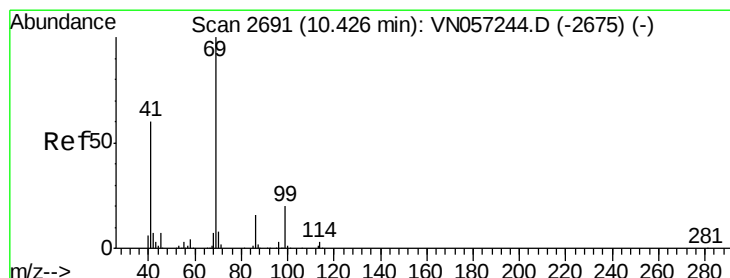
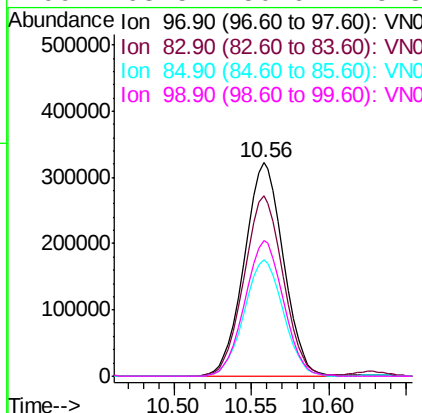
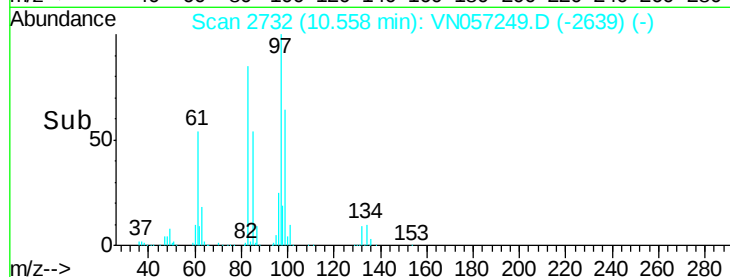
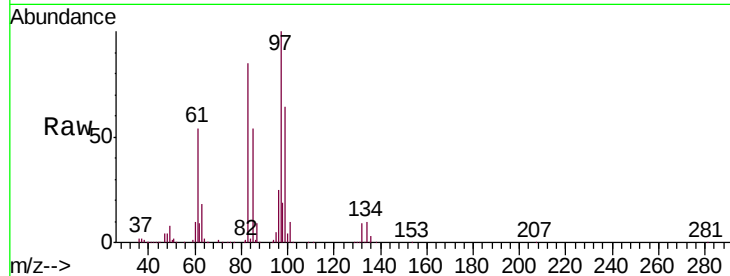
#55
 1,1,2-Trichloroethane
 Concen: 50.608 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	567646		
83	84.7	68.4	102.6	
85	54.3	43.0	64.6	
99	63.5	50.6	75.8	

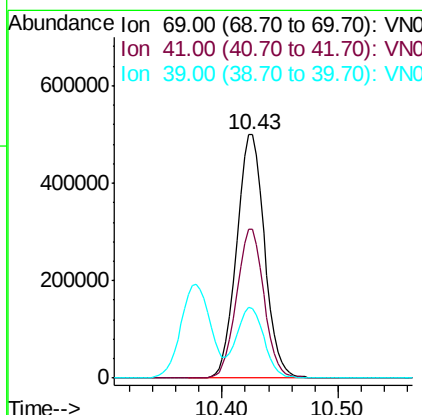
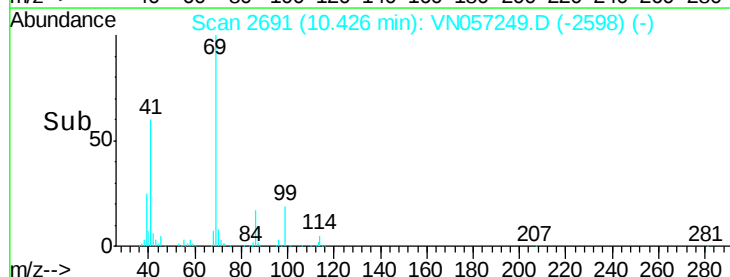
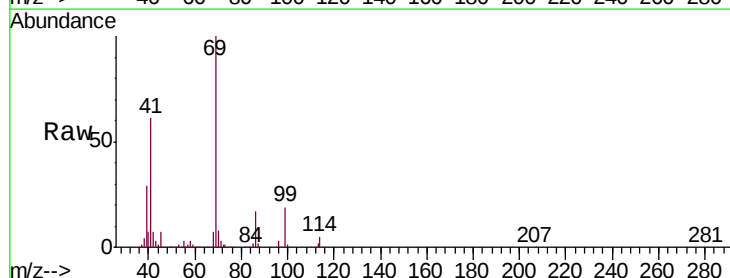
Manual Integrations
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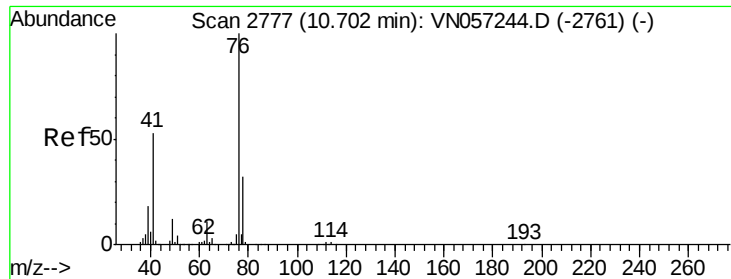
MMDadoda
 8/22/2019 9:48:51 AM



#56
 Ethyl methacrylate
 Concen: 52.764 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	830335		
41	59.9	47.6	71.4	
39	28.4	23.4	35.0	





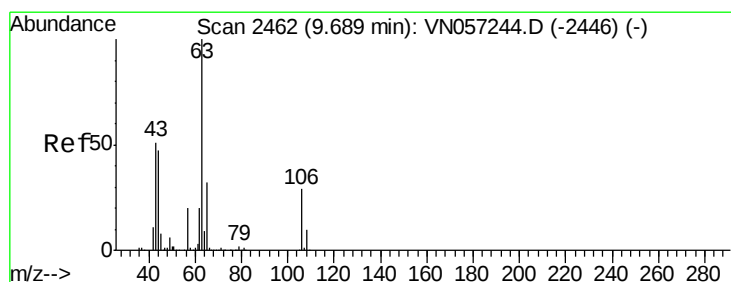
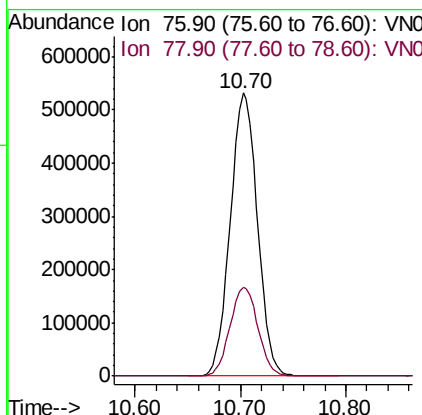
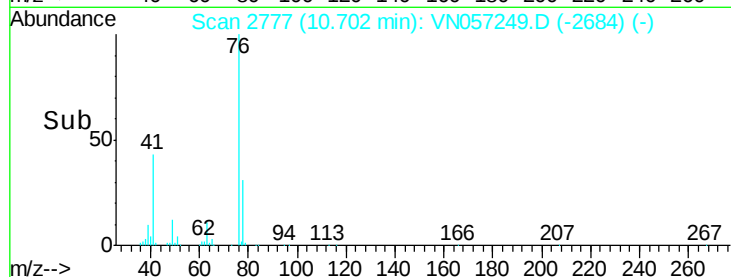
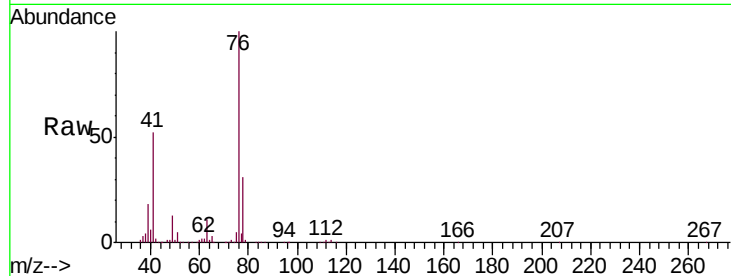
#57
 1,3-Dichloropropane
 Concen: 51.096 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 945576
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0

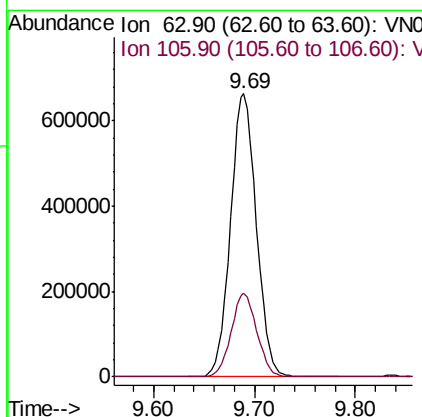
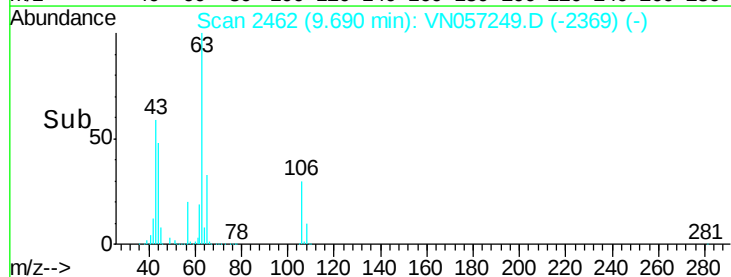
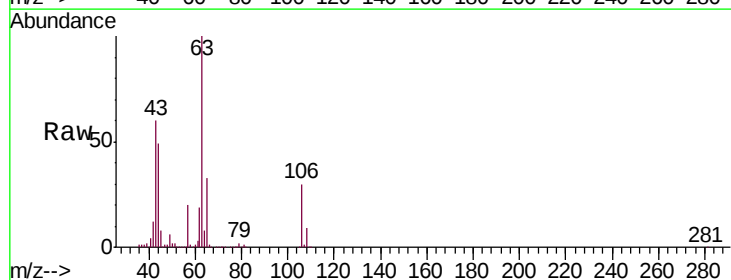
Manual Integrations
 APPROVED

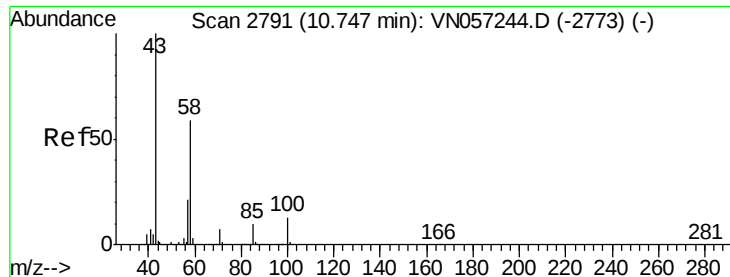
MMDadoda
 8/22/2019 9:48:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.695 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Tgt Ion: 63 Resp: 1183610
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.4 35.2





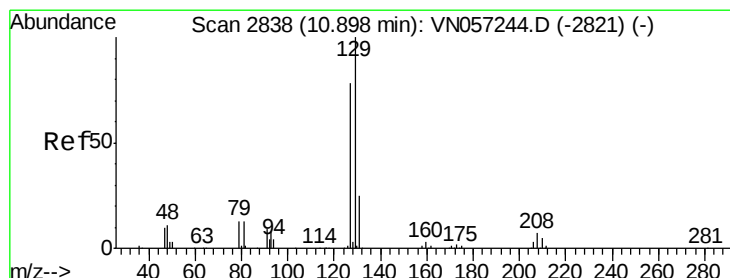
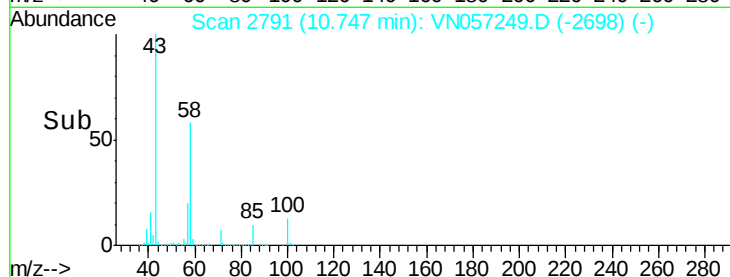
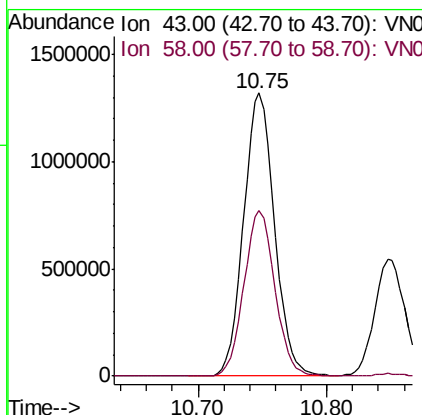
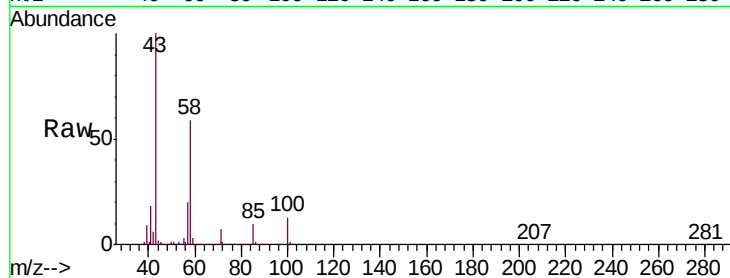
#59
2-Hexanone
Concen: 262.082 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 2197622
Ion Ratio Lower Upper
43 100
58 58.6 29.1 87.4

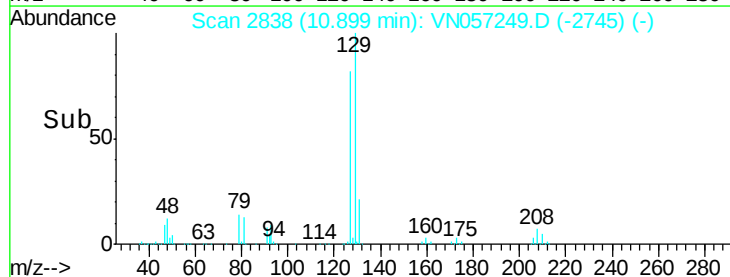
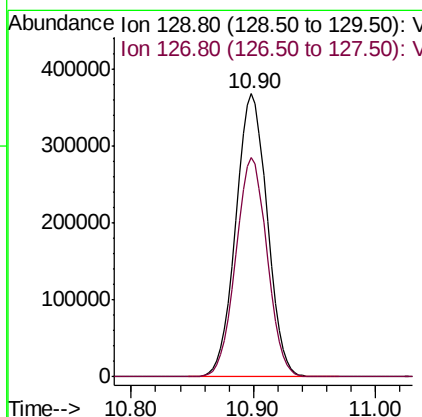
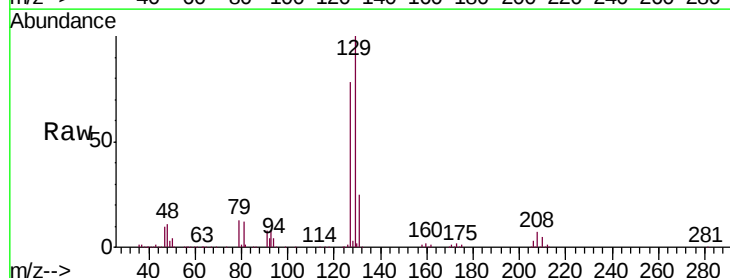
Manual Integrations
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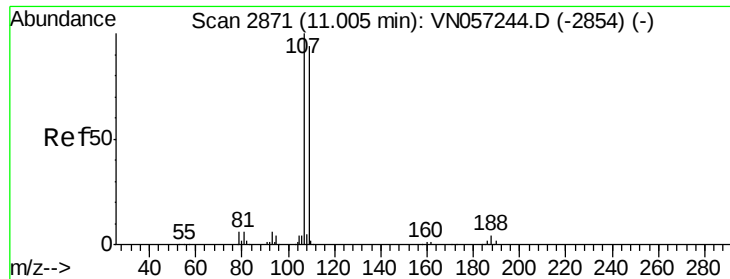
MMDadoda
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#60
Dibromochloromethane
Concen: 52.115 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion: 129 Resp: 655523
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6





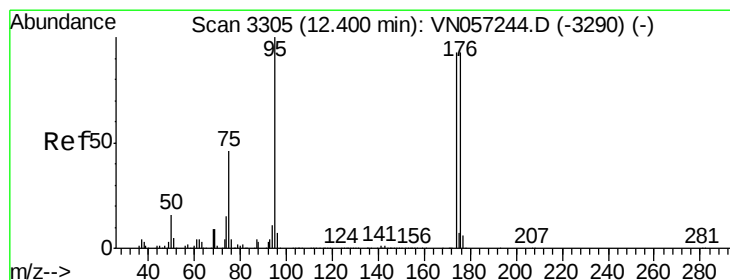
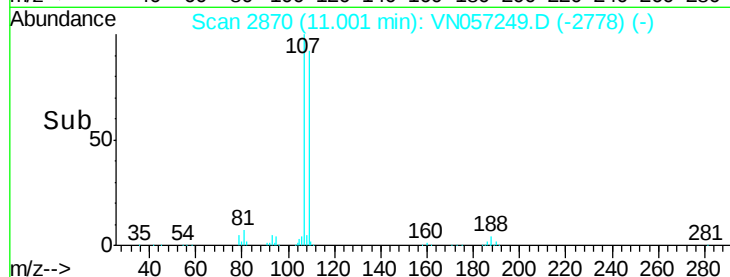
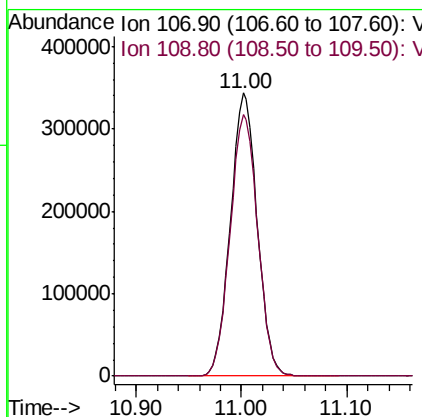
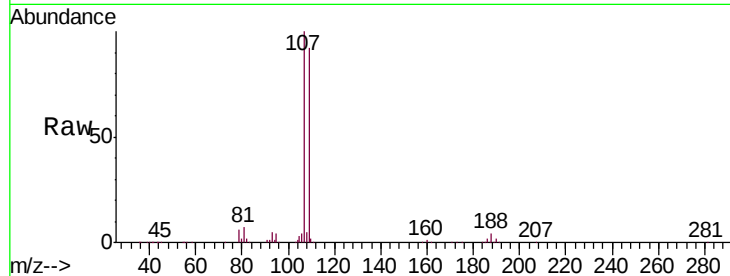
#61
1,2-Dibromoethane
Concen: 51.784 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. -0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 107 Resp: 603009
Ion Ratio Lower Upper
107 100
109 95.0 75.7 113.5

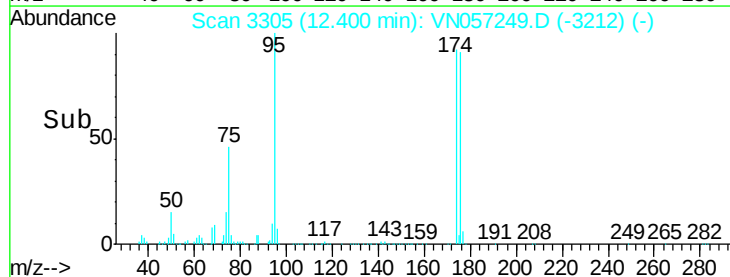
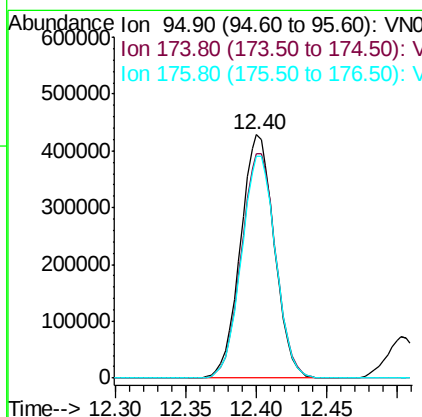
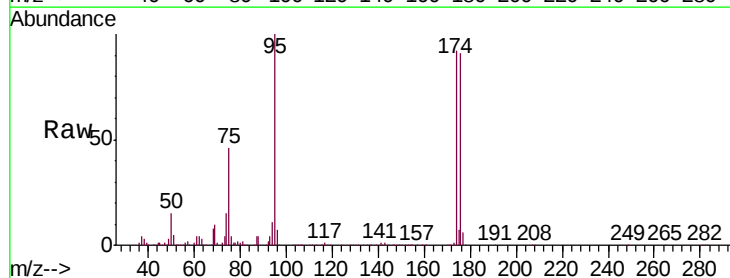
Manual Integrations
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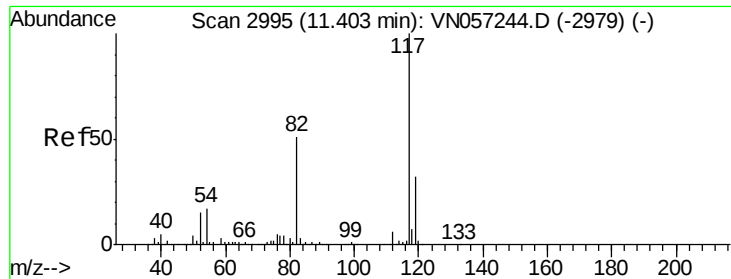
MMDadoda
8/22/2019 9:48:51 AM



#62
4-Bromofluorobenzene
Concen: 51.740 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion: 95 Resp: 718649
Ion Ratio Lower Upper
95 100
174 94.2 0.0 187.6
176 92.2 0.0 185.8





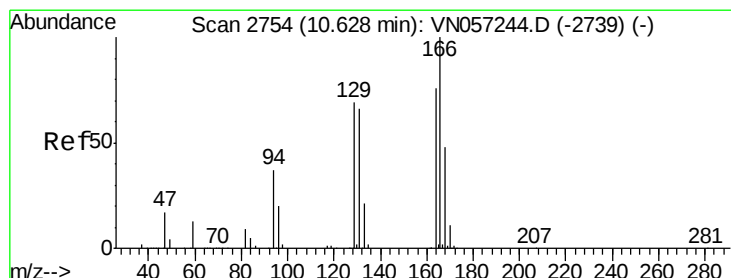
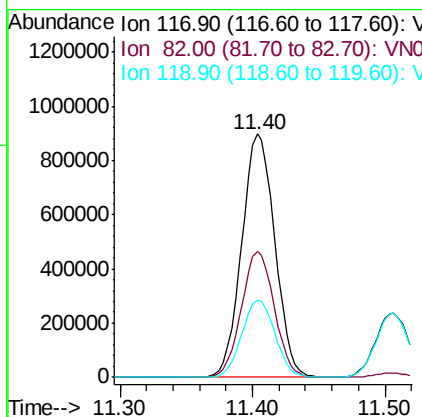
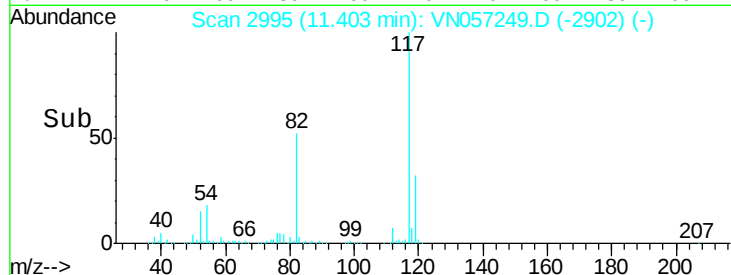
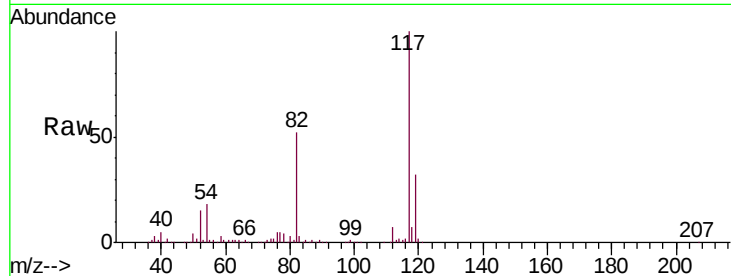
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1553742
Ion Ratio Lower Upper
117 100
82 51.9 40.9 61.3
119 31.9 25.4 38.2

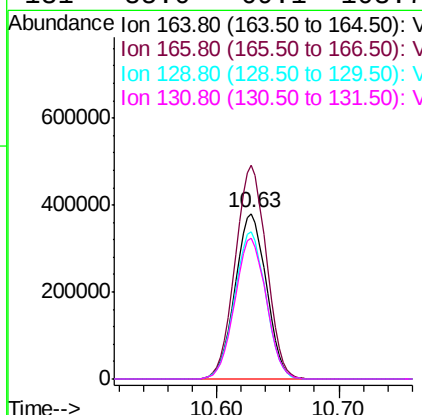
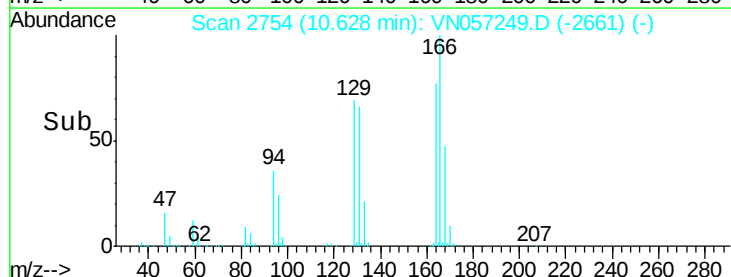
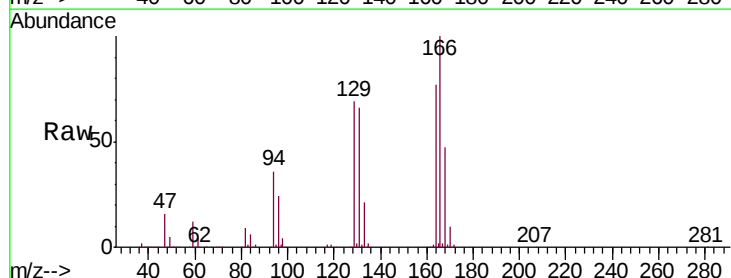
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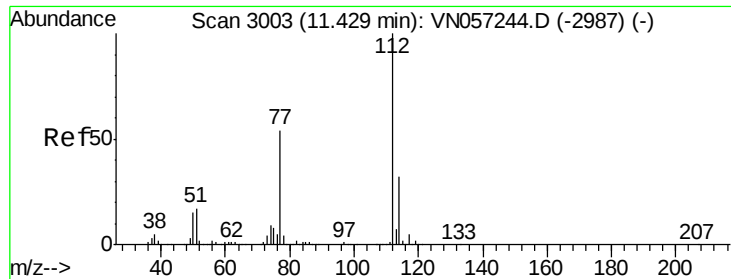
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#64
Tetrachloroethene
Concen: 49.140 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion:164 Resp: 674392
Ion Ratio Lower Upper
164 100
166 129.2 104.9 157.3
129 89.2 71.9 107.9
131 85.0 69.1 103.7





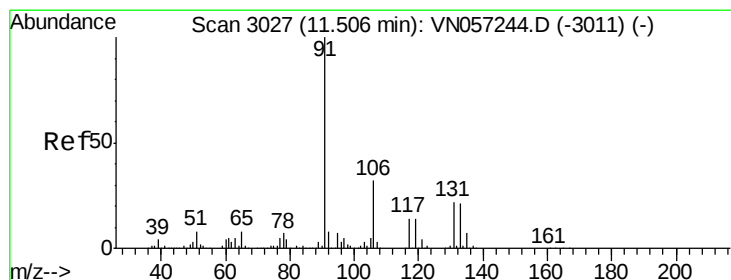
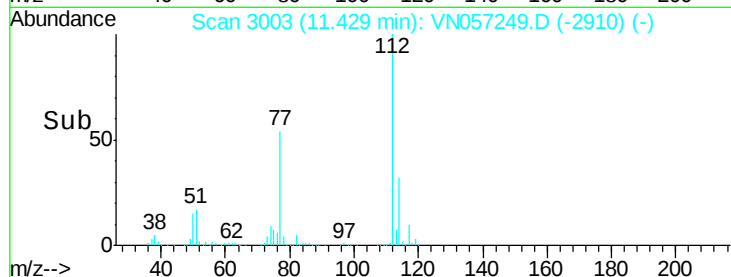
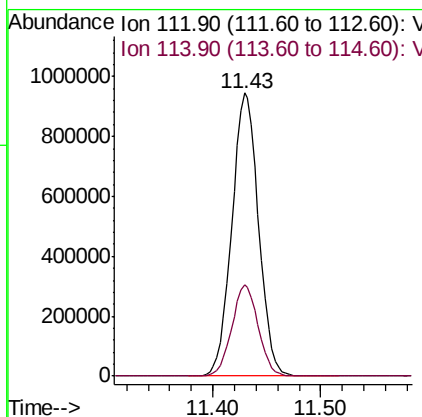
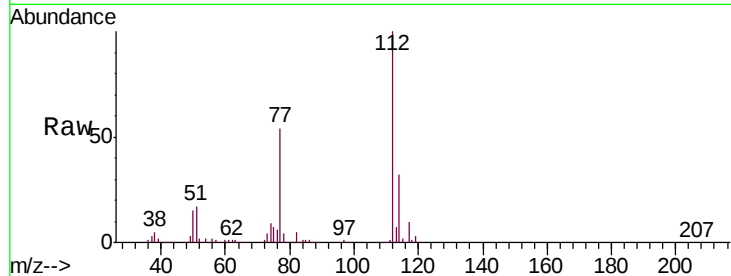
#65
Chlorobenzene
Concen: 51.101 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:112 Resp: 1624698
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2

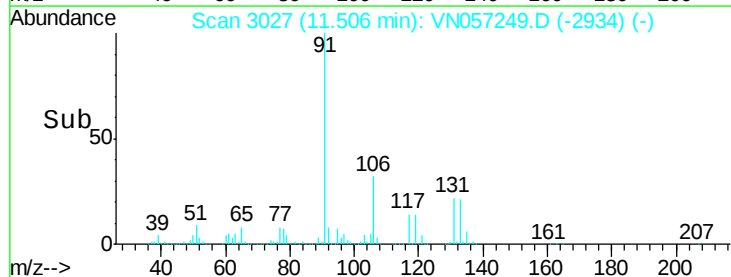
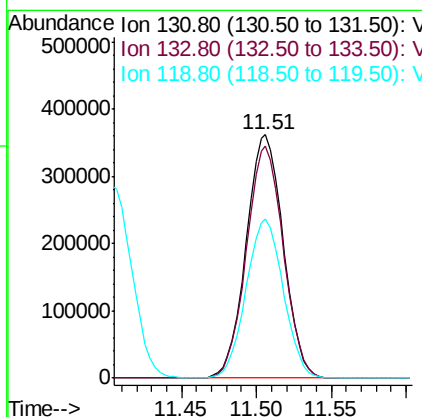
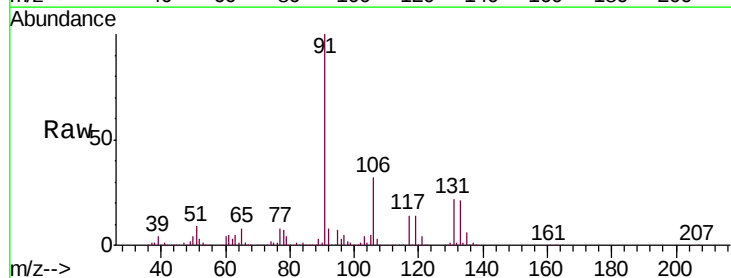
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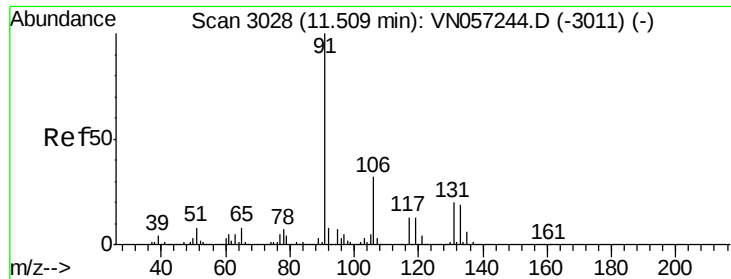
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.780 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion:131 Resp: 623468
Ion Ratio Lower Upper
131 100
133 95.0 46.9 140.7
119 65.7 32.3 96.8





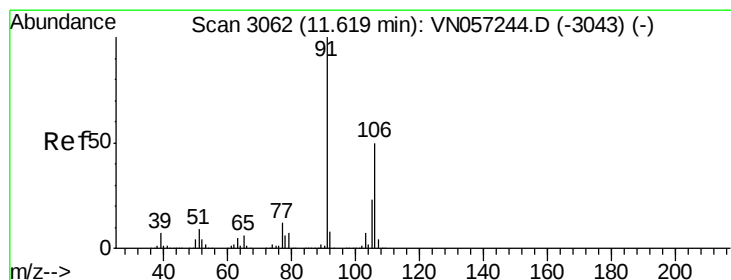
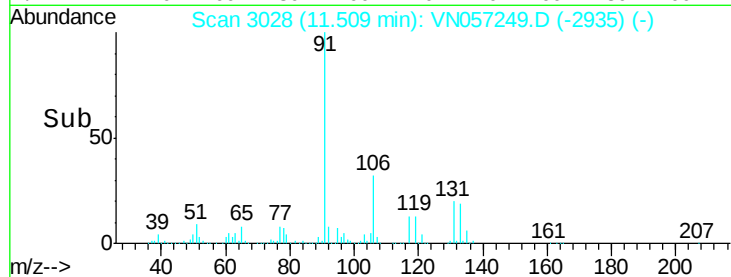
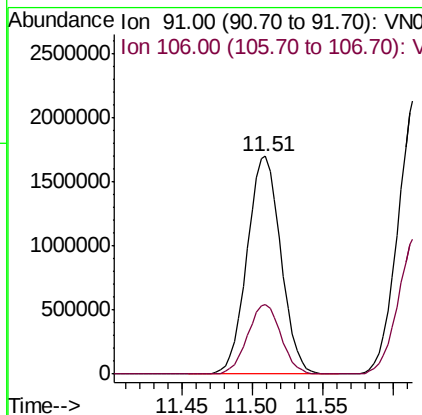
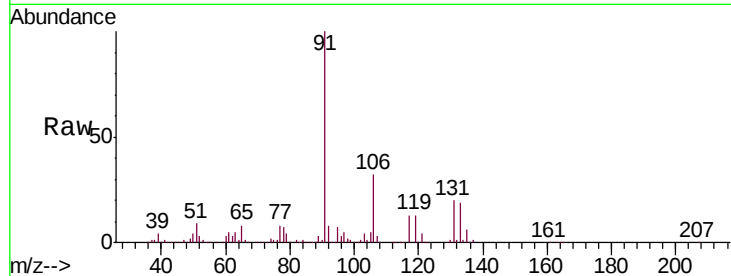
#67
 Ethyl Benzene
 Concen: 52.433 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 2845953
 Ion Ratio Lower Upper
 91 100
 106 32.1 25.4 38.0

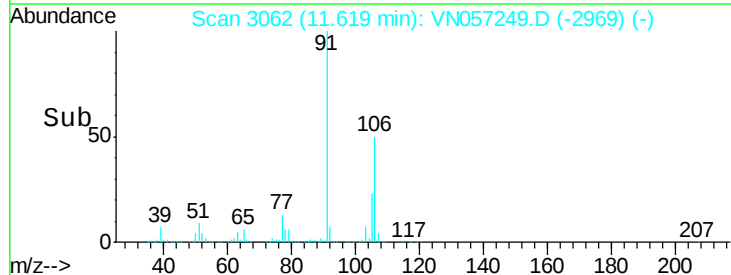
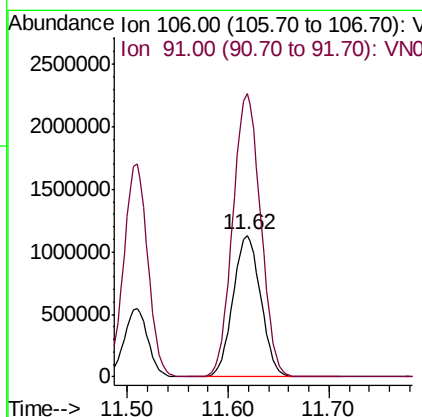
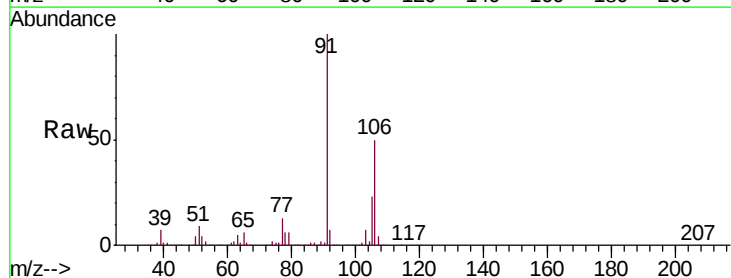
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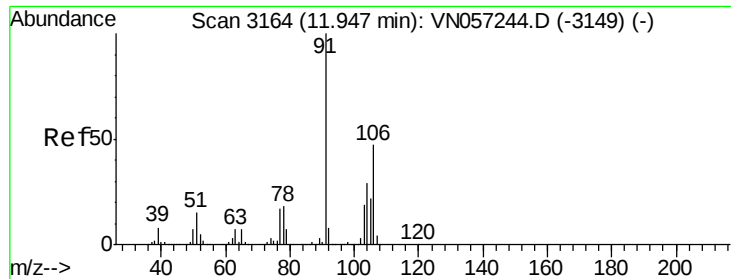
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#68
 m/p-Xylenes
 Concen: 106.632 ug/l
 RT: 11.62 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Tgt Ion: 106 Resp: 2159443
 Ion Ratio Lower Upper
 106 100
 91 201.2 161.4 242.0





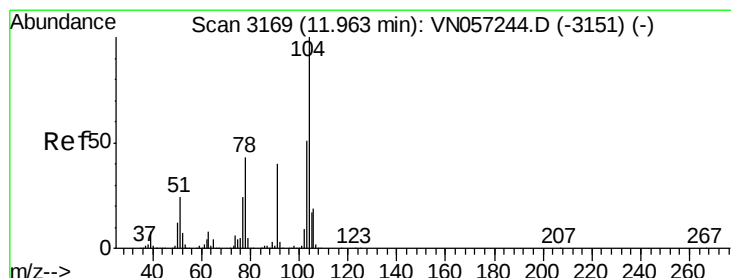
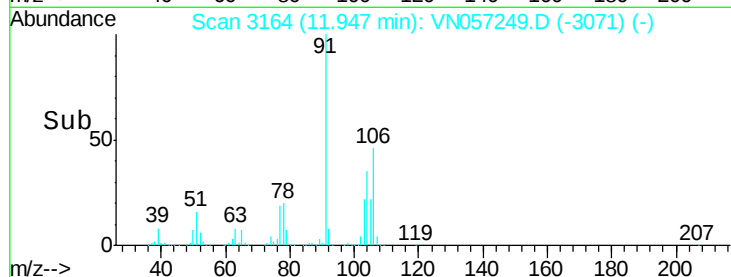
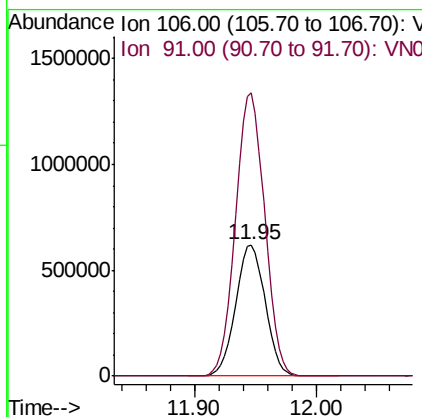
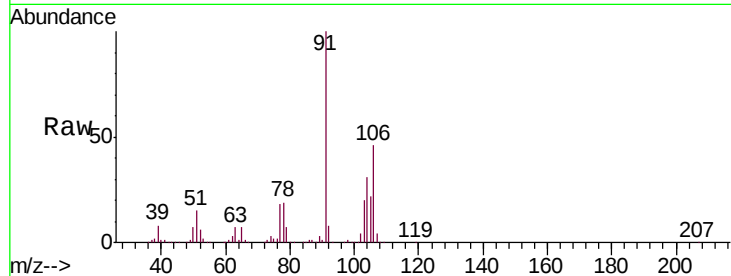
#69
o-Xylene
Concen: 52.263 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:106 Resp: 1036298
Ion Ratio Lower Upper
106 100
91 213.6 106.5 319.4

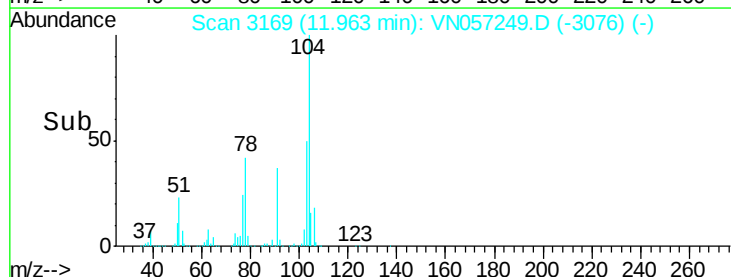
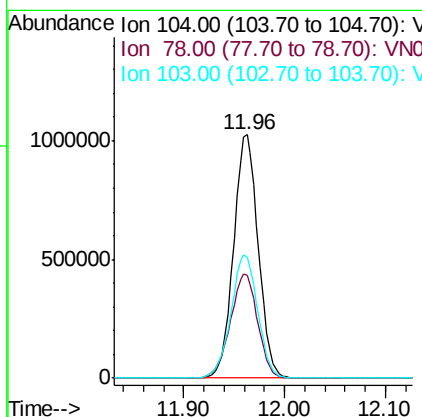
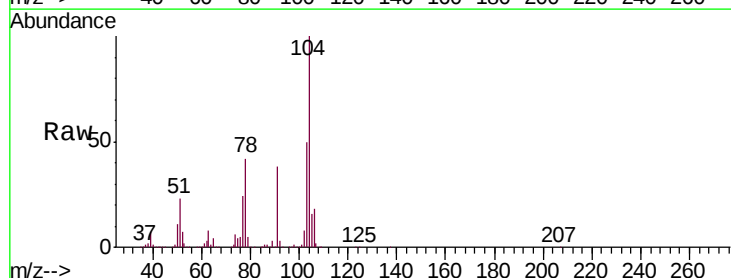
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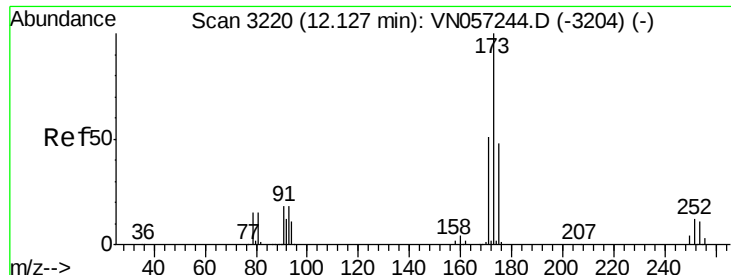
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#70
Styrene
Concen: 56.642 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion:104 Resp: 1738870
Ion Ratio Lower Upper
104 100
78 47.6 38.6 57.8
103 55.1 43.9 65.9





#71

Bromoform

Concen: 53.305 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

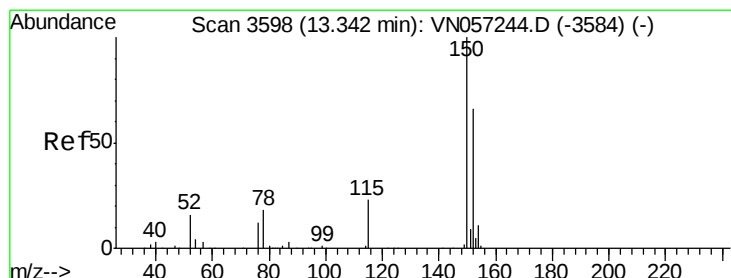
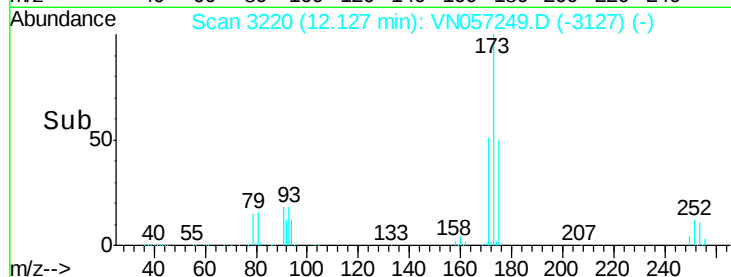
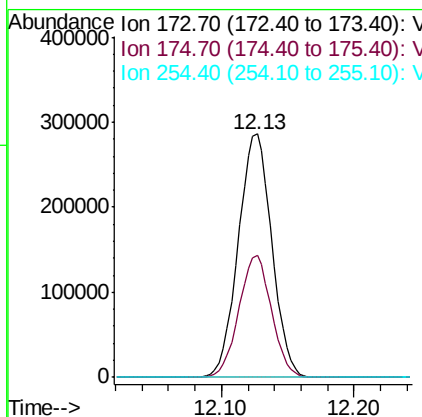
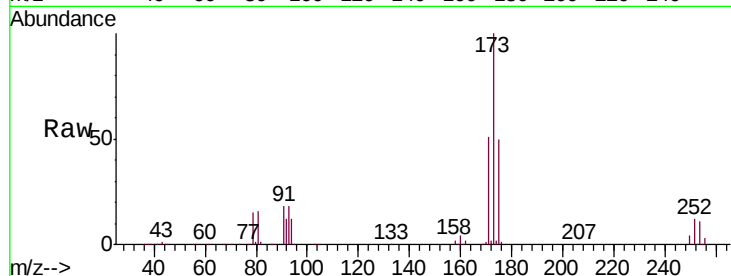
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.2
254	0.1	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

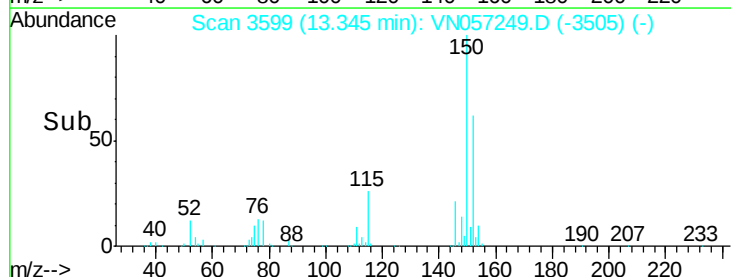
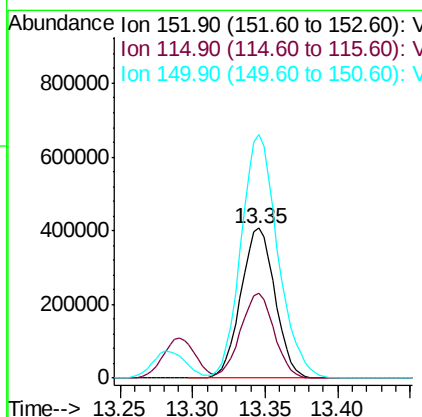
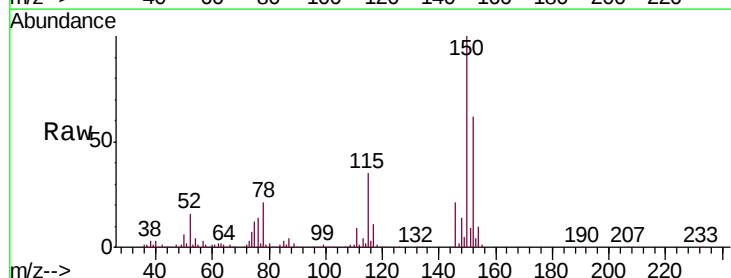
RT: 13.35 min Scan# 3599

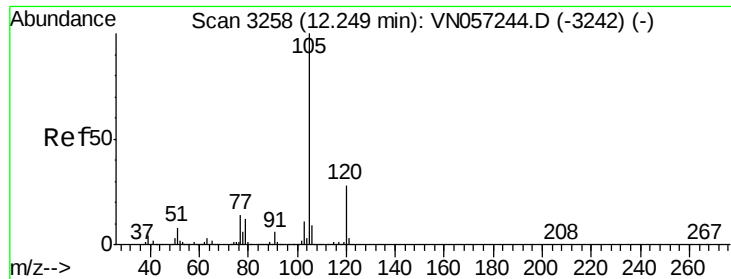
Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.6	82.8
150	174.8	0.0	348.4





#73

Isopropylbenzene

Concen: 54.929 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 2817171

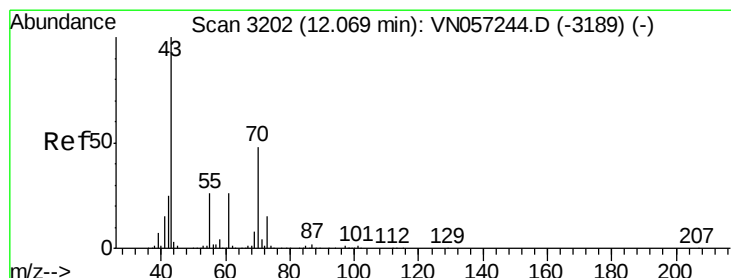
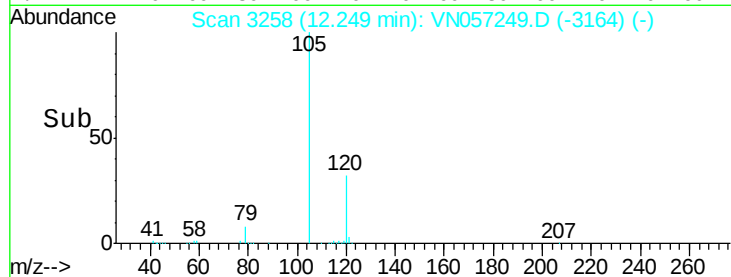
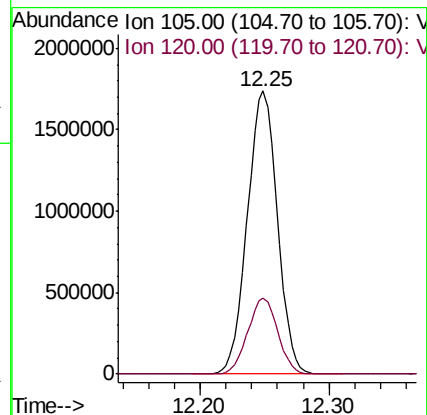
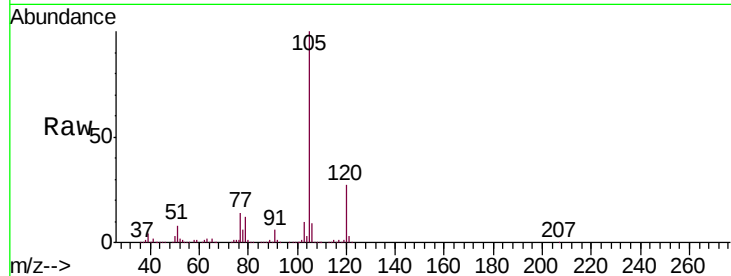
Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3

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#74

N-ethyl acetate

Concen: 53.661 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Tgt Ion: 43 Resp: 840863

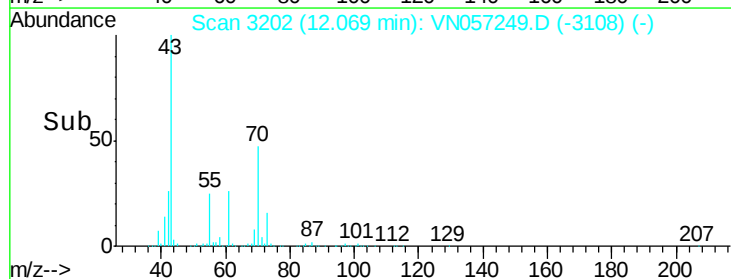
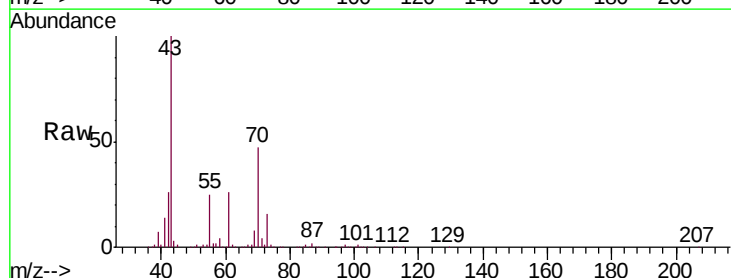
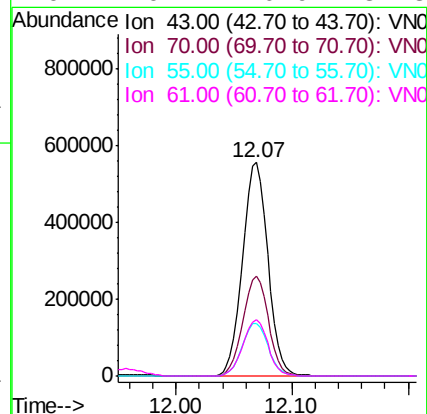
Ion Ratio Lower Upper

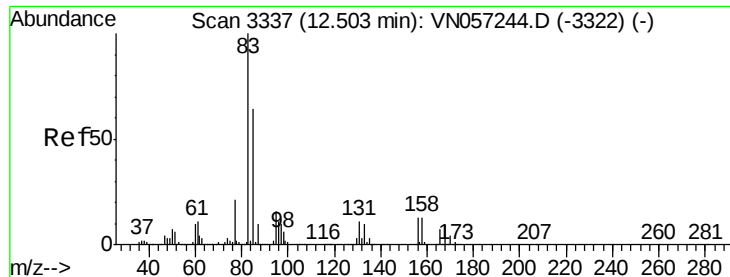
43 100

70 47.1 37.4 56.2

55 25.4 21.0 31.4

61 26.2 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 54.541 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 759636
Ion Ratio Lower Upper

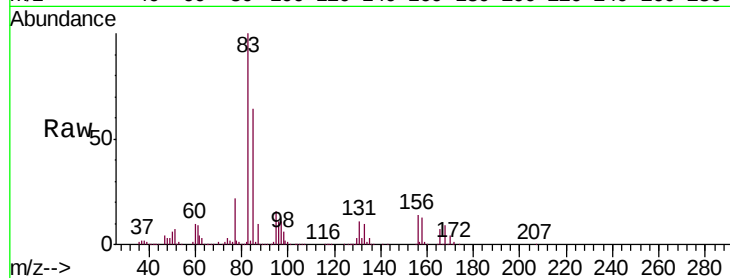
83 100

131 11.2 5.6 16.8

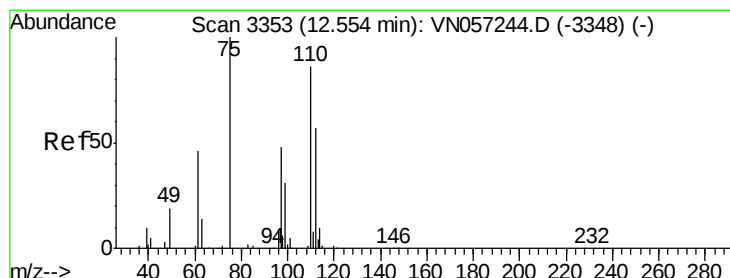
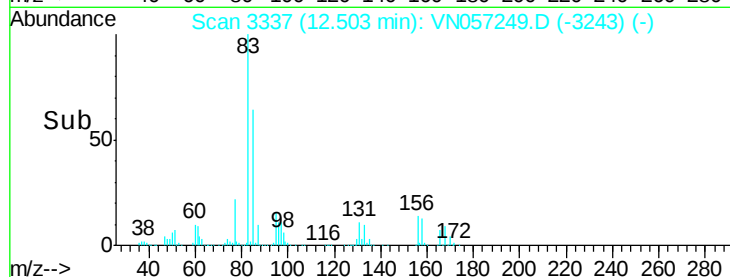
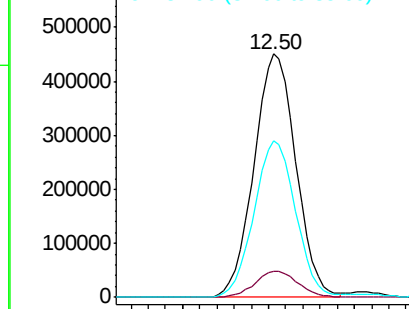
85 63.8 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VN057249.D (-3243) (-)
Ion 130.80 (130.50 to 131.50): VN057249.D (-3243) (-)
Ion 84.90 (84.60 to 85.60): VN057249.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 48.689 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

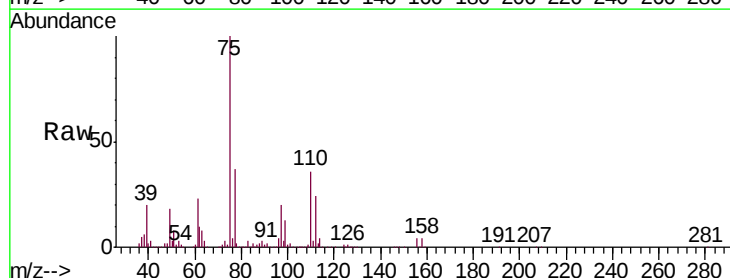
Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

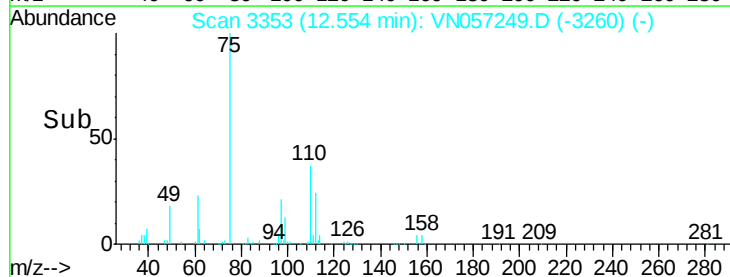
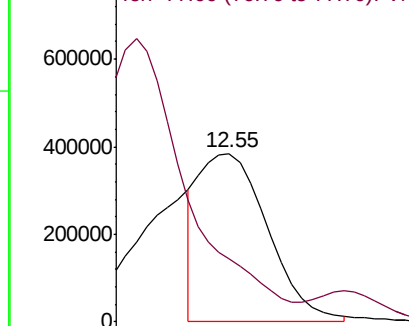
Tgt Ion: 75 Resp: 570391
Ion Ratio Lower Upper

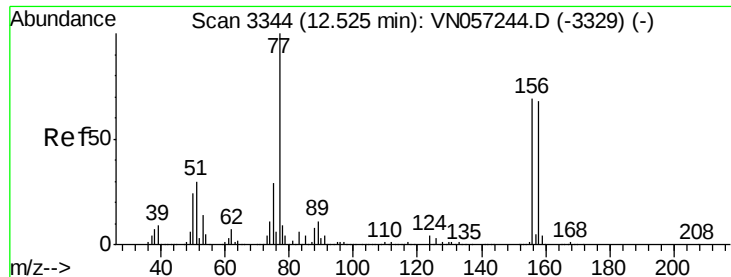
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057249.D (-3260) (-)
Ion 77.00 (76.70 to 77.70): VN057249.D (-3260) (-)





#77

Bromobenzene

Concen: 53.679 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

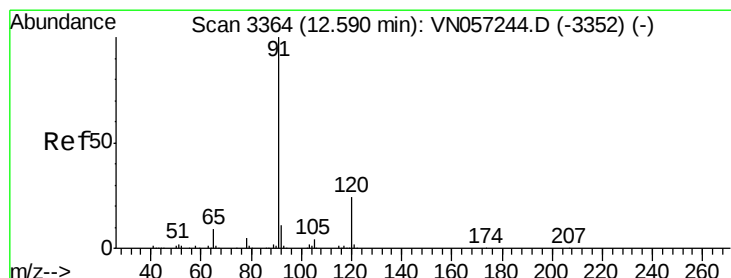
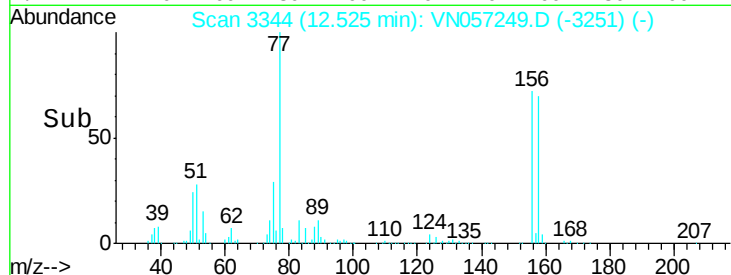
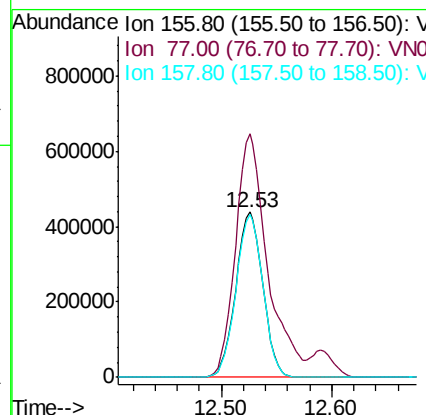
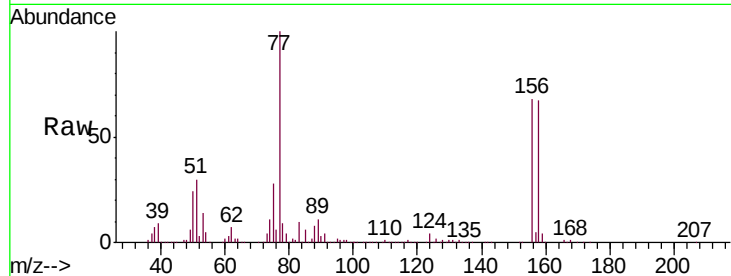
ClientSampled :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	175.5	88.0	264.1
158	98.2	49.4	148.0

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#78

n-propylbenzene

Concen: 54.283 ug/l

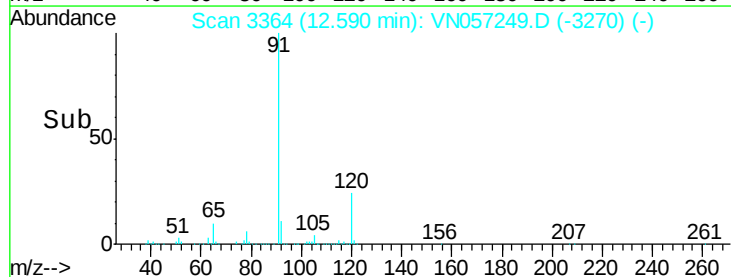
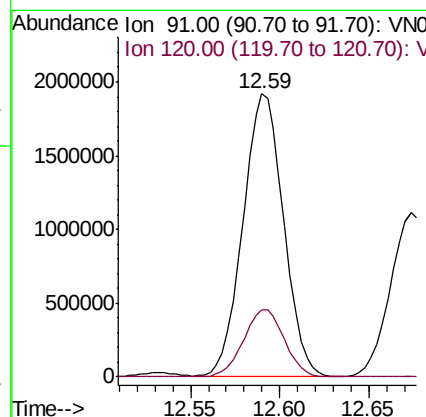
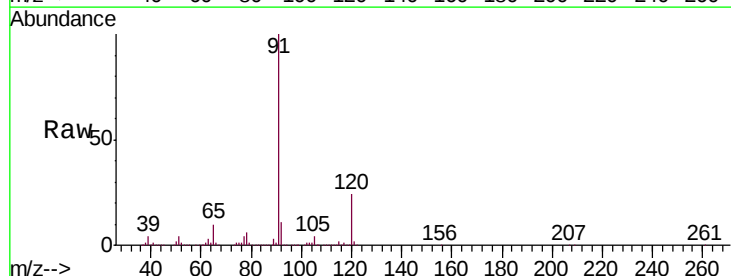
RT: 12.59 min Scan# 3364

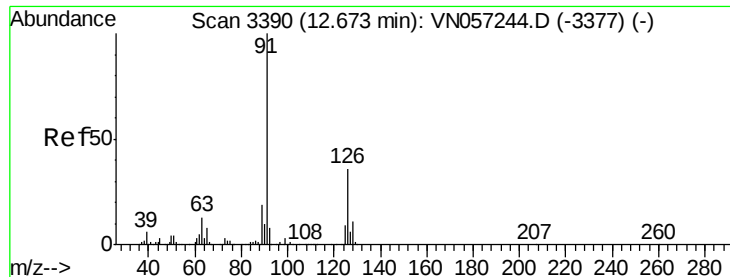
Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.1	36.3





#79

2-Chlorotoluene

Concen: 54.508 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1836809

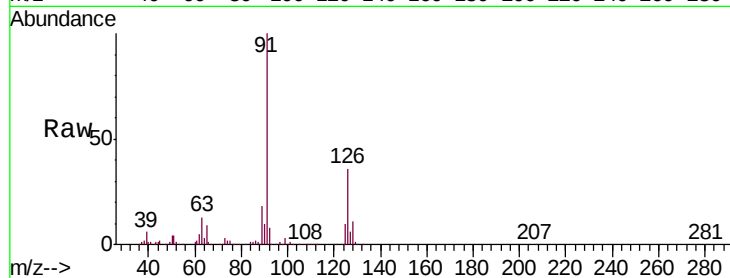
Ion Ratio Lower Upper

91 100

126 36.2 18.0 54.0

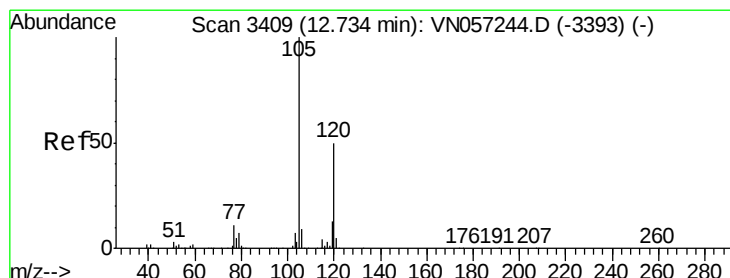
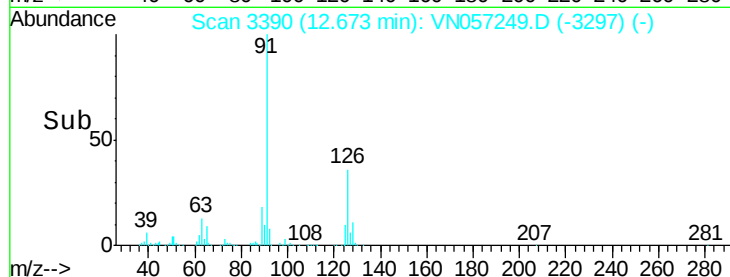
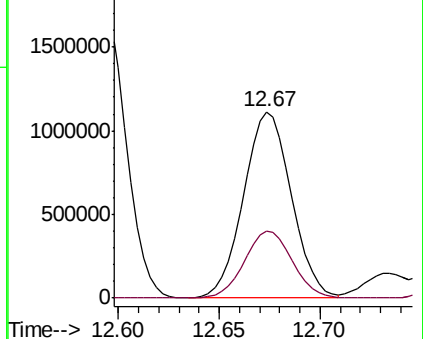
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Abundance Ion 91.00 (90.70 to 91.70): VN057249.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN057249.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.567 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057249.D

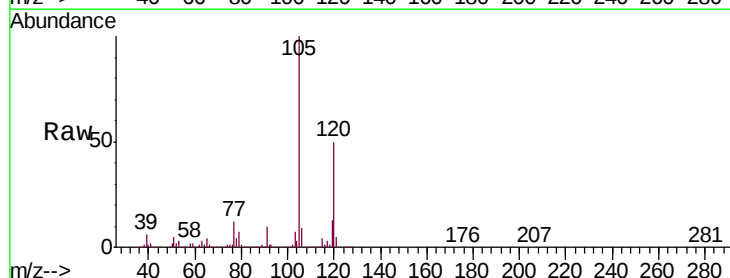
Acq: 13 Aug 2019 16:10

Tgt Ion: 105 Resp: 2375553

Ion Ratio Lower Upper

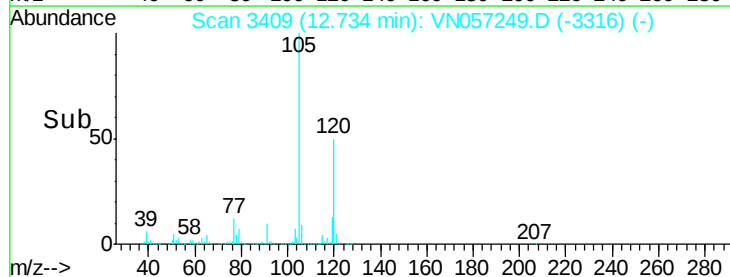
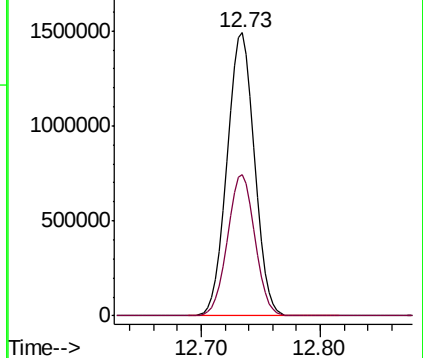
105 100

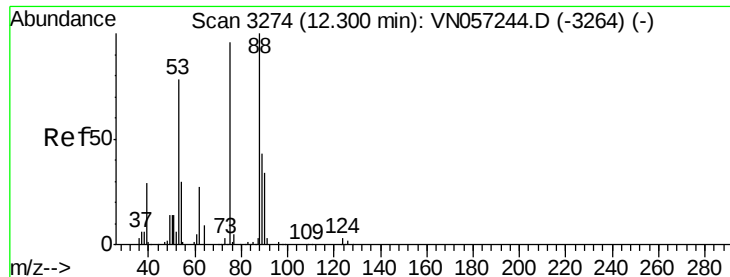
120 49.8 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VN057249.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN057249.D (-3316) (-)





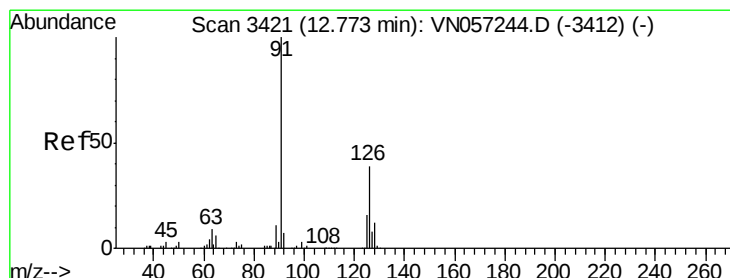
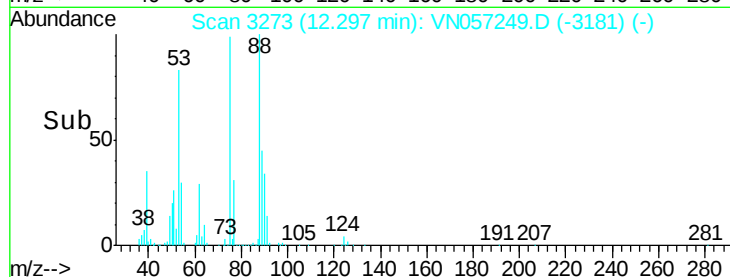
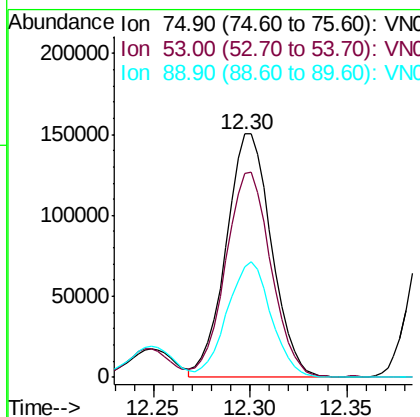
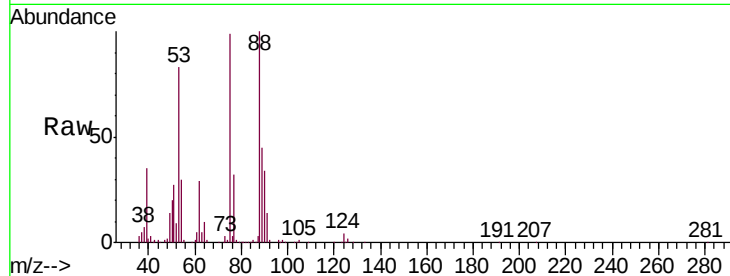
#81
trans-1,4-Dichloro-2-butene
Concen: 48.817 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	84.5	65.8	98.6
89	46.4	36.7	55.1

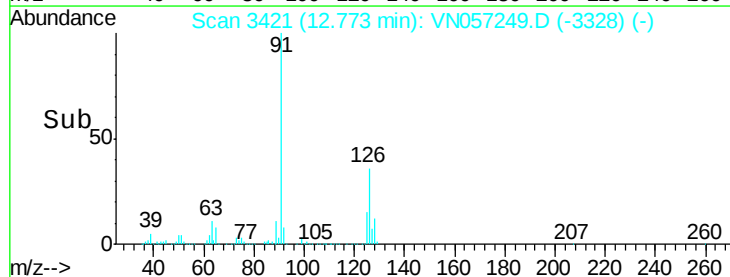
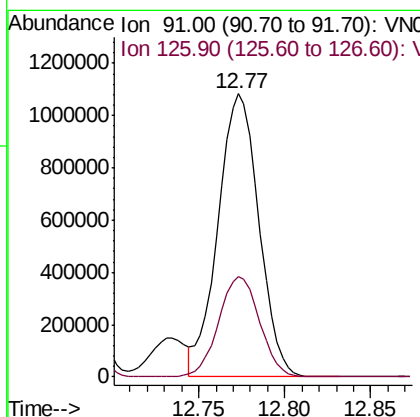
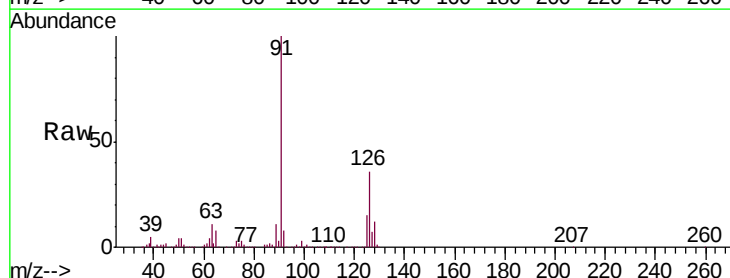
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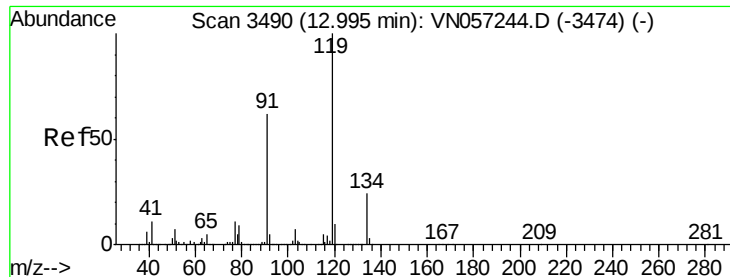
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#82
4-Chlorotoluene
Concen: 49.068 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.9	53.7





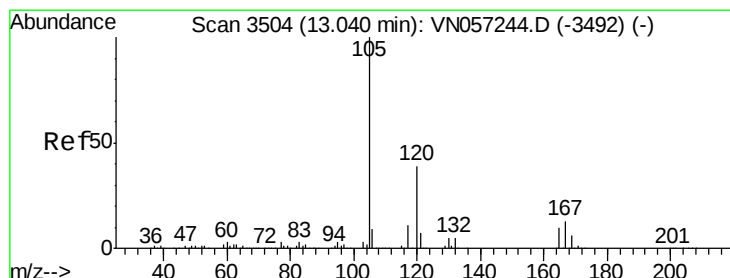
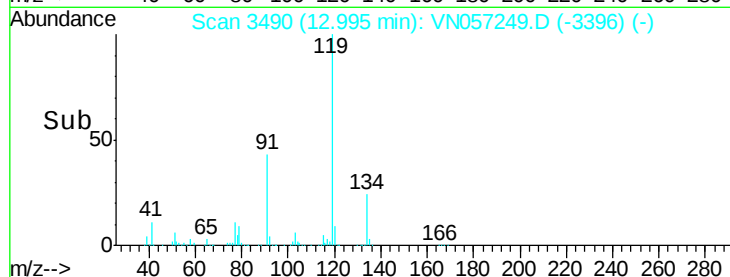
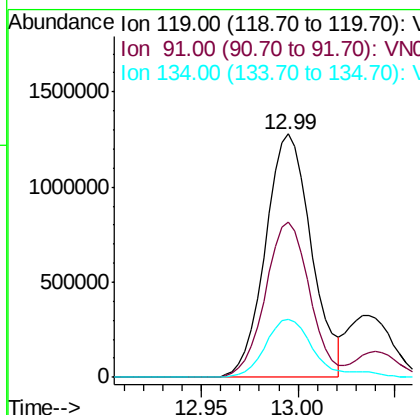
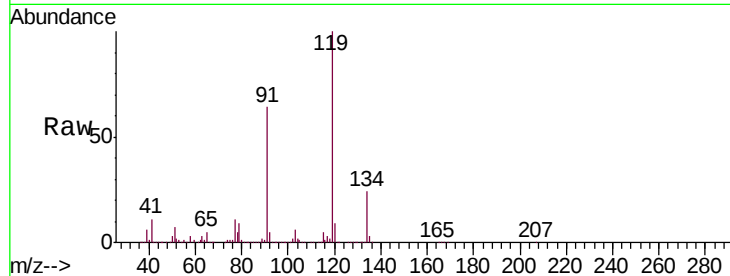
#83
 tert-Butylbenzene
 Concen: 54.786 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.8	92.3
134	25.6	12.9	38.7

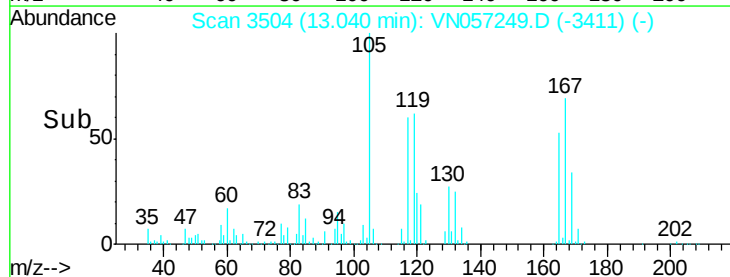
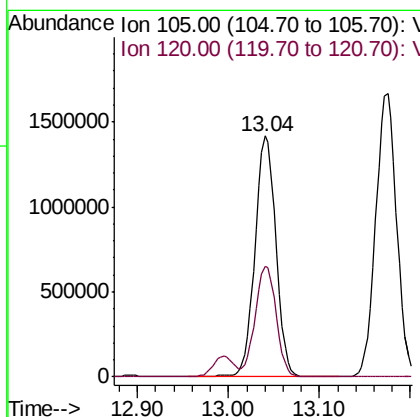
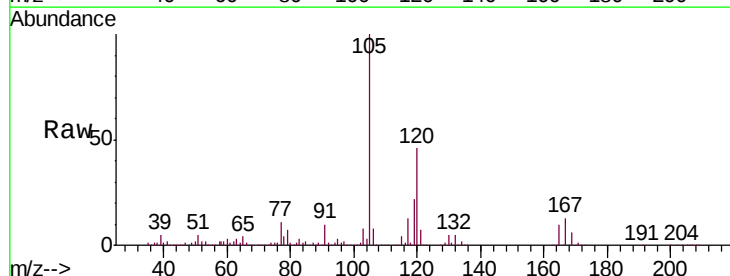
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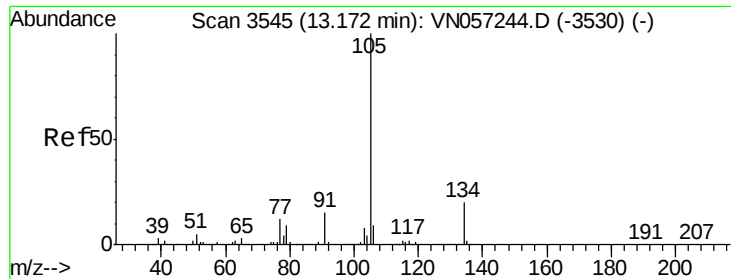
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.174 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.2	69.5





#85

sec-Butylbenzene

Concen: 54.091 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 2655698

Ion Ratio Lower Upper

105 100

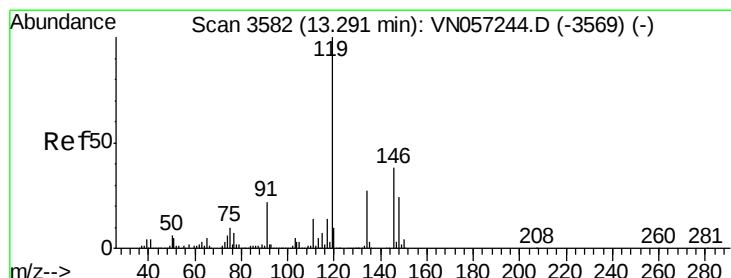
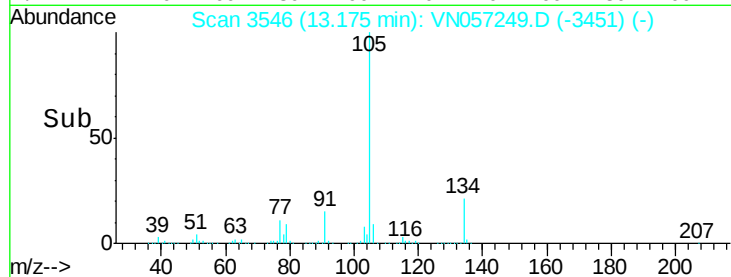
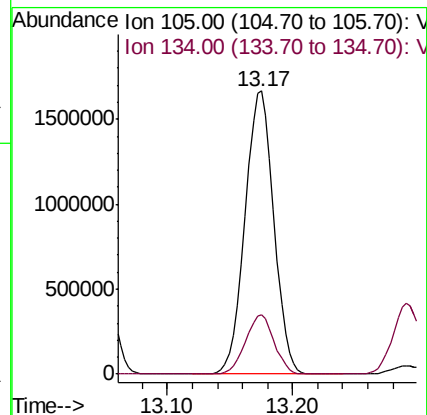
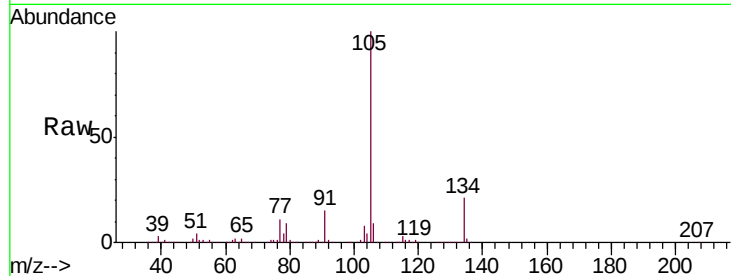
134 20.9 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 48.032 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

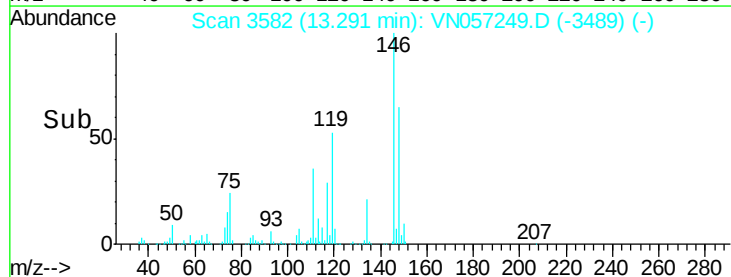
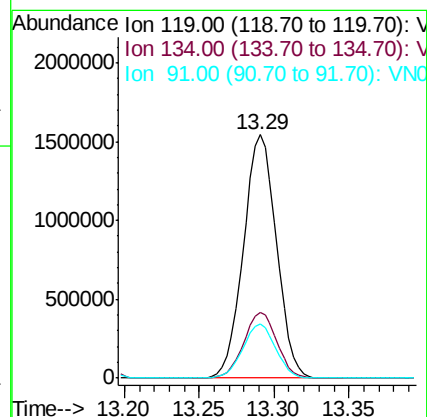
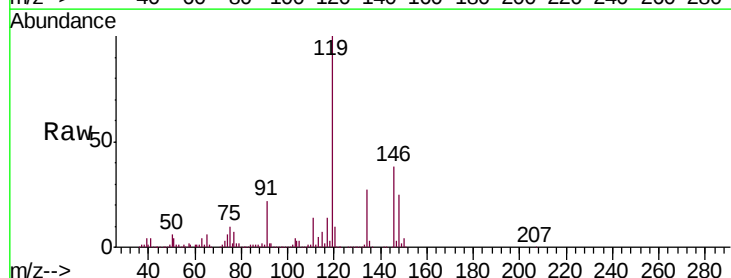
Tgt Ion:119 Resp: 2358001

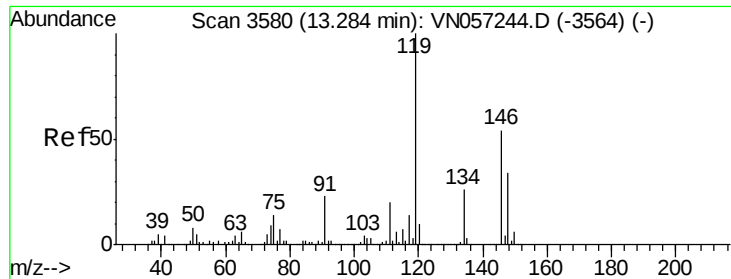
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 22.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 51.322 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 1186971

Ion Ratio Lower Upper

146 100

111 37.2 18.8 56.4

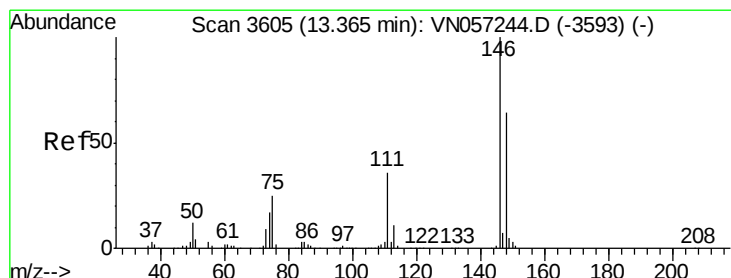
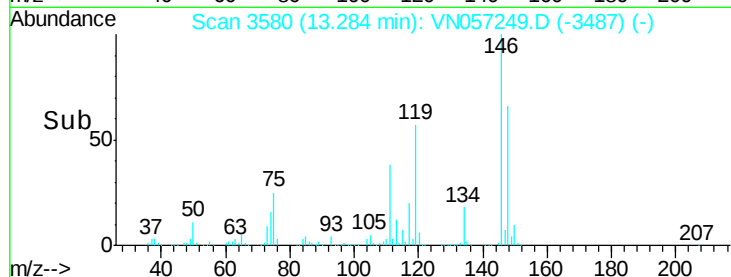
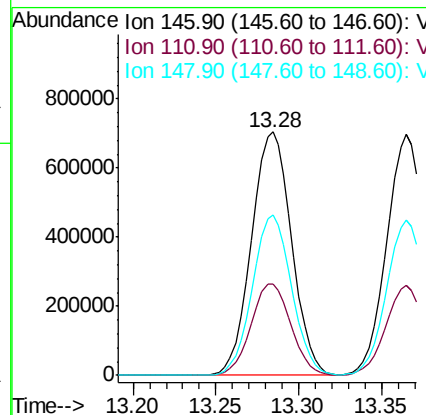
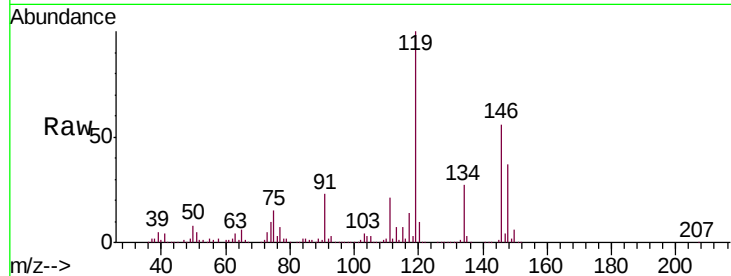
148 64.4 32.1 96.5

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#88

1,4-Dichlorobenzene

Concen: 49.830 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

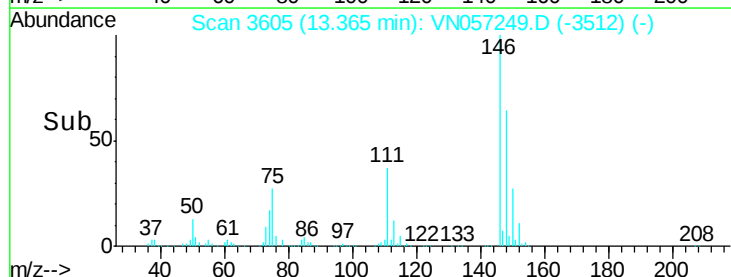
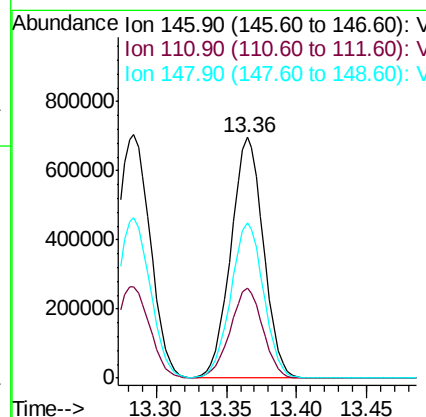
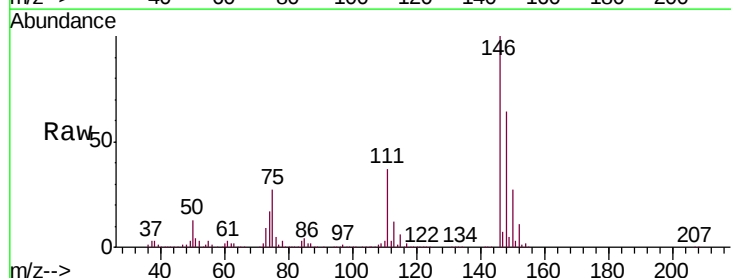
Tgt Ion:146 Resp: 1120929

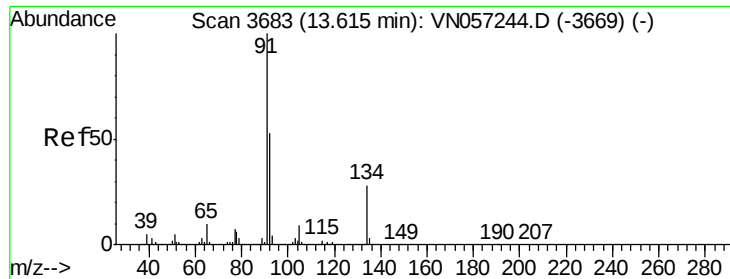
Ion Ratio Lower Upper

146 100

111 37.3 18.3 54.8

148 65.1 32.0 96.0





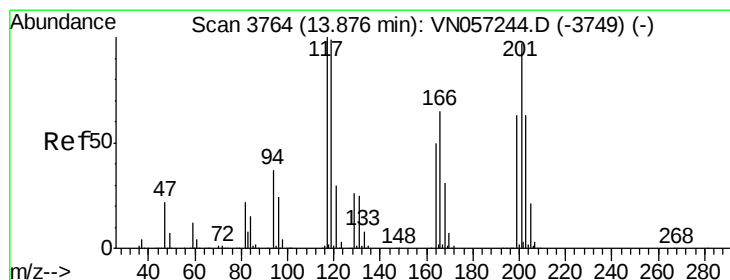
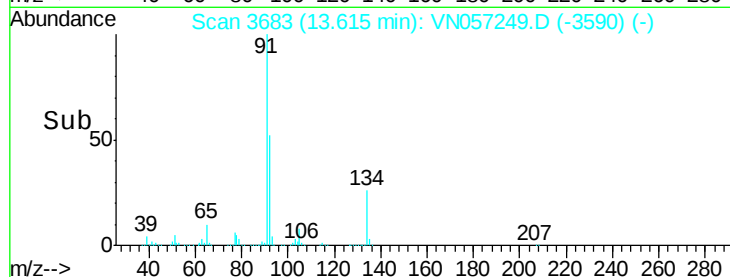
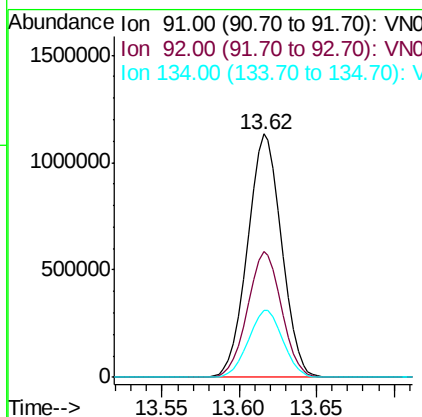
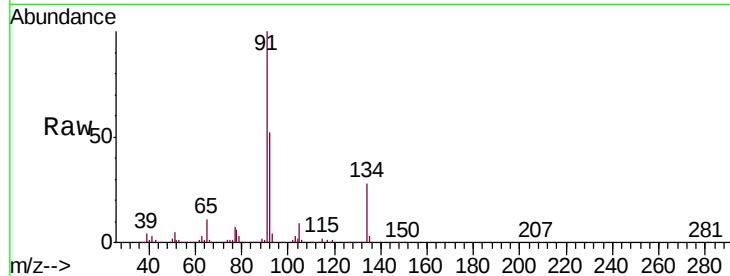
#89
n-Butylbenzene
Concen: 50.478 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1738175
Ion Ratio Lower Upper
91 100
92 51.7 26.3 78.9
134 28.0 14.1 42.3

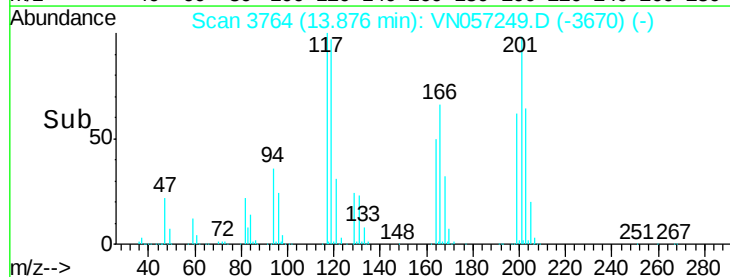
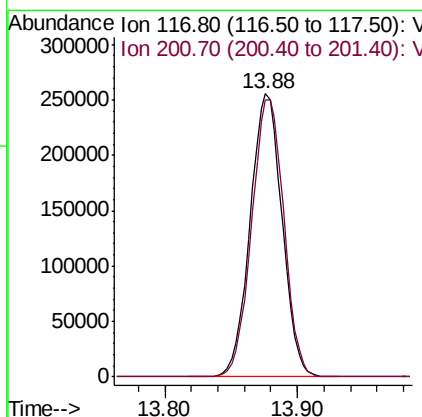
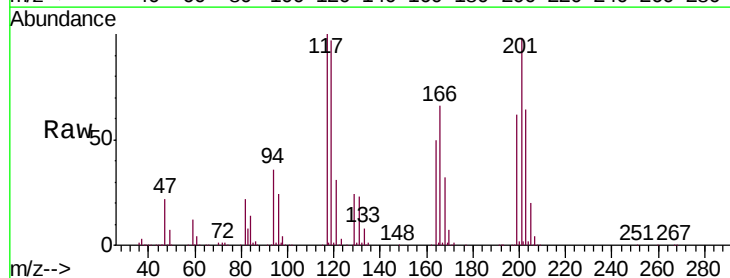
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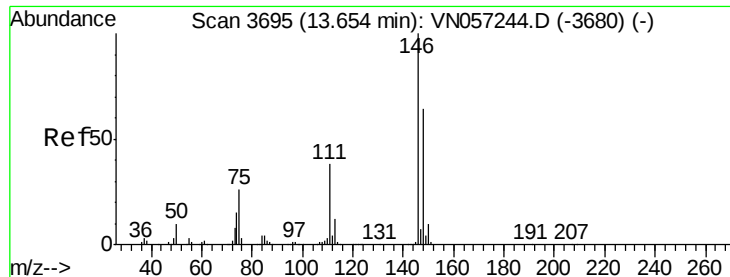
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#90
Hexachloroethane
Concen: 52.350 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion: 117 Resp: 427648
Ion Ratio Lower Upper
117 100
201 98.9 49.5 148.5





#91

1,2-Dichlorobenzene

Concen: 51.881 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 1169889

Ion Ratio Lower Upper

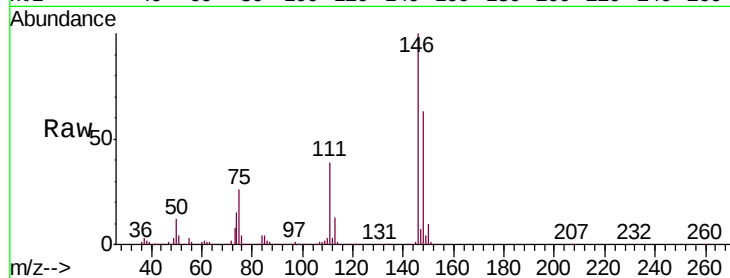
146 100

111 38.6 19.3 57.9

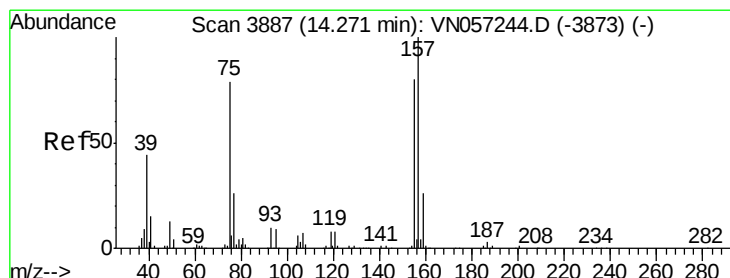
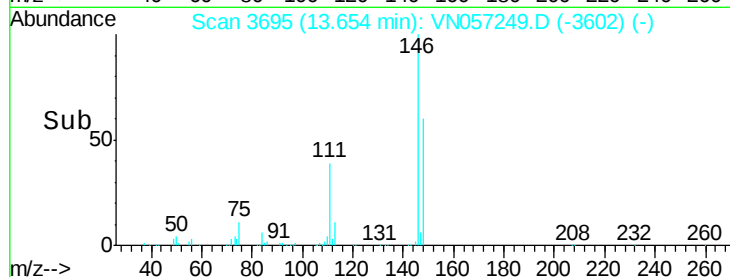
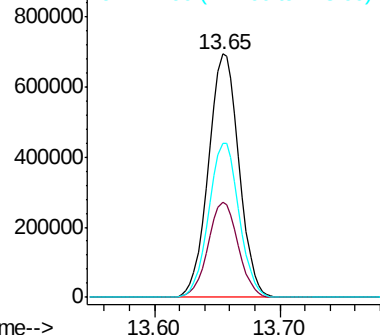
148 63.1 31.9 95.5

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.872 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN057249.D

Acq: 13 Aug 2019 16:10

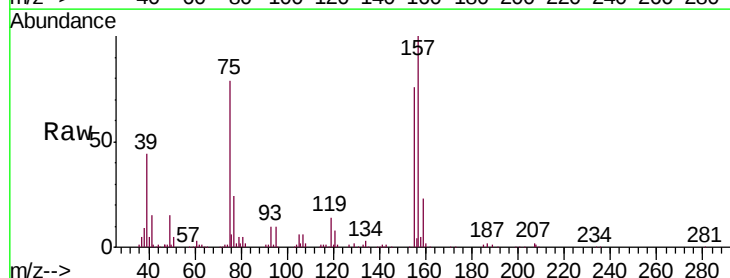
Tgt Ion: 75 Resp: 120138

Ion Ratio Lower Upper

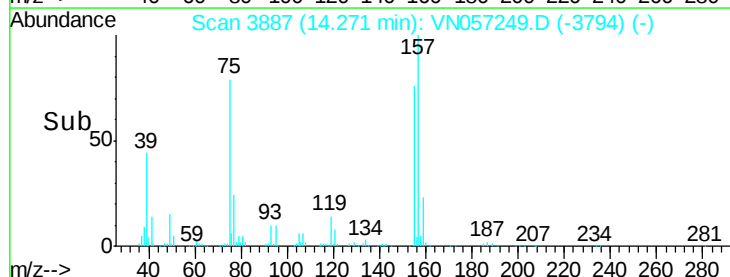
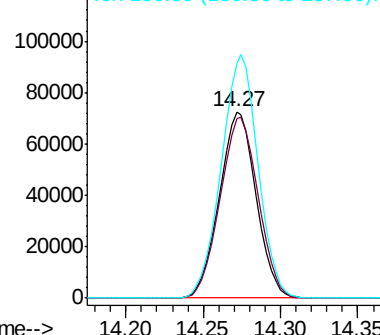
75 100

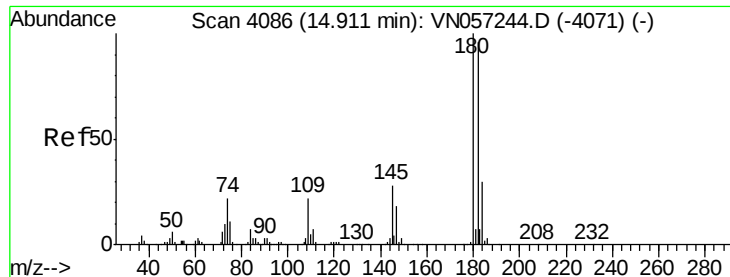
155 100.2 50.3 151.0

157 130.3 65.3 195.9



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





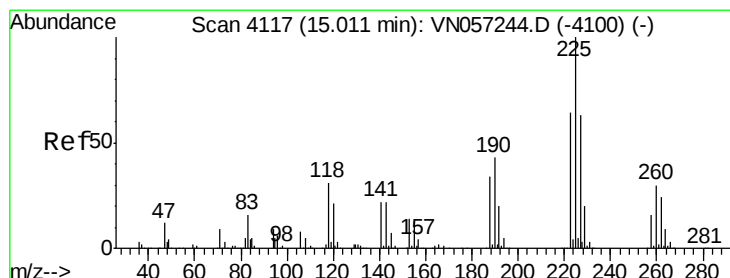
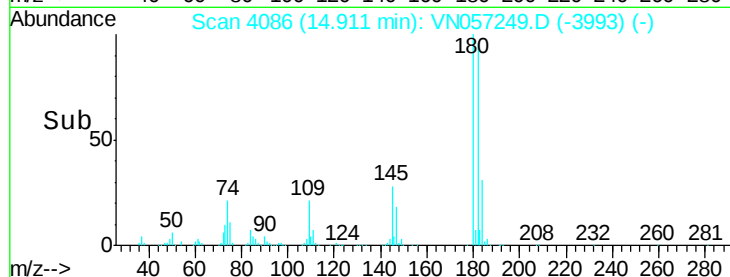
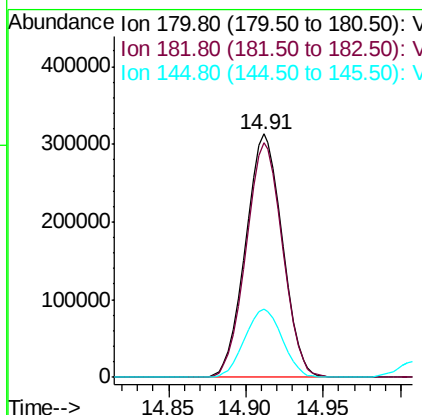
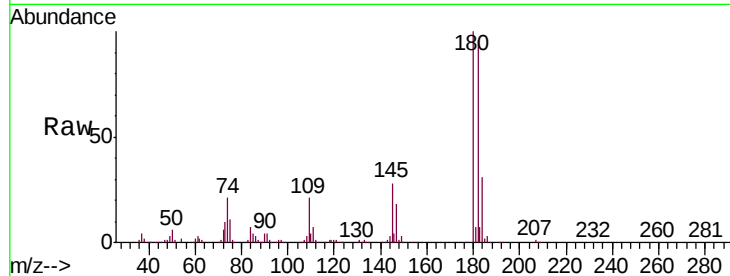
#93
 1,2,4-Trichlorobenzene
 Concen: 58.412 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	518447		
182	95.5	47.7	143.1	
145	28.8	14.2	42.6	

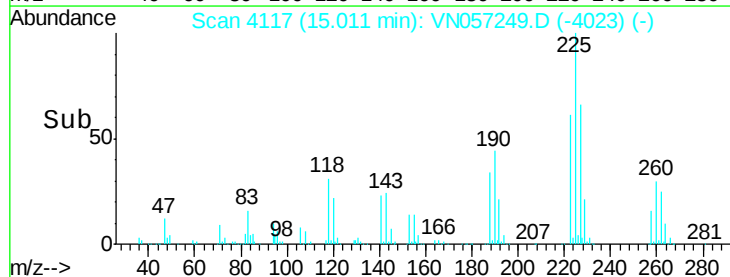
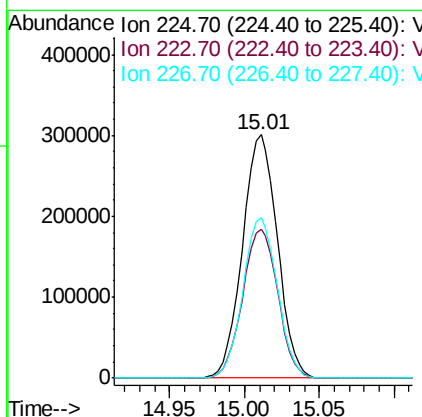
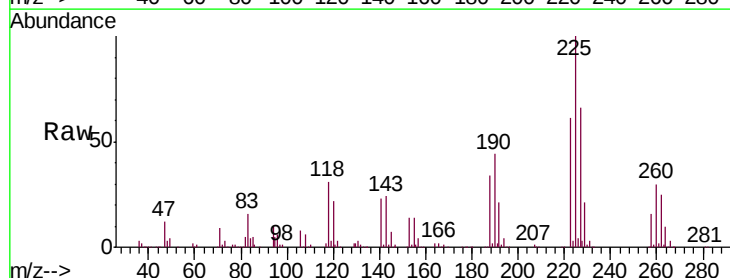
Manual Integrations
 APPROVED

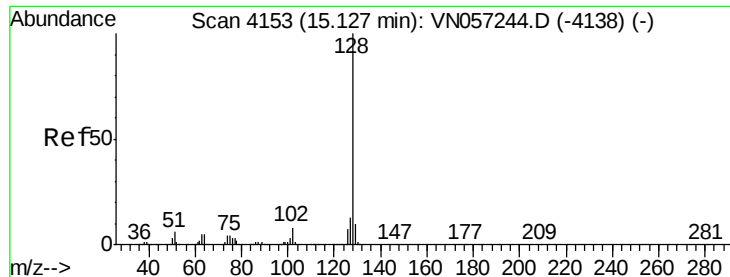
MMDadoda
 8/22/2019 9:48:51 AM



#94
 Hexachlorobutadiene
 Concen: 57.525 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057249.D
 Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	489340		
223	61.6	31.4	94.2	
227	64.9	31.4	94.3	





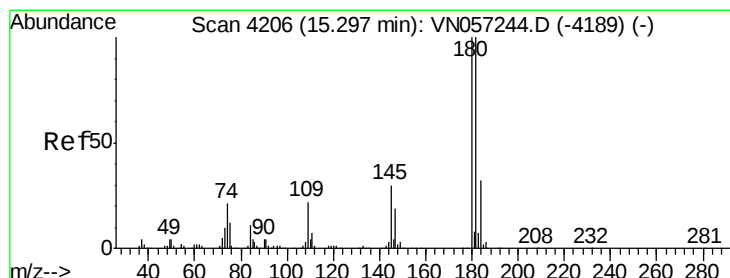
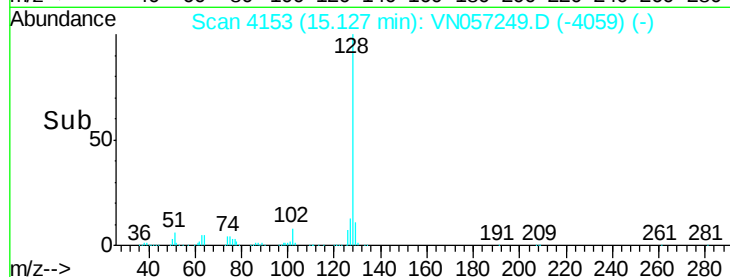
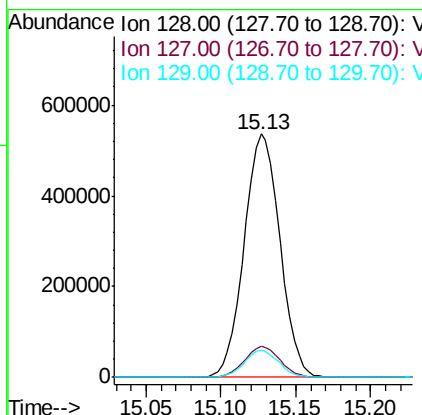
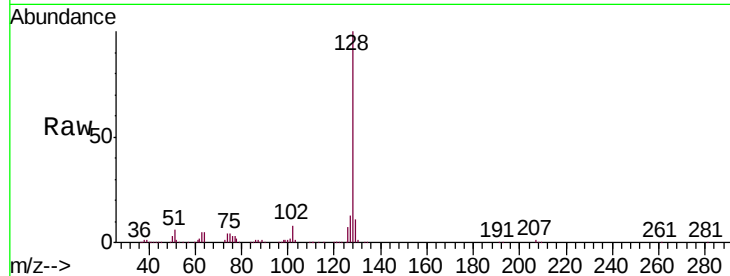
#95
Naphthalene
Concen: 60.483 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	892186		
127	12.6	10.4	15.6	
129	10.8	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
8/22/2019 9:48:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 61.401 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057249.D
Acq: 13 Aug 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	493037		
182	94.6	48.9	146.7	
145	29.9	15.0	45.1	

