

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033811.D
 Acq On : 28 May 2019 19:13
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 5/29/2019 12:40:36 PM

Quant Time: May 29 08:52:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	904757	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2310899	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2360203m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1810936	9.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1573642	8.253	ppbv	100
3) Chlorodifluoromethane	3.01	51	988272	9.536	ppbv	99
4) Chloromethane	3.17	50	594241	10.025	ppbv	98
5) Vinyl Chloride	3.29	62	592169	9.807	ppbv	99
6) Bromomethane	3.51	94	369779	10.037	ppbv	99
7) Chloroethane	3.60	64	216979	10.111	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1482201	9.642	ppbv	98
9) Propene	3.03	41	469028	10.640	ppbv	99
10) Heptane	8.24	43	1222060	9.790	ppbv	100
11) Trichlorofluoromethane	4.00	101	1634740	8.983	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1144888	9.009	ppbv	98
13) Ethanol	3.65	45	76796	5.390	ppbv	99
14) Bromoethene	3.78	108	488698	10.460	ppbv	98
15) Acetone	3.90	43	1037162	8.262	ppbv	98
16) 1,3-Butadiene	3.36	39	518258	10.367	ppbv	99
17) tert-Butyl alcohol	4.35	59	905964	8.925	ppbv	100
18) 1,1-Dichloroethene	4.35	96	505400	9.422	ppbv	98
19) Isopropyl Alcohol	4.02	45	614599	7.593	ppbv	99
20) Methylene Chloride	4.40	84	427745	8.850	ppbv	97
21) Allyl Chloride	4.47	41	727066	9.286	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	509694	9.271	ppbv	96
23) Vinyl Acetate	5.15	43	1734669	10.481	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1199053	9.530	ppbv	99
25) Ethyl Acetate	5.76	43	2136831	9.690	ppbv	99
26) Hexane	5.78	57	958202	10.108	ppbv	98
27) Carbon Disulfide	4.62	76	1247921	9.595	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1626380	10.524	ppbv	100
29) Chloroform	5.85	83	1595844	9.139	ppbv	98
30) Cyclohexane	7.24	84	843550	10.584	ppbv	97
31) cis-1,2-Dichloroethene	5.64	61	969534	10.315	ppbv	94
32) 1,1,1-Trichloroethane	6.62	97	1610363	9.236	ppbv	99
34) 2-Butanone	5.33	43	1392371	9.721	ppbv	99
35) Carbon Tetrachloride	7.13	117	1690883	9.134	ppbv	98
36) Benzene	7.00	78	1963808	9.342	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1173771	8.656	ppbv	99
38) Trichloroethene	7.96	130	870592	11.161	ppbv	98
39) 1,2-Dichloropropane	7.73	63	800095	10.209	ppbv	96
40) 1,4-Dioxane	7.95	88	286553	8.740	ppbv	# 99
41) Tetrahydrofuran	6.14	42	780057	9.720	ppbv	98
42) Bromodichloromethane	7.91	83	1855935	9.997	ppbv	97
43) Methyl Methacrylate	8.13	69	814945	10.534	ppbv	98

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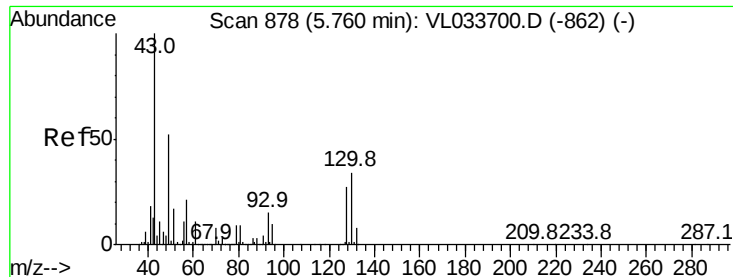
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3519778	9.907	ppbv	100
45) t-1,3-Dichloropropene	9.41	75	1050164	10.708	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1199169	10.442	ppbv	95
47) 1,1,2-Trichloroethane	9.61	97	844803	9.489	ppbv	98
48) Dibromochloromethane	10.45	129	1468700	9.520	ppbv	99
49) Bromoform	13.20	173	1450167	11.172	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2087434	9.474	ppbv	99
51) 2-Hexanone	10.26	43	1706474	9.924	ppbv	99
52) Tetrachloroethene	11.37	164	763022	10.326	ppbv	98
53) Toluene	9.94	91	2334744	10.297	ppbv	100
54) 1,2-Dibromoethane	10.75	107	1306555	9.616	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1006922	9.220	ppbv	96
57) Chlorobenzene	12.30	112	1787047	9.198	ppbv	98
58) Ethyl Benzene	12.86	91	3271846	10.468	ppbv	100
59) m/p-Xylene	13.15	91	5684312m	20.805	ppbv	
60) o-Xylene	13.85	91	2718089	9.869	ppbv	99
61) Styrene	13.68	104	2084897	11.243	ppbv	99
62) Isopropylbenzene	14.82	105	3619852	9.759	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1901277	9.493	ppbv	99
64) n-propylbenzene	15.72	120	964523	10.053	ppbv	97
65) tert-Butylbenzene	16.90	119	3368257	9.946	ppbv	99
66) Benzyl Chloride	17.15	91	1720390	10.666	ppbv	100
67) sec-Butylbenzene	17.45	105	4679971	9.874	ppbv	100
69) p-Isopropyltoluene	17.81	119	3924044	10.016	ppbv	100
70) n-Butylbenzene	18.71	91	4216523	10.036	ppbv	100
71) 2-Chlorotoluene	15.61	91	2746552	9.981	ppbv	99
72) 4-Ethyltoluene	15.99	105	3222155	10.232	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3056792	9.949	ppbv	100
74) 1,2,4-Trimethylbenzene	16.92	105	3203687	9.581	ppbv	97
75) 1,3-Dichlorobenzene	17.16	146	1879531	9.173	ppbv	99
76) 1,4-Dichlorobenzene	17.30	146	1877433	9.640	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1811073	9.406	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1032230	7.091	ppbv	99
79) Naphthalene	22.41	128	2594551	8.354	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	947258	8.027	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	1489924	8.192	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

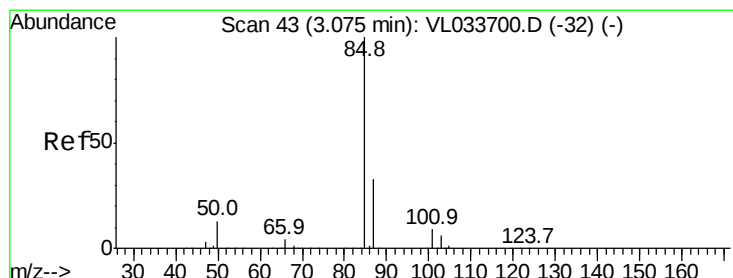
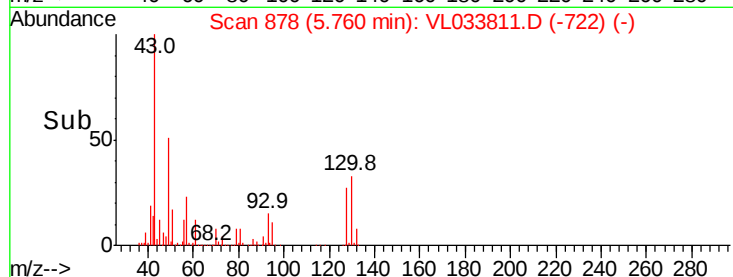
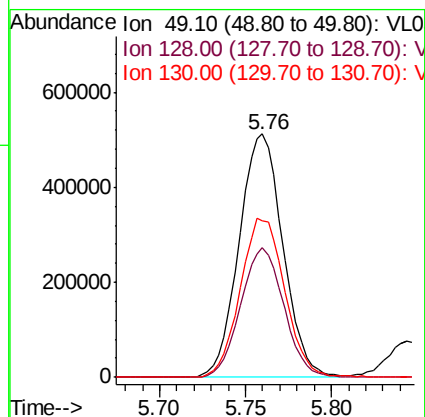
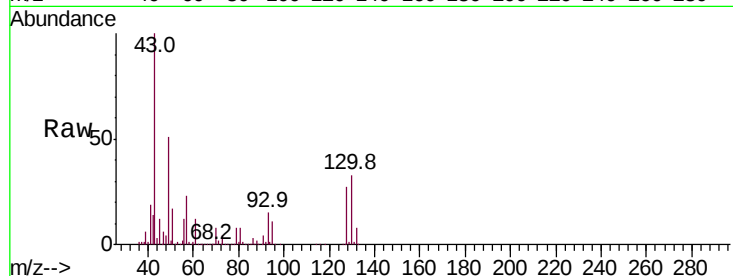
ClientSampleId :

VSTDCCC010

Tot Ion:	49	Resp:	904757
Ion Ratio	Lower	Upper	
49	100		
128	52.7	25.2	75.6
130	66.7	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 8.253 ppbv

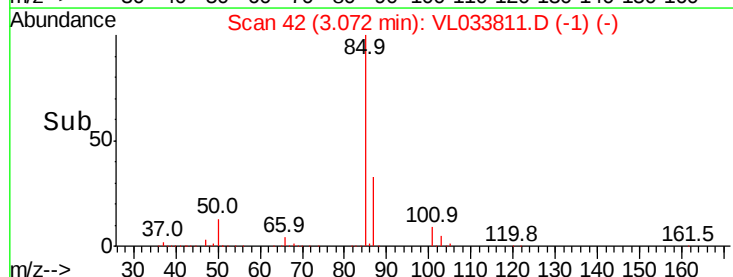
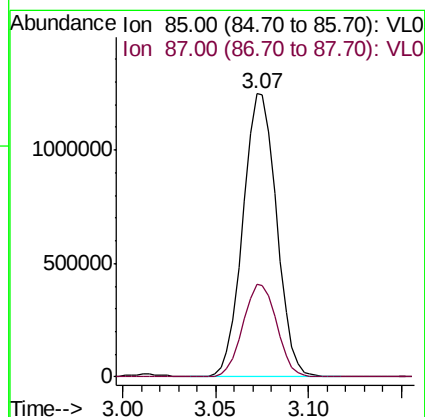
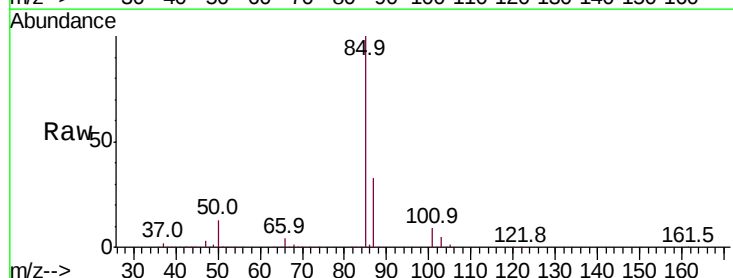
RT: 3.07 min Scan# 42

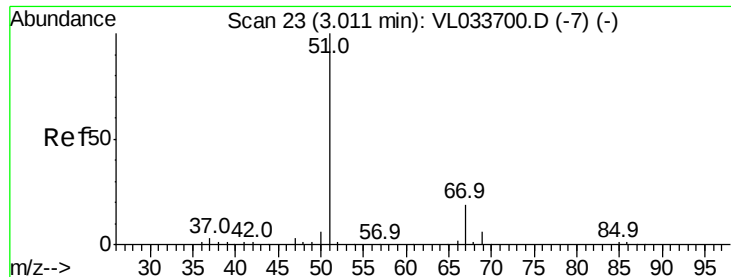
Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Tgt Ion:	85	Resp:	1573642
Ion Ratio	Lower	Upper	
85	100		
87	32.9	26.3	39.5





#3

Chlorodifluoromethane

Concen: 9.536 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 988272

Ion Ratio Lower Upper

51 100

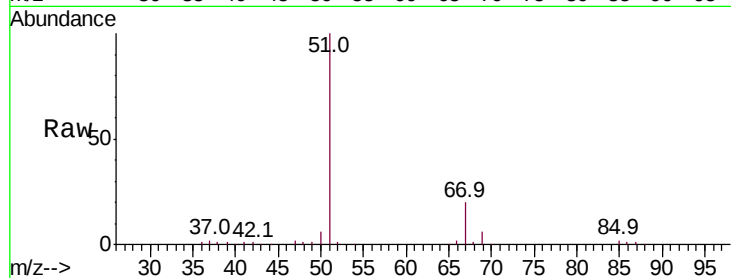
67 18.8 15.6 23.4

Manual Integrations

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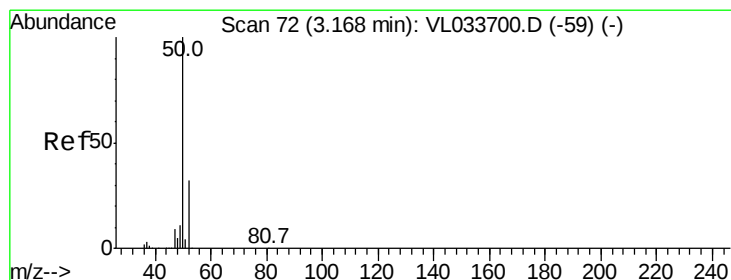
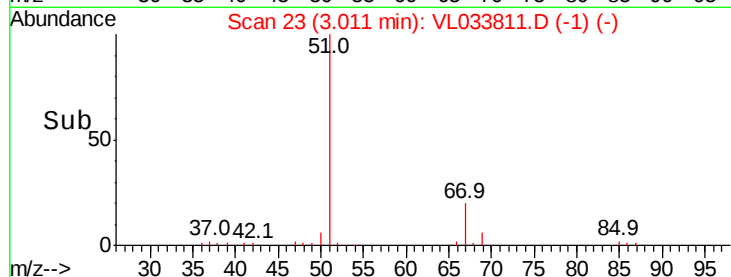
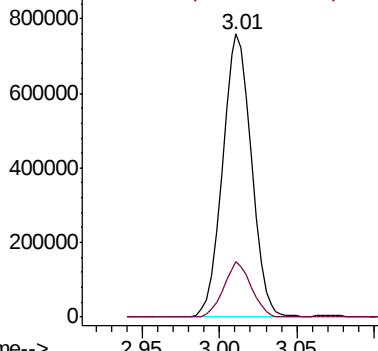
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.025 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033811.D

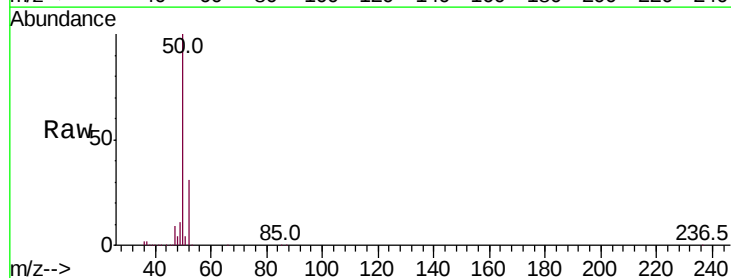
Acq: 28 May 2019 19:13

Tgt Ion: 50 Resp: 594241

Ion Ratio Lower Upper

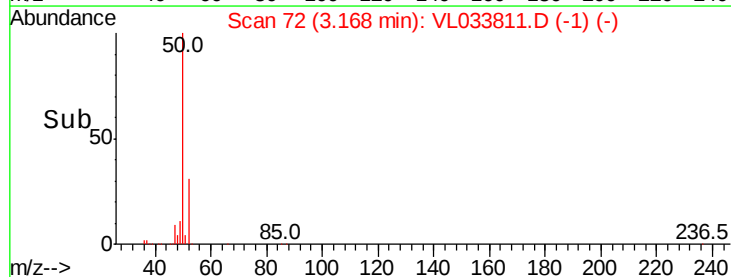
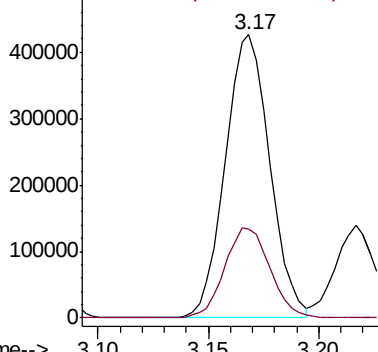
50 100

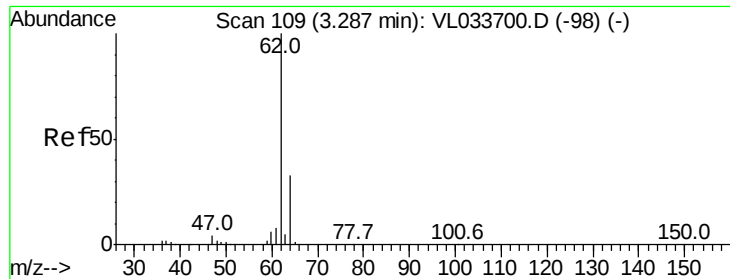
52 31.2 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.807 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 592169

Ion Ratio Lower Upper

62 100

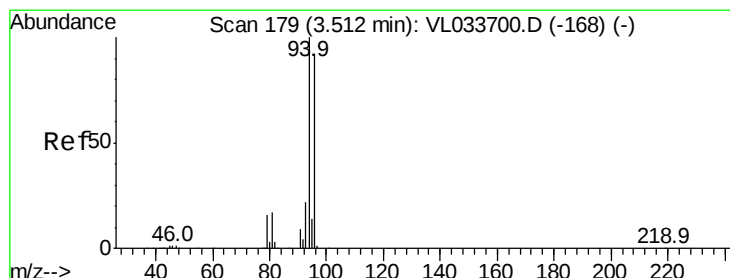
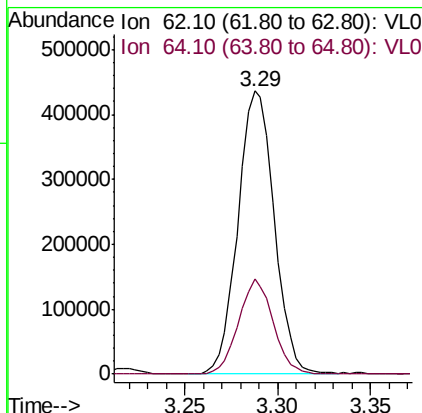
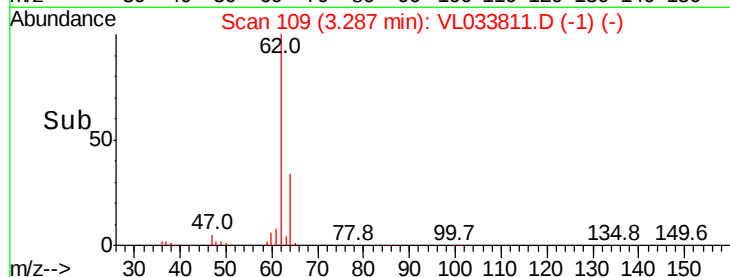
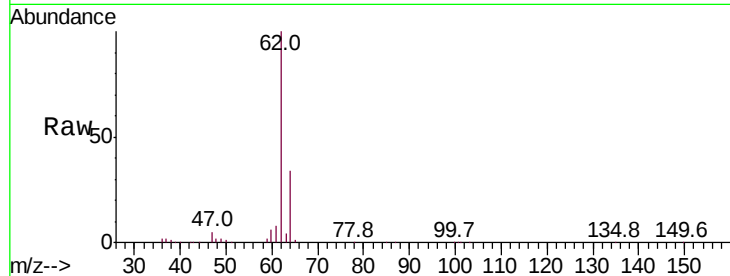
64 33.8 26.4 39.6

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#6

Bromomethane

Concen: 10.037 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033811.D

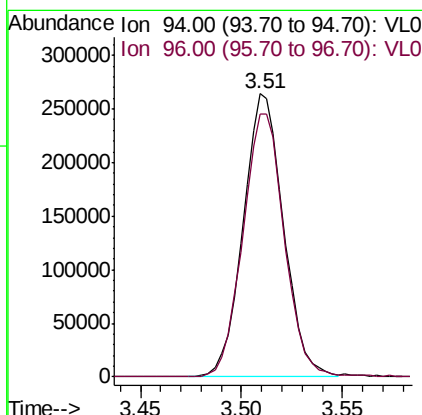
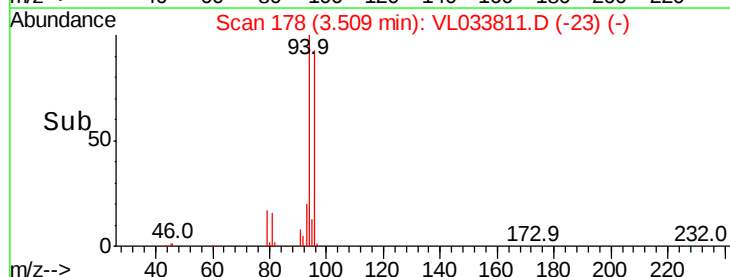
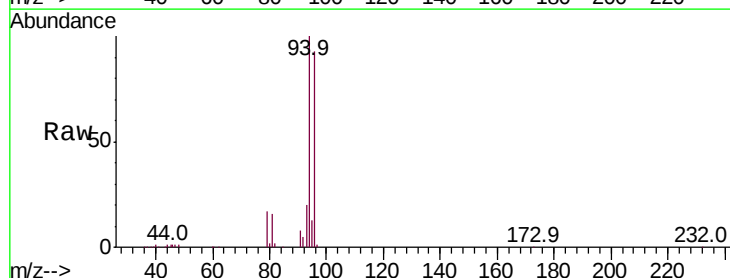
Acq: 28 May 2019 19:13

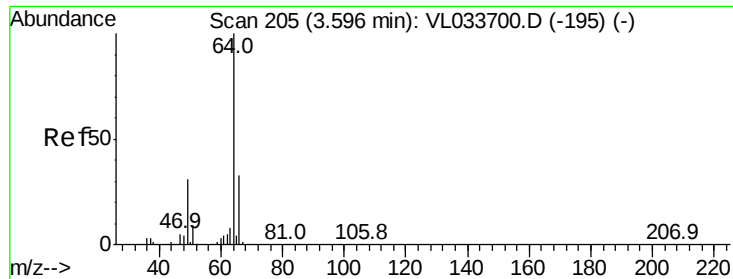
Tgt Ion: 94 Resp: 369779

Ion Ratio Lower Upper

94 100

96 92.9 73.6 110.4





#7

Chloroethane

Concen: 10.111 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 216979

Ion Ratio Lower Upper

64 100

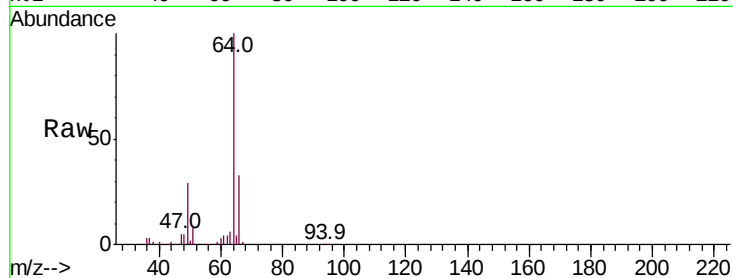
66 32.5 26.6 40.0

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

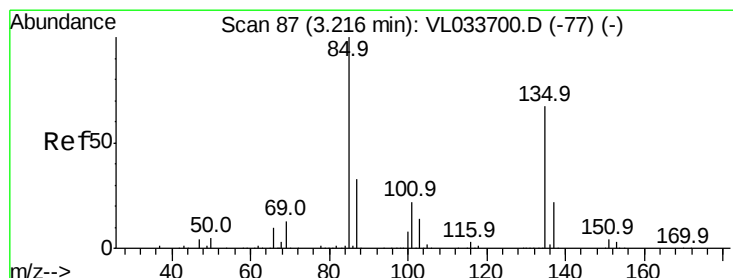
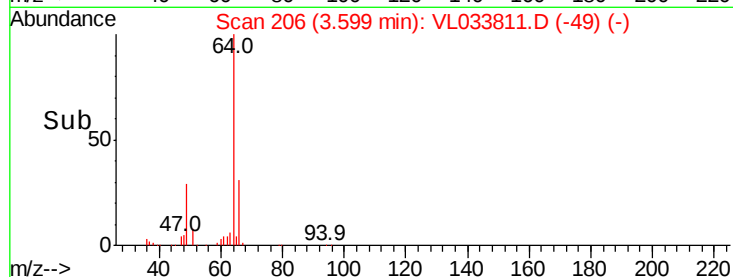
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.642 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033811.D

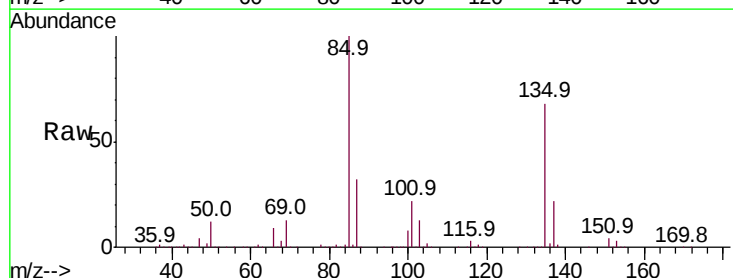
Acq: 28 May 2019 19:13

Tgt Ion: 85 Resp: 1482201

Ion Ratio Lower Upper

85 100

135 69.5 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

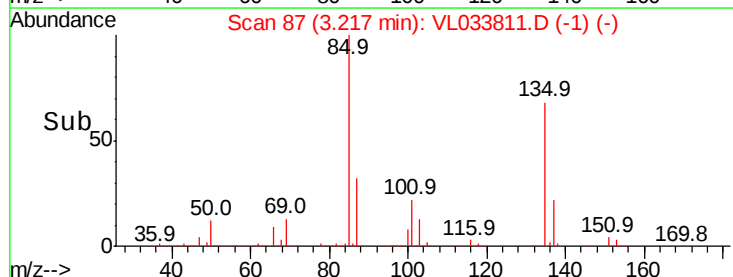
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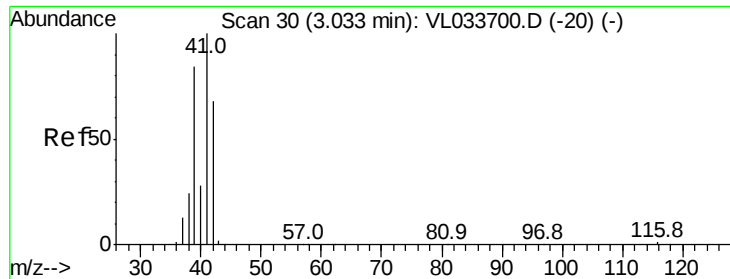
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500000

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Time-->





#9

Propene

Concen: 10.640 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 469028

Ion Ratio Lower Upper

41 100

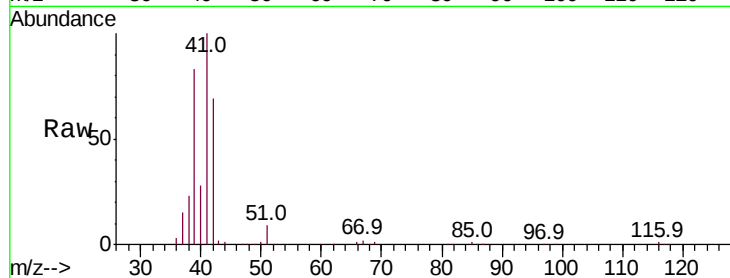
42 68.9 56.1 84.1

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.03

400000

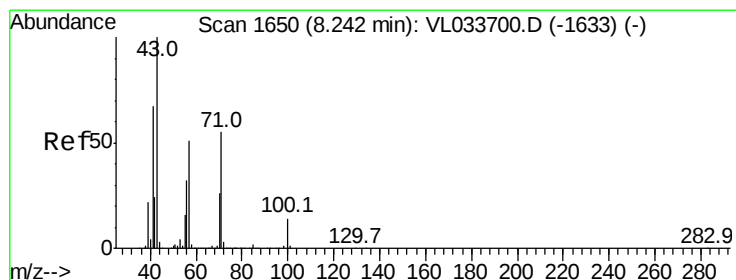
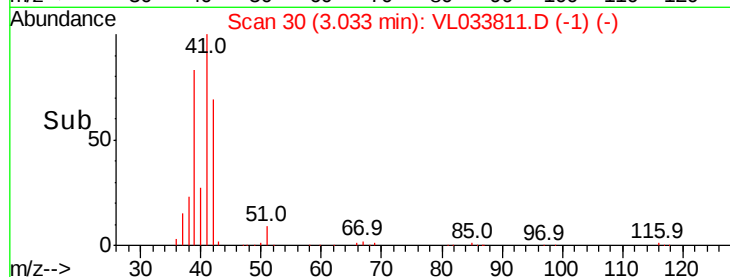
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200000

100000

0

Time-->



#10

Heptane

Concen: 9.790 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033811.D

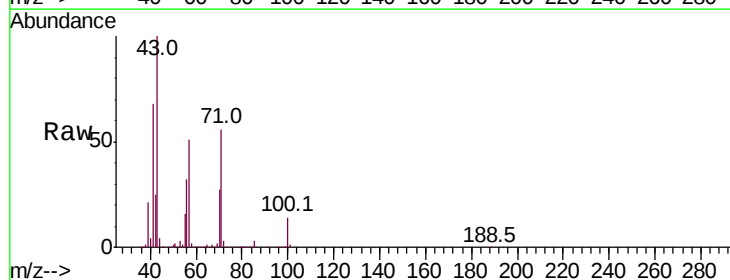
Acq: 28 May 2019 19:13

Tgt Ion: 43 Resp: 1222060

Ion Ratio Lower Upper

43 100

57 51.6 41.4 62.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.24

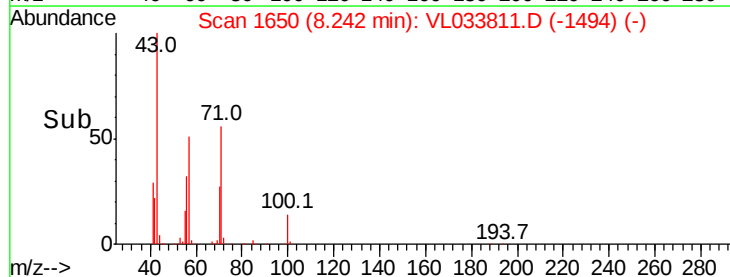
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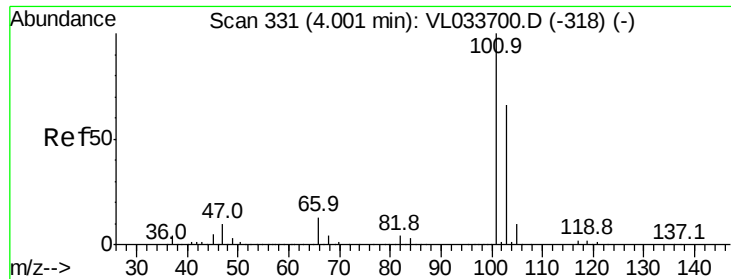
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200000

0

Time-->





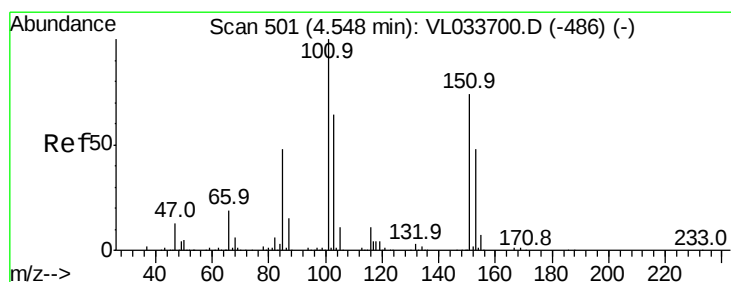
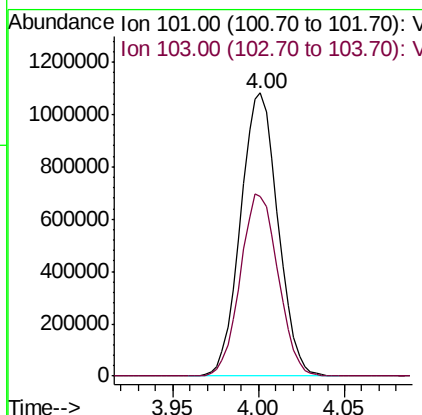
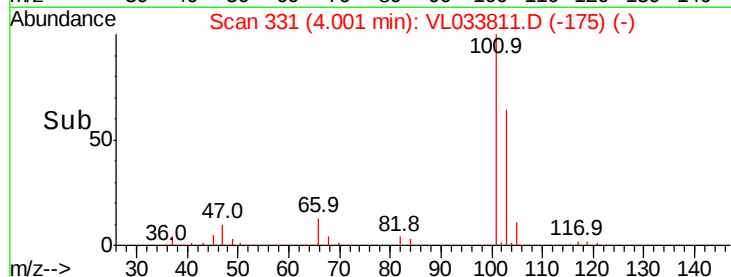
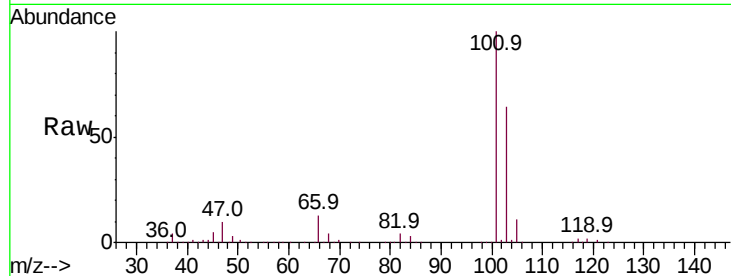
#11
 Trichlorofluoromethane
 Concen: 8.983 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1634740
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.6 78.8

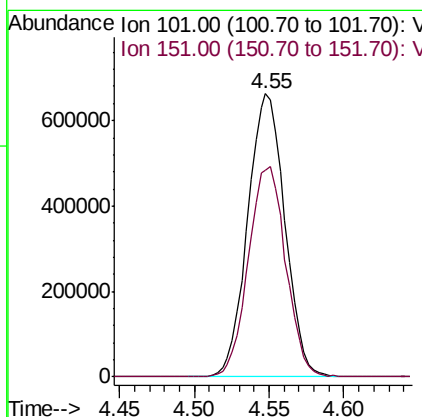
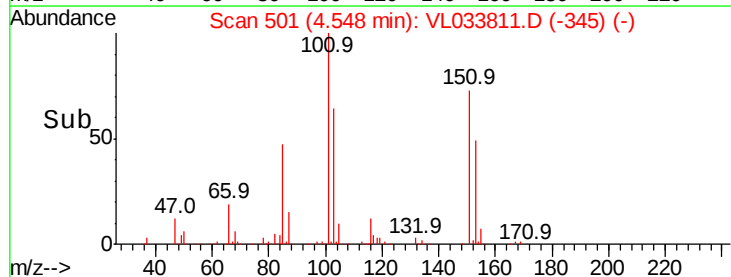
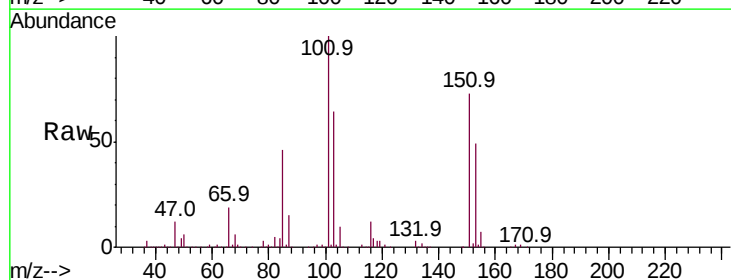
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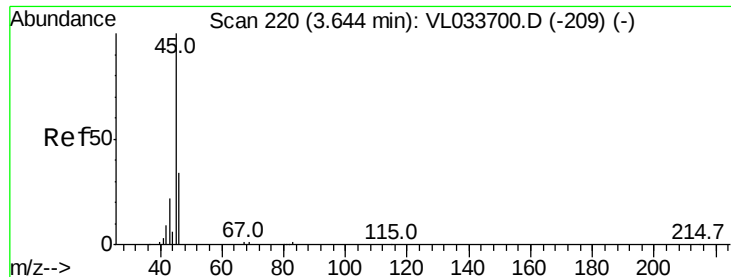
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.009 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Tgt Ion:101 Resp: 1144888
 Ion Ratio Lower Upper
 101 100
 151 74.8 58.2 87.4





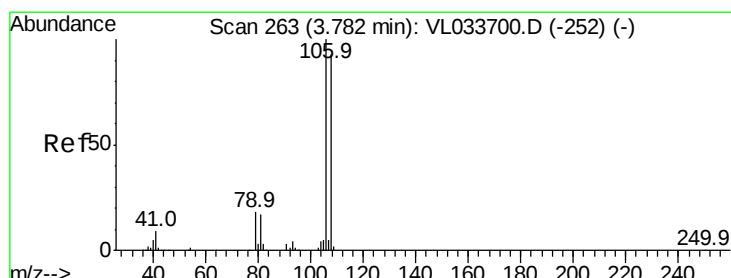
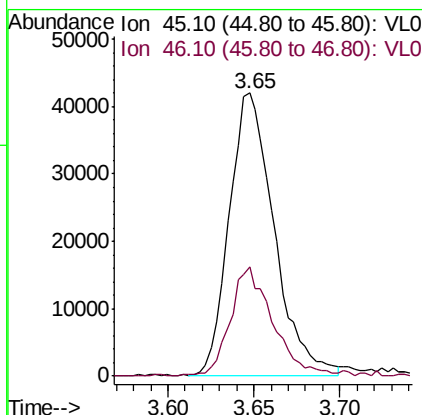
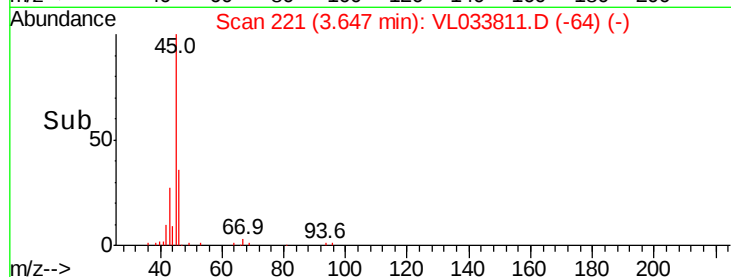
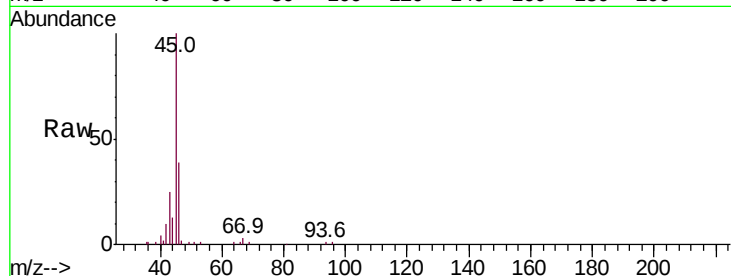
#13
Ethanol
Concen: 5.390 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 76796
Ion Ratio Lower Upper
45 100
46 37.4 14.8 59.0

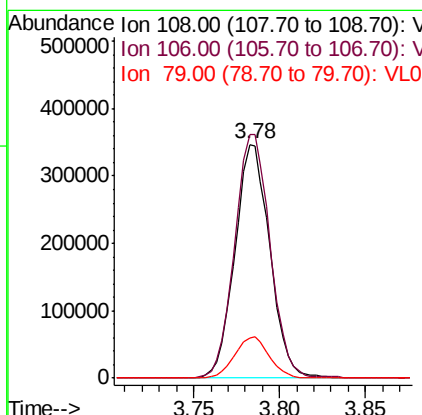
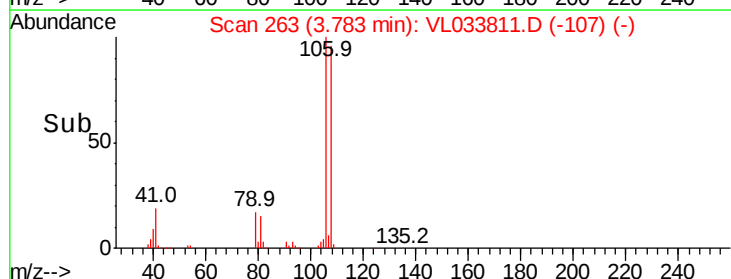
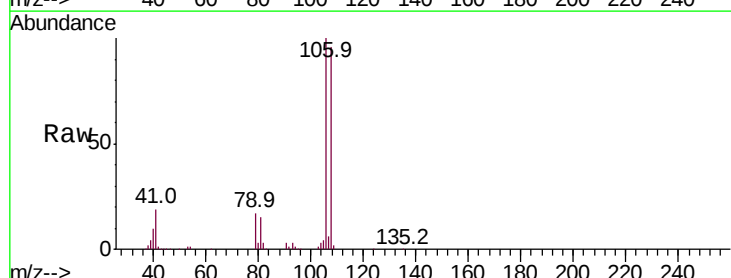
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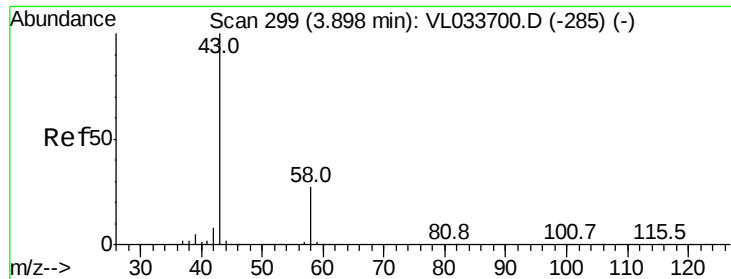
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#14
Bromoethene
Concen: 10.460 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 108 Resp: 488698
Ion Ratio Lower Upper
108 100
106 106.1 86.5 129.7
79 17.6 15.1 22.7





#15

Acetone

Concen: 8.262 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1037162

Ion Ratio Lower Upper

43 100

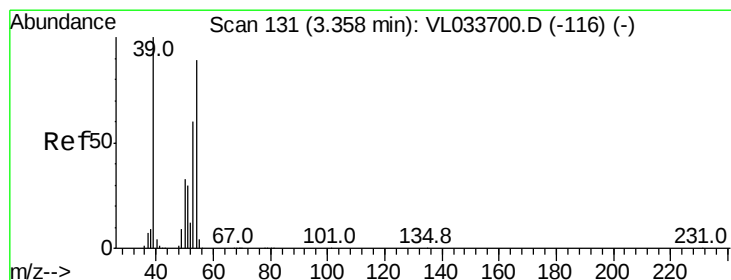
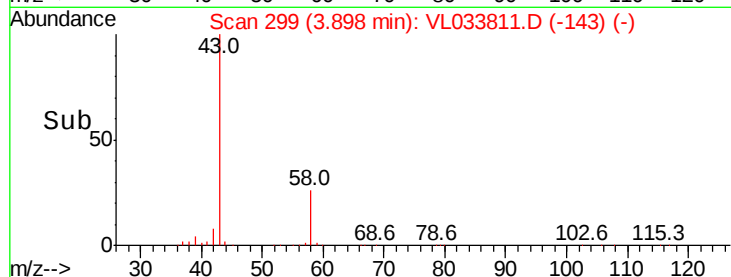
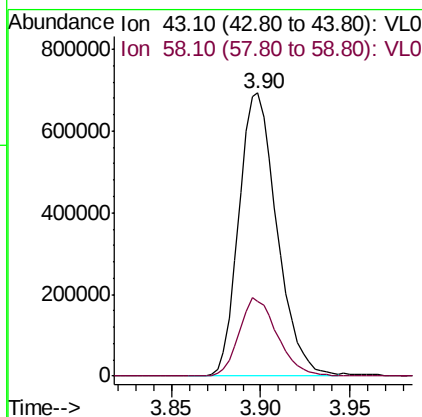
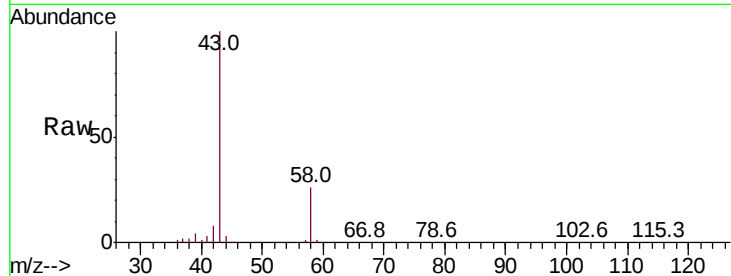
58 27.8 21.3 31.9

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#16

1,3-Butadiene

Concen: 10.367 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033811.D

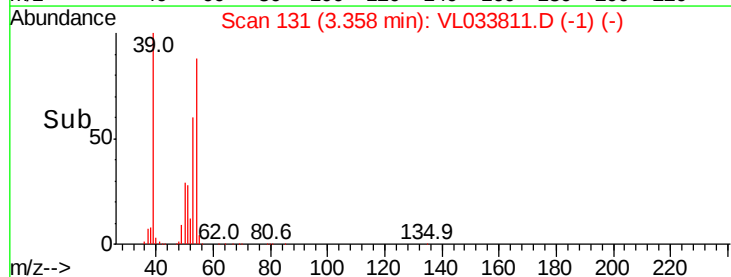
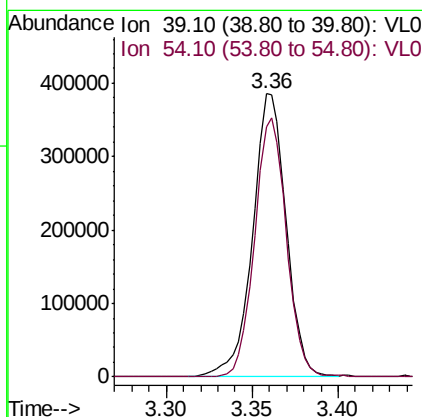
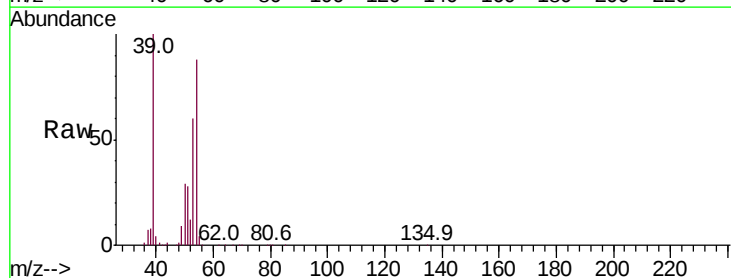
Acq: 28 May 2019 19:13

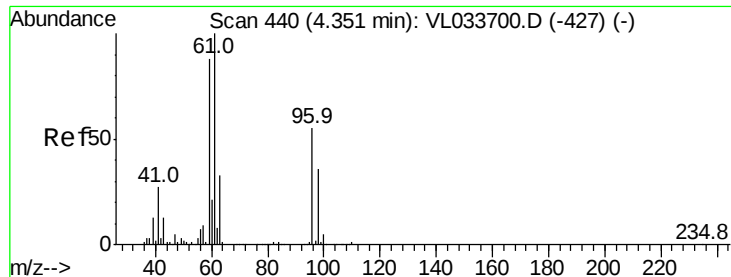
Tgt Ion: 39 Resp: 518258

Ion Ratio Lower Upper

39 100

54 87.5 69.0 103.6





#17

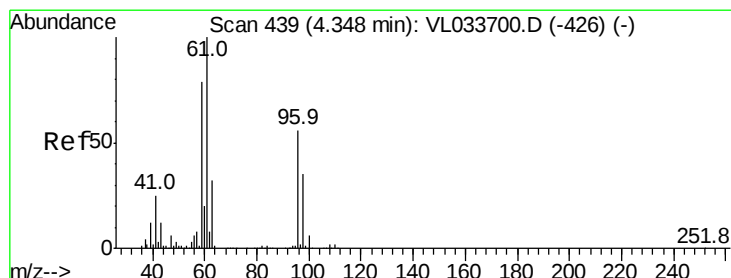
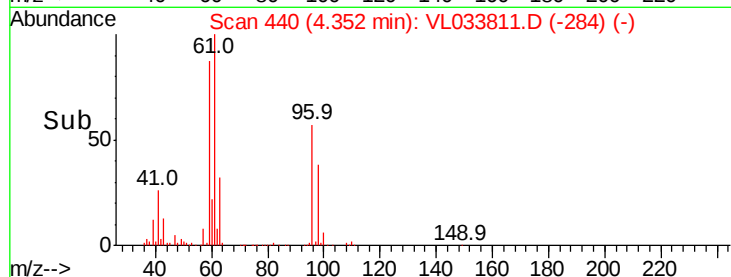
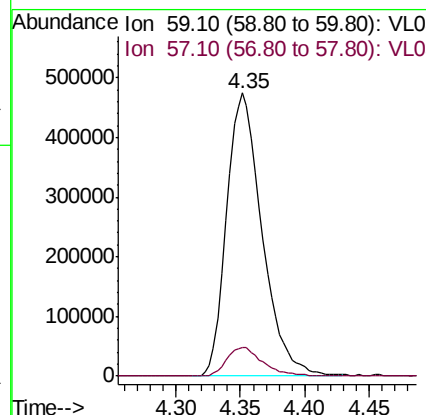
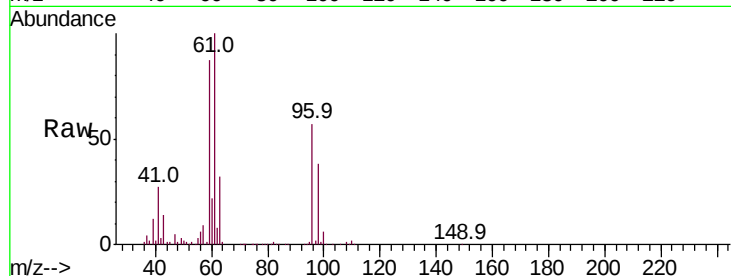
tert-Butyl alcohol
Concen: 8.925 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion	59	Ratio	100	Resp	905964
Ion	59	100		Lower	Upper
	57	10.4		8.4	12.6

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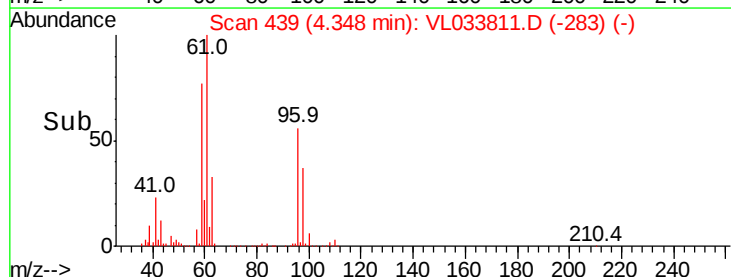
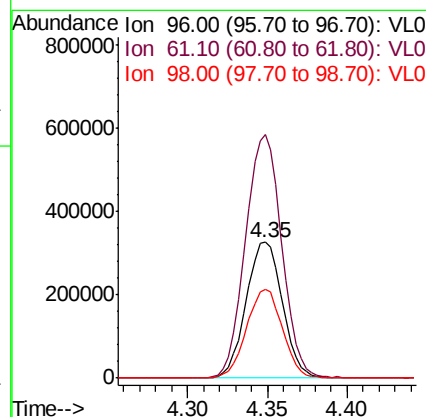
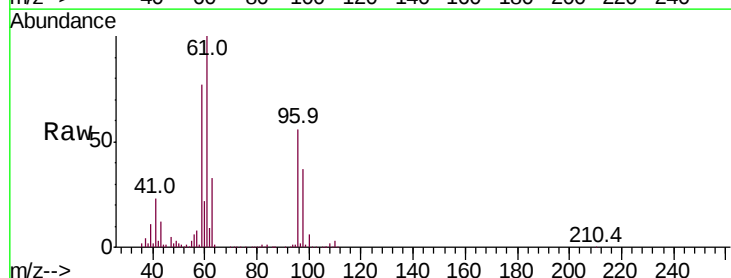
apatel
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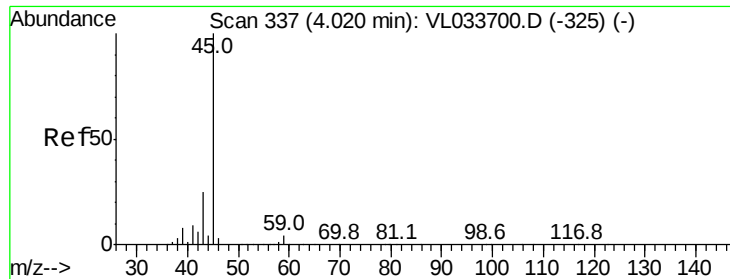


#18

1,1-Dichloroethene
Concen: 9.422 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion	96	Ratio	100	Resp	505400
Ion	96	100		Lower	Upper
	61	179.6		143.1	214.7
	98	65.9		49.5	74.3





#19

Isopropyl Alcohol

Concen: 7.593 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 614599

Ion Ratio Lower Upper

45 100

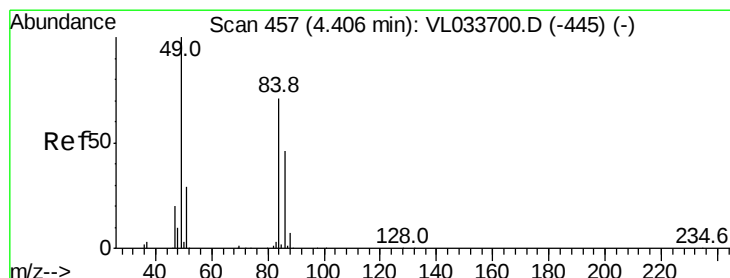
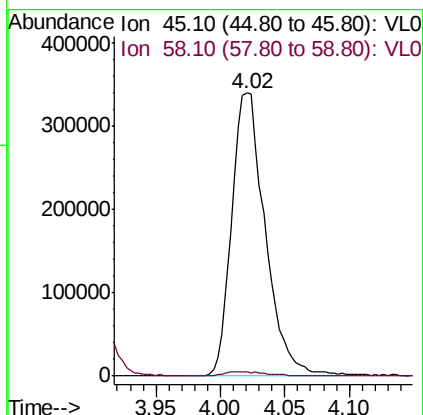
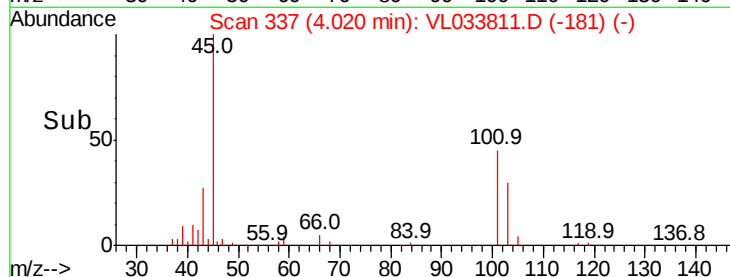
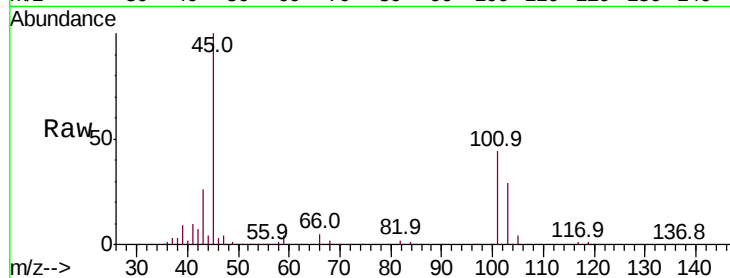
58 2.2 1.6 2.4

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#20

Methylene Chloride

Concen: 8.850 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Tgt Ion: 84 Resp: 427745

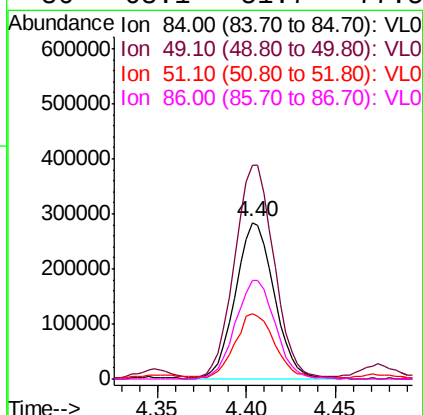
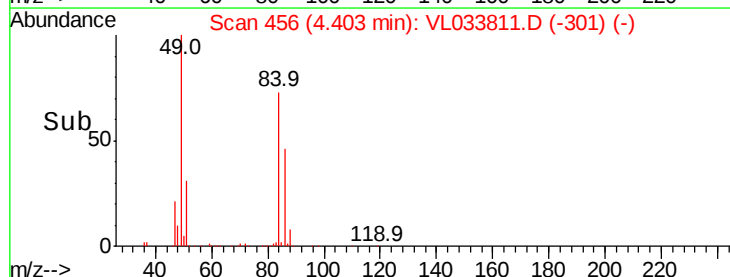
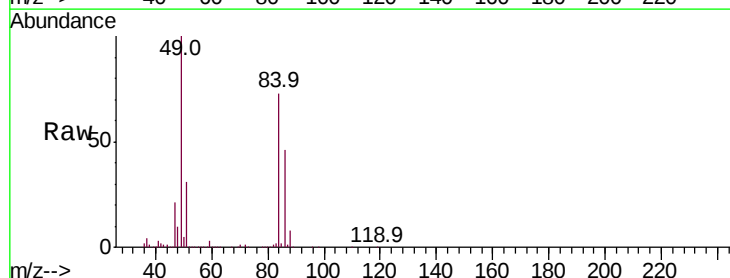
Ion Ratio Lower Upper

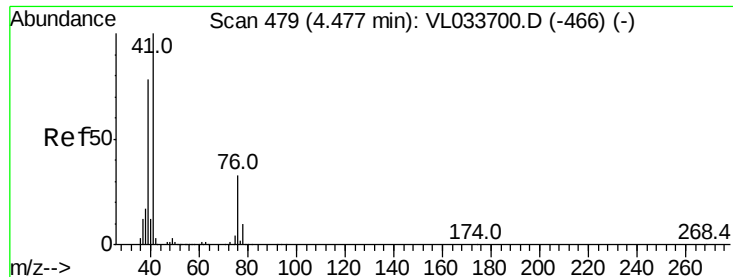
84 100

49 135.9 112.8 169.2

51 41.1 33.4 50.0

86 63.1 51.7 77.5





#21

Allvl Chloride

Concen: 9.286 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

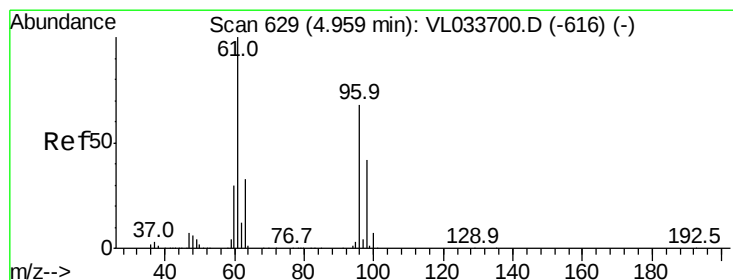
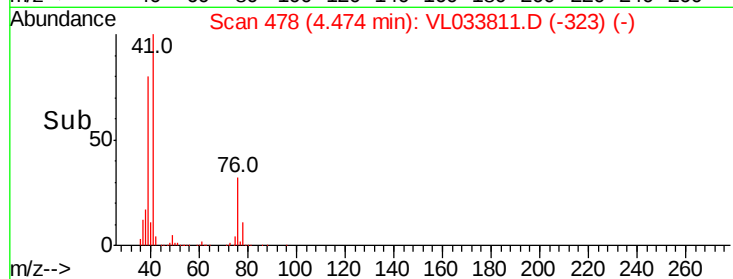
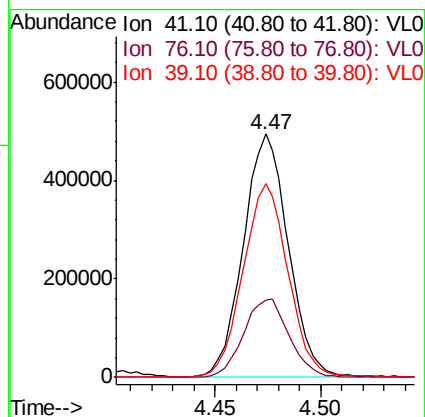
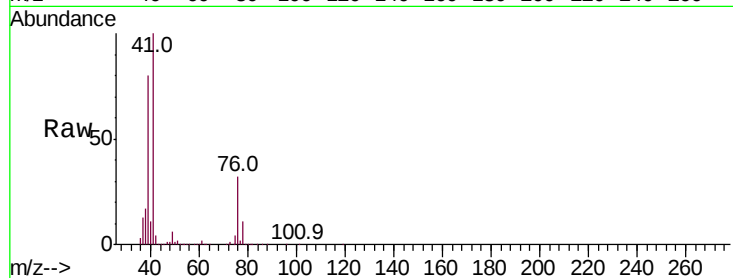
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	727066
Ion Ratio	Lower	Upper	
41	100		
76	33.2	25.9	38.9
39	80.7	64.6	97.0

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#22

trans-1,2-Dichloroethene

Concen: 9.271 ppbv

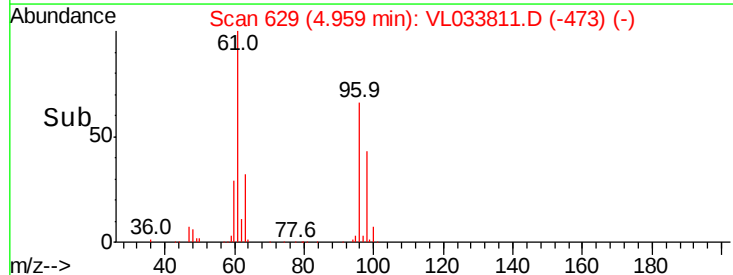
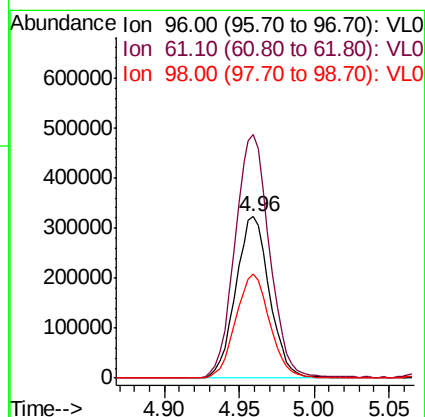
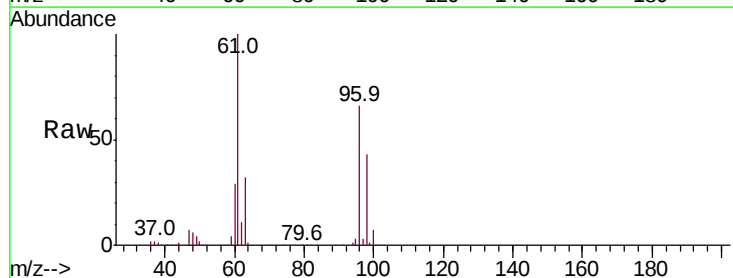
RT: 4.96 min Scan# 629

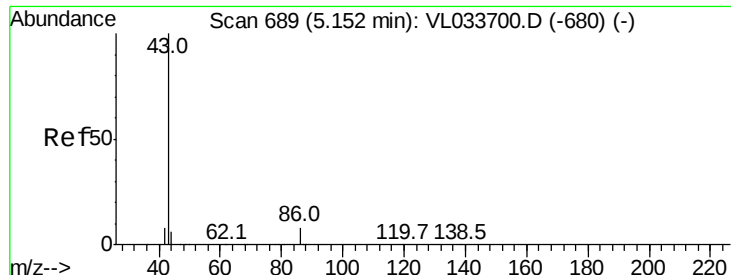
Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Tgt Ion:	96	Resp:	509694
Ion Ratio	Lower	Upper	
96	100		
61	150.8	116.8	175.2
98	64.1	49.4	74.0





#23

Vinyl Acetate

Concen: 10.481 ppbv

RT: 5.15 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1734669

Ion Ratio Lower Upper

43 100

86 8.1 6.0 9.0

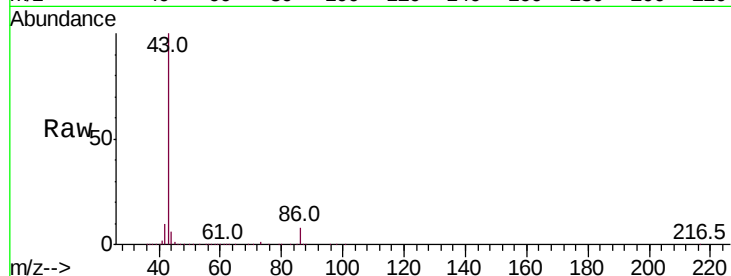
42 9.4 7.5 11.3

44 5.6 4.4 6.6

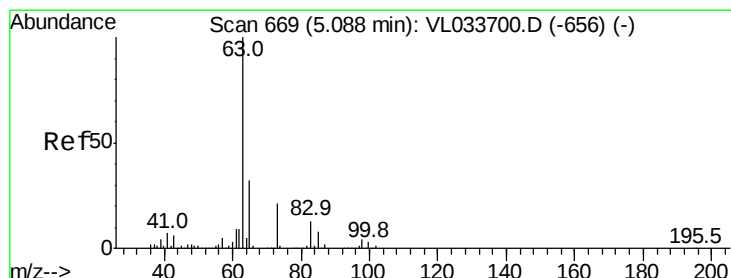
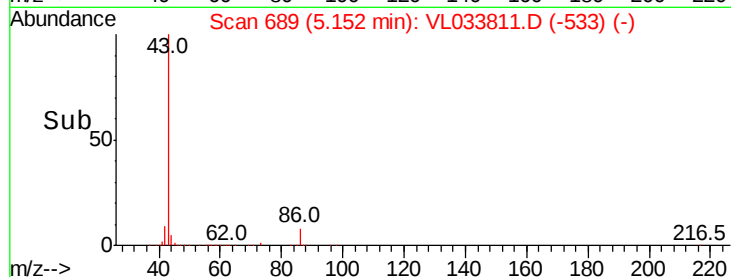
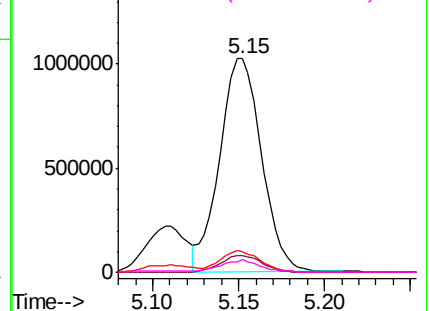
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.530 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

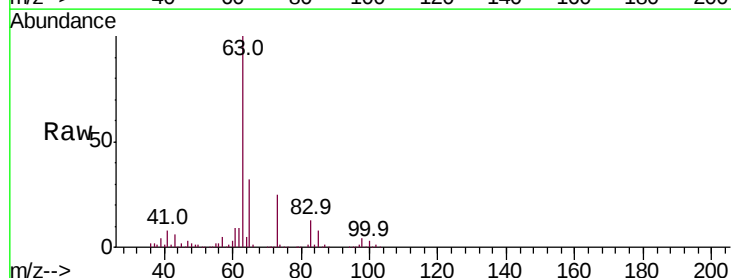
Tgt Ion: 63 Resp: 1199053

Ion Ratio Lower Upper

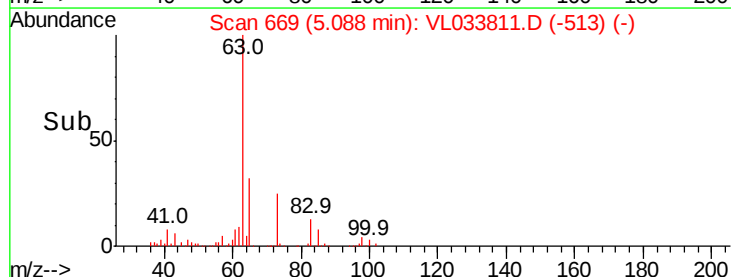
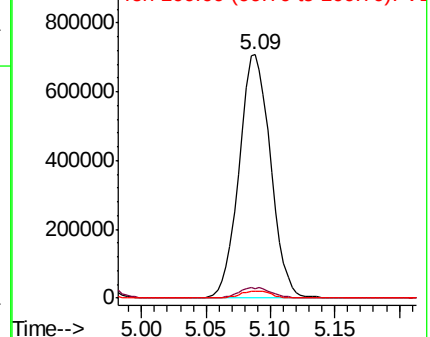
63 100

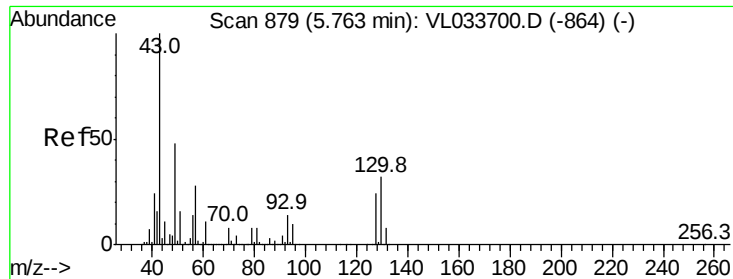
98 4.1 1.8 5.5

100 3.0 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.690 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2136831

Ion Ratio Lower Upper

43 100

45 10.1 7.9 11.9

61 10.0 7.7 11.5

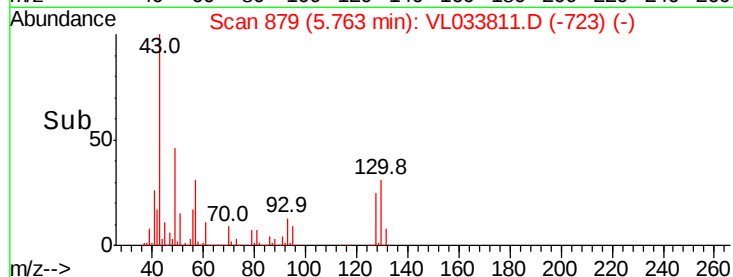
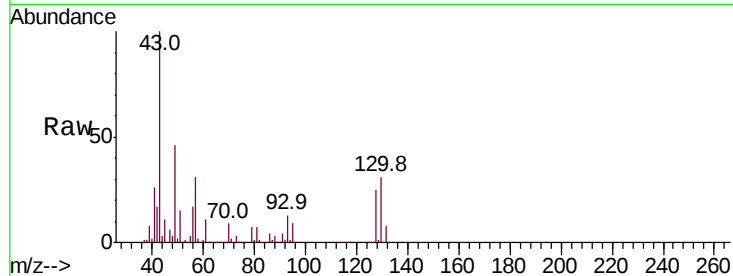
70 7.5 5.8 8.6

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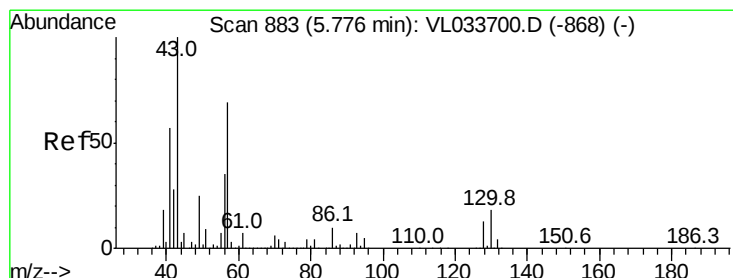
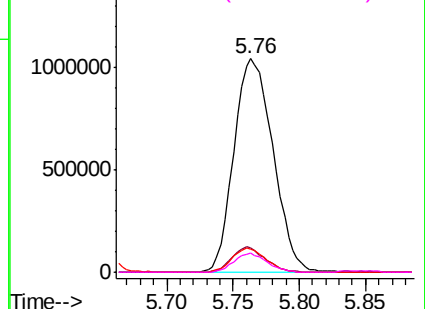


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.108 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Tgt Ion: 57 Resp: 958202

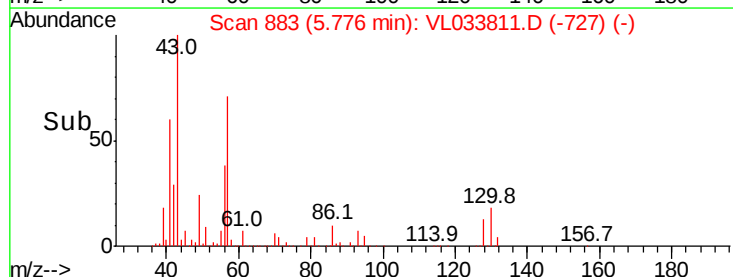
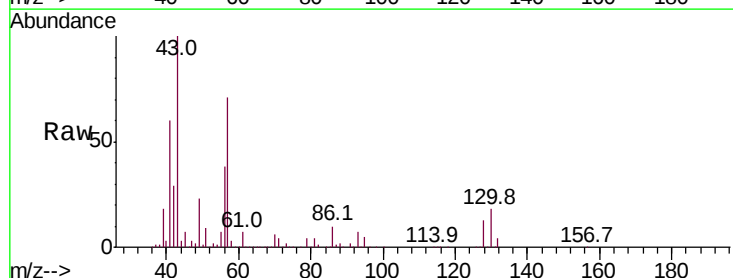
Ion Ratio Lower Upper

57 100

41 85.1 69.8 104.6

43 224.4 181.8 272.6

56 52.2 42.1 63.1

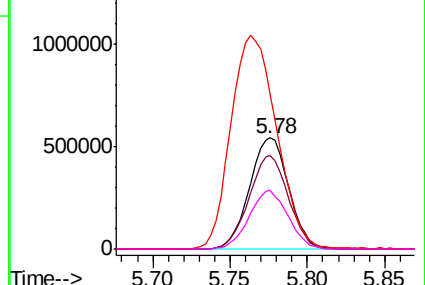


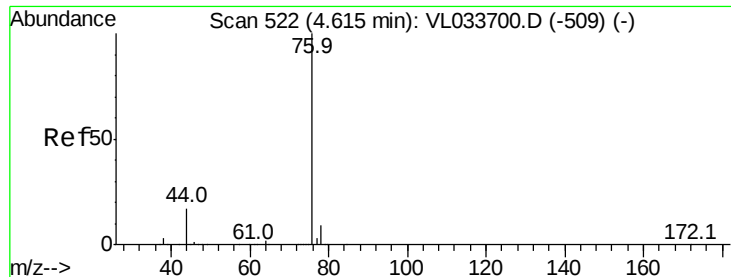
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.595 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1247921

Ion Ratio Lower Upper

76 100

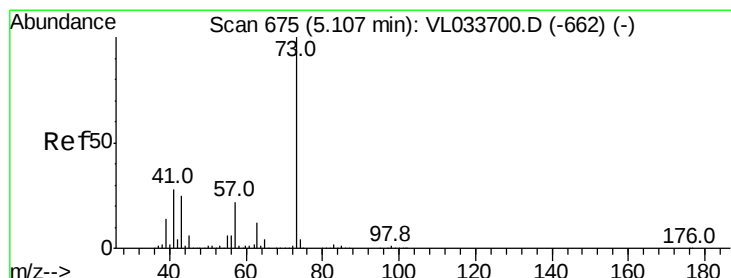
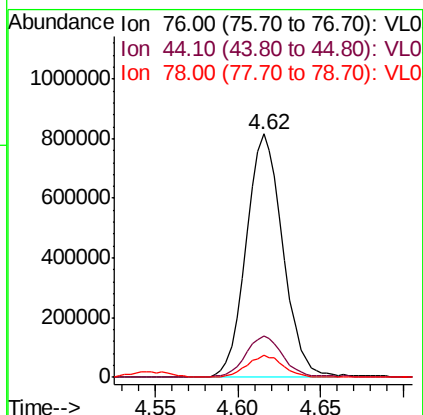
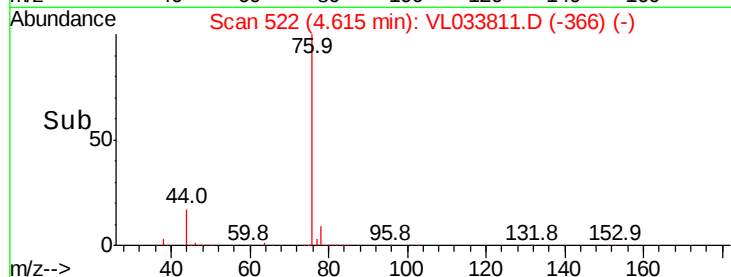
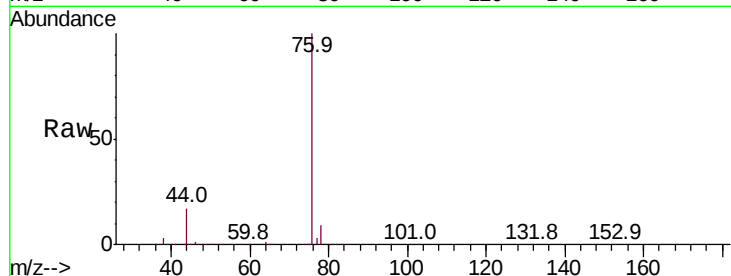
44 16.7 13.8 20.8

78 9.2 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 10.524 ppbv

RT: 5.11 min Scan# 676

Delta R.T. 0.00 min

Lab File: VL033811.D

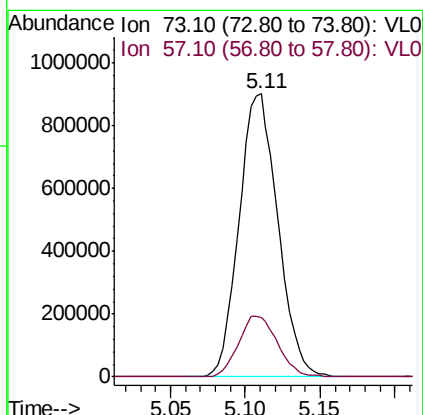
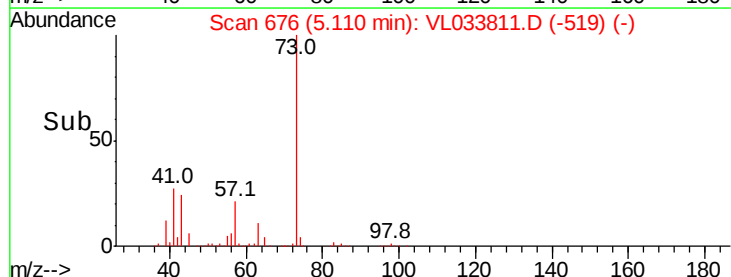
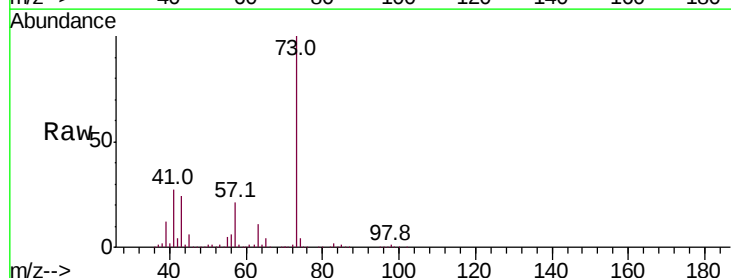
Acq: 28 May 2019 19:13

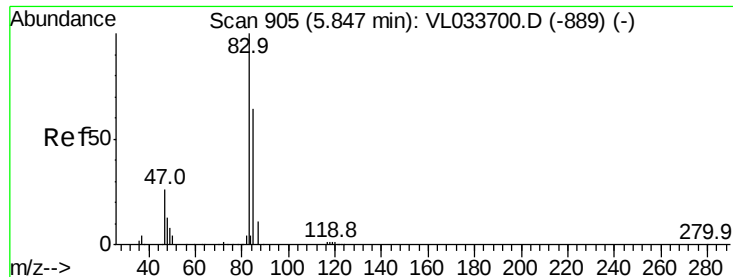
Tgt Ion: 73 Resp: 1626380

Ion Ratio Lower Upper

73 100

57 21.9 17.4 26.2





#29

Chloroform

Concen: 9.139 ppbv

RT: 5.85 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 1595844

Ion Ratio Lower Upper

83 100

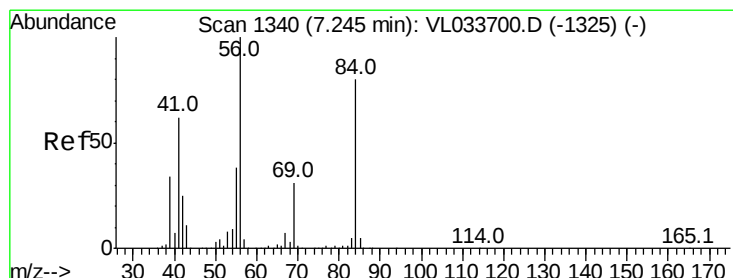
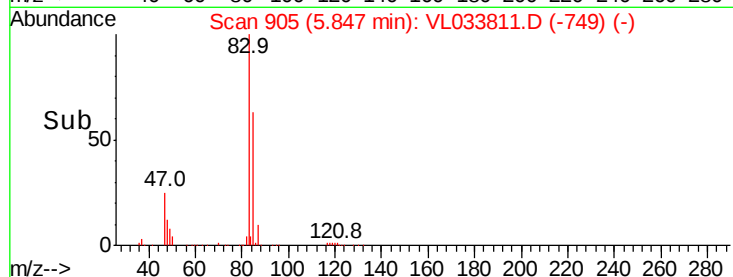
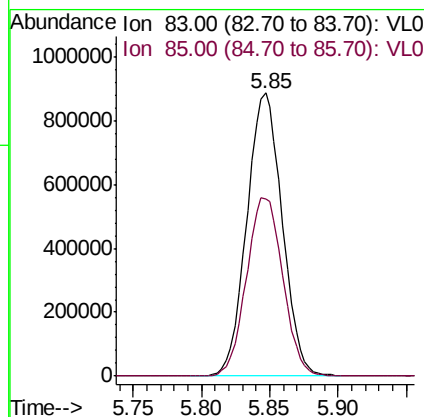
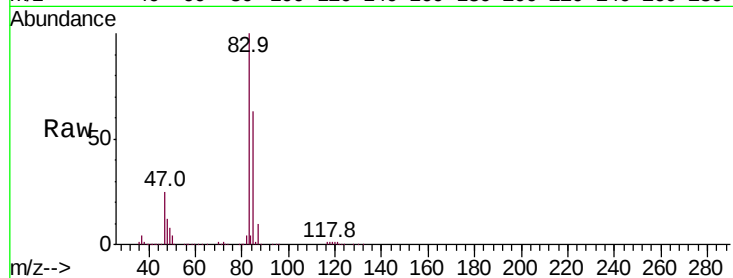
85 62.6 51.5 77.3

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#30

Cyclohexane

Concen: 10.584 ppbv

RT: 7.24 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

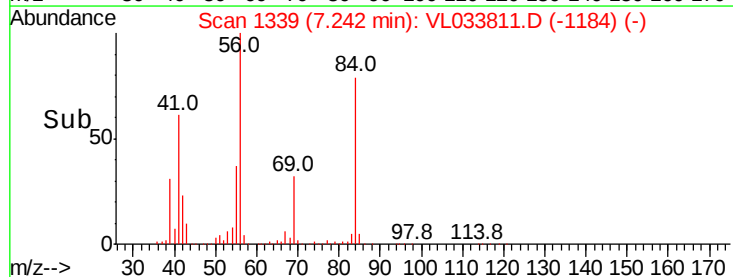
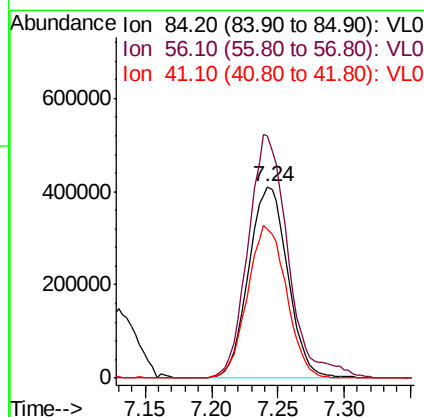
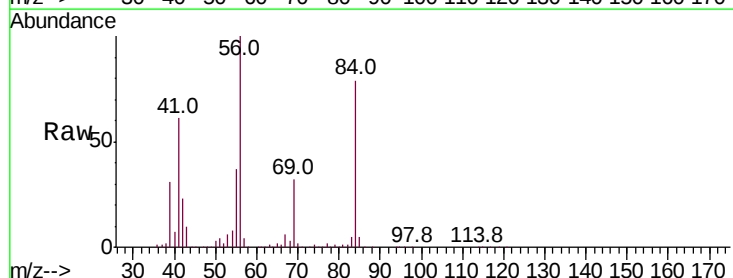
Tgt Ion: 84 Resp: 843550

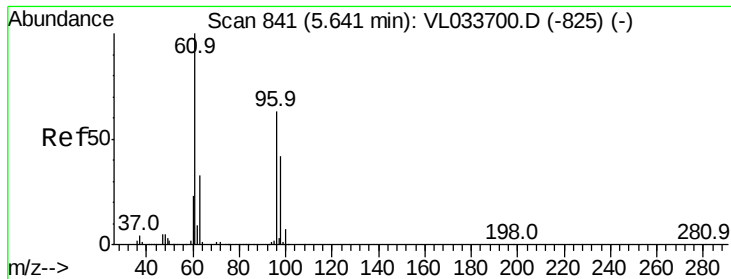
Ion Ratio Lower Upper

84 100

56 130.9 107.7 161.5

41 79.4 66.0 99.0





#31

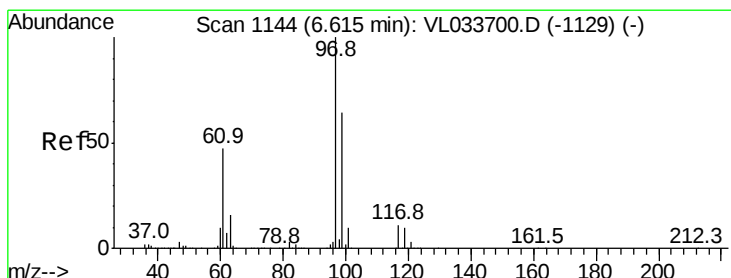
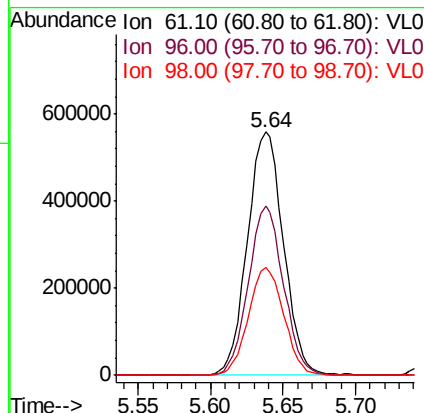
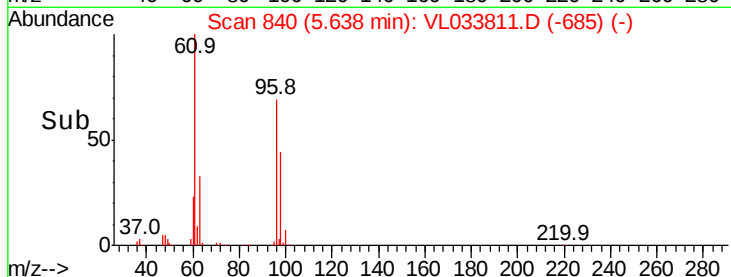
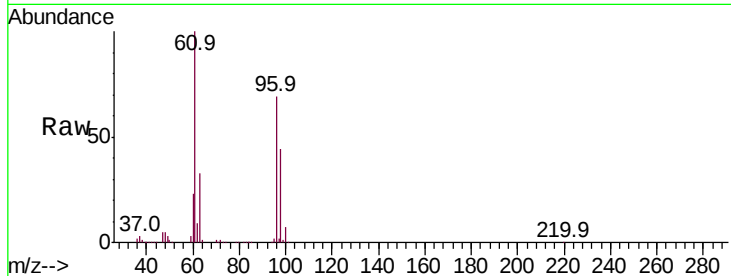
cis-1,2-Dichloroethene
Concen: 10.315 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
61	100	969534		
96	69.3		50.8	76.2
98	44.3		33.3	49.9

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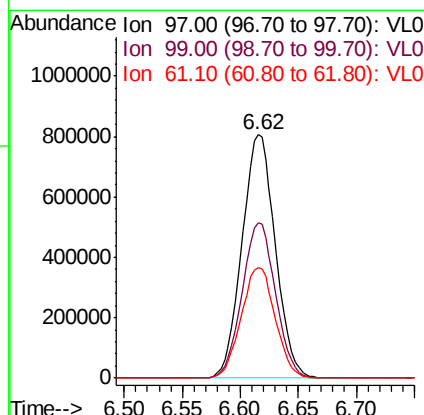
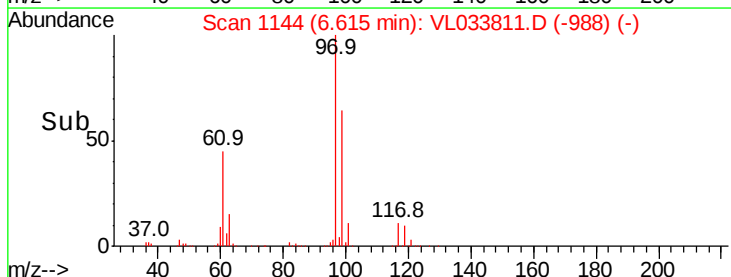
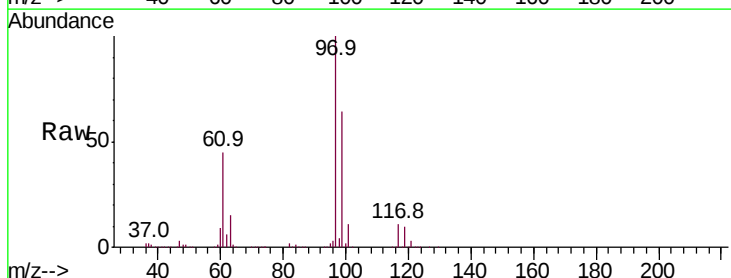
apatel
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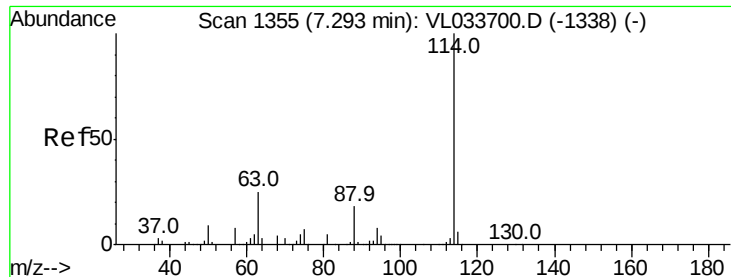


#32

1,1,1-Trichloroethane
Concen: 9.236 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	1610363		
99	64.1		51.5	77.3
61	46.4		37.8	56.8





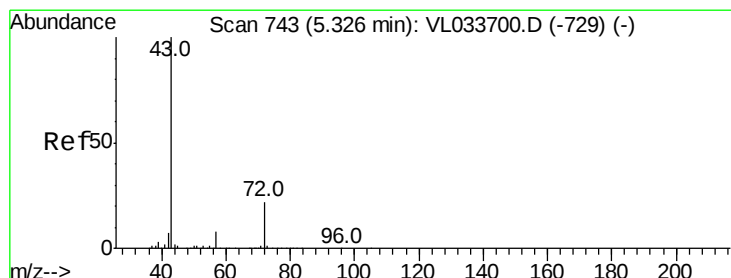
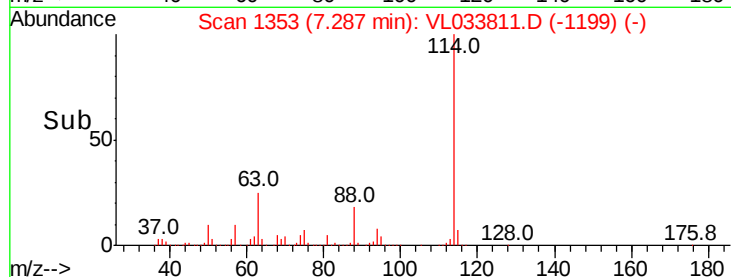
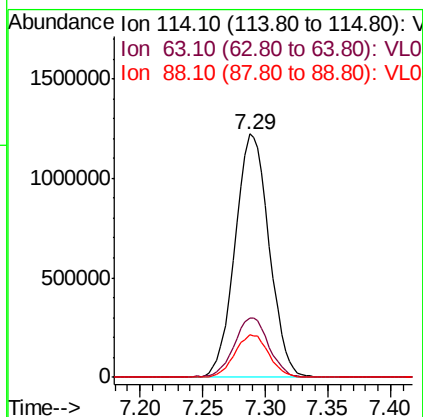
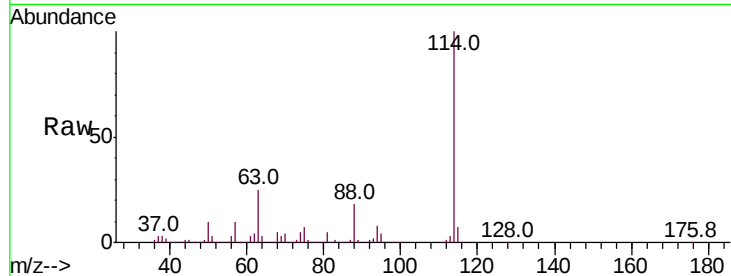
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.9	31.3
88	17.5	14.3	21.5

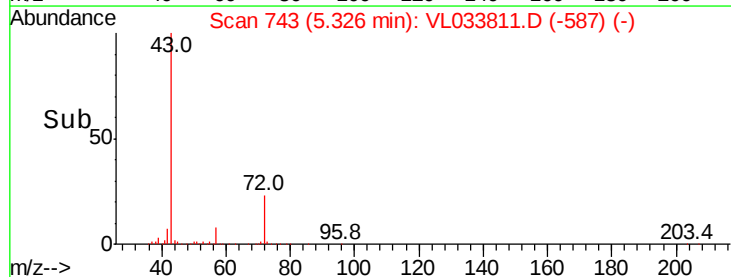
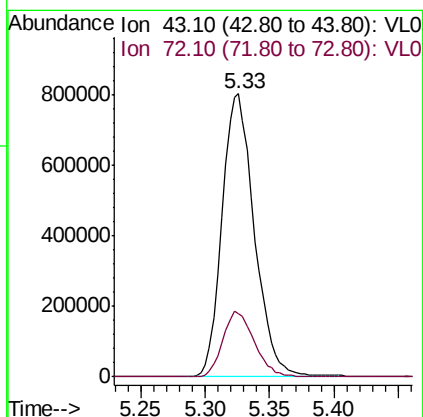
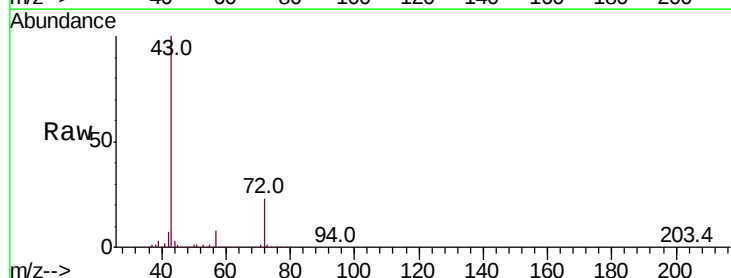
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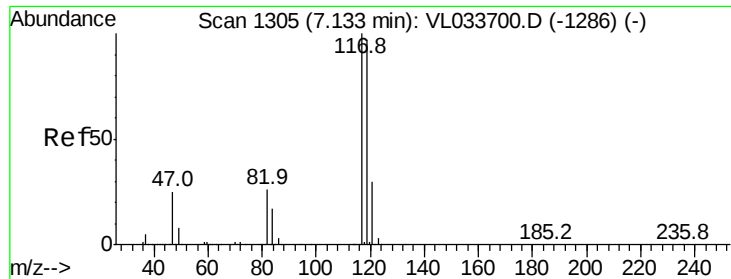
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#34
 2-Butanone
 Concen: 9.721 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.8	26.6





#35

Carbon Tetrachloride

Concen: 9.134 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1690883

Ion Ratio Lower Upper

117 100

119 98.1 77.2 115.8

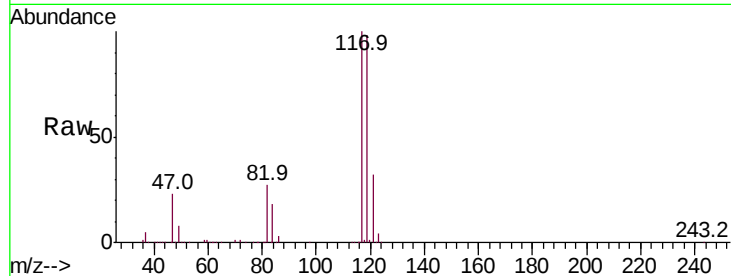
121 32.0 24.1 36.1

Manual Integrations

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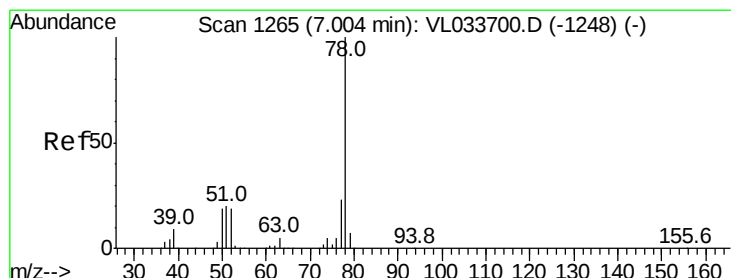
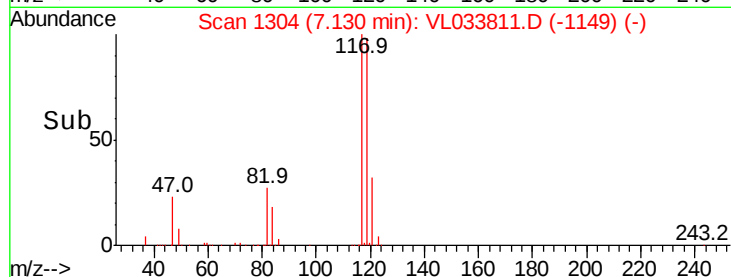
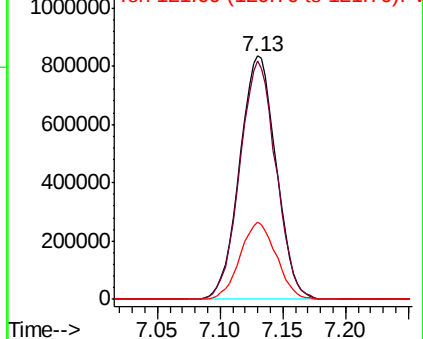
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.342 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

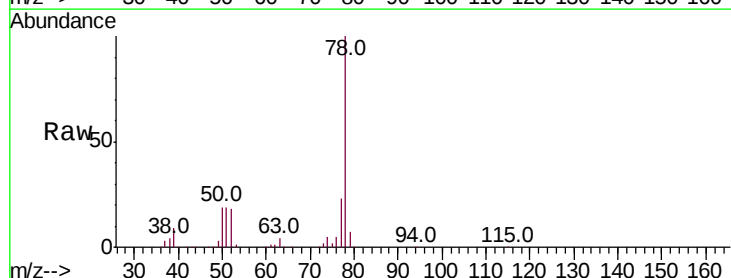
Tgt Ion: 78 Resp: 1963808

Ion Ratio Lower Upper

78 100

77 23.1 18.4 27.6

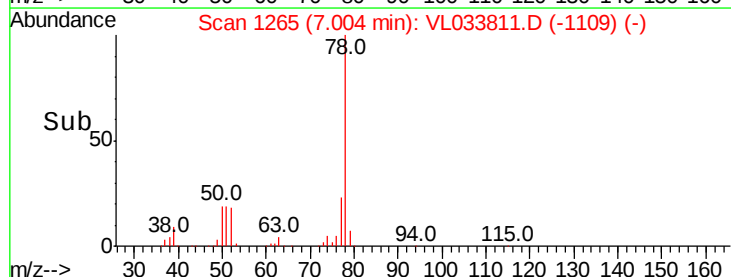
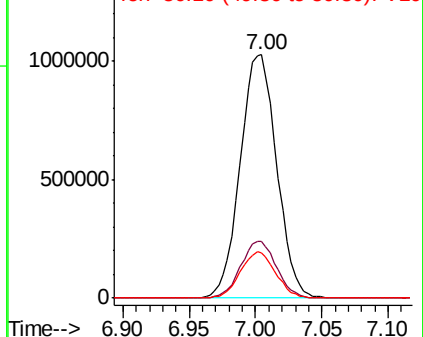
50 18.8 15.5 23.3

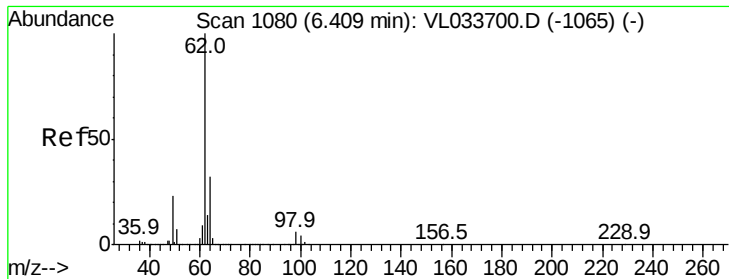


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.656 ppbv

RT: 6.41 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1173771

Ion Ratio Lower Upper

62 100

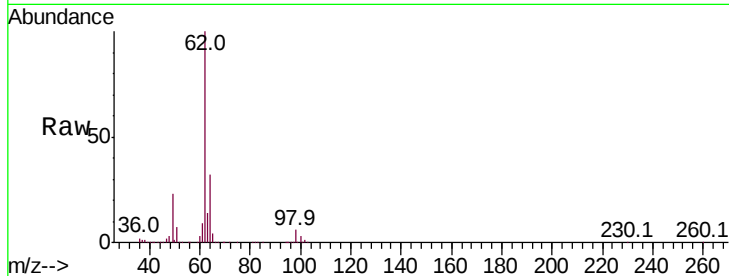
98 6.1 4.5 6.7

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.41

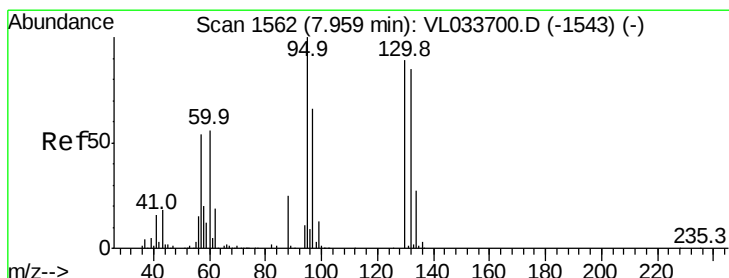
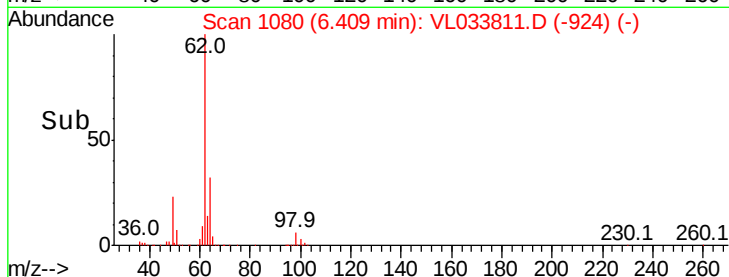
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 11.161 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Tgt Ion: 130 Resp: 870592

Ion Ratio Lower Upper

130 100

95 111.5 90.2 135.4

132 93.1 76.4 114.6

97 72.1 59.8 89.6

Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

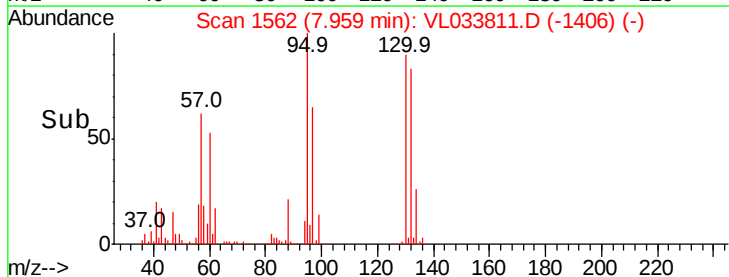
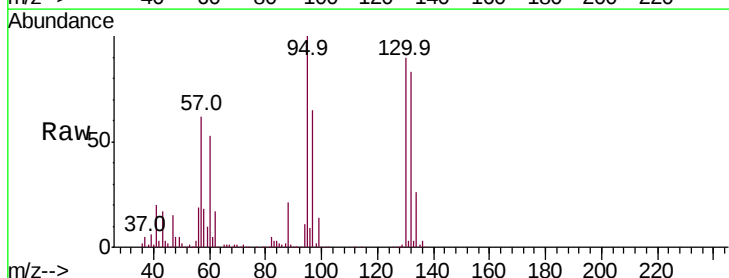
600000

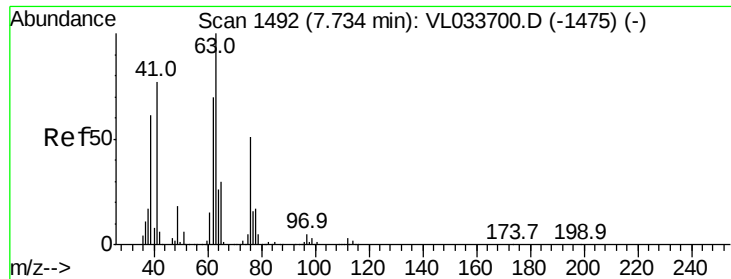
400000

200000

0

Time-->





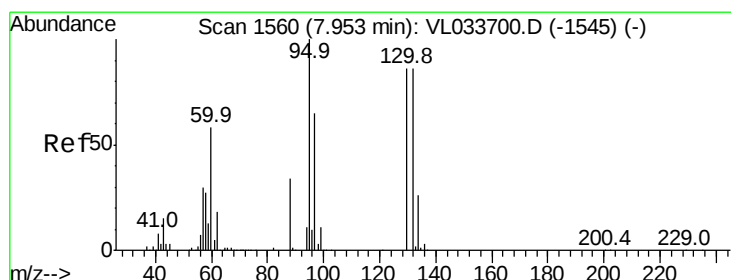
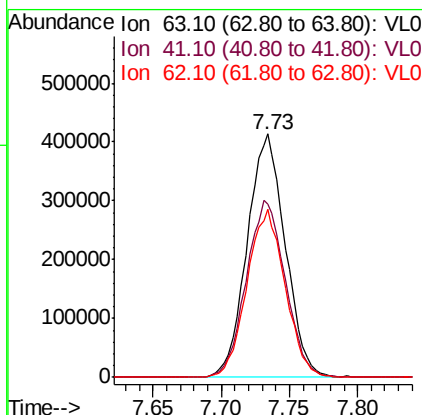
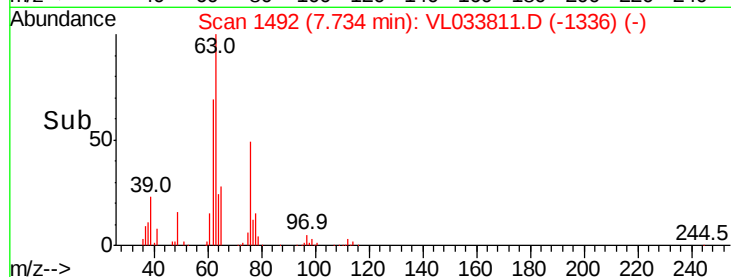
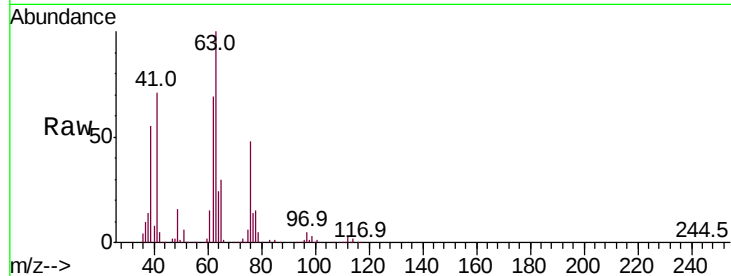
#39
 1,2-Dichloropropane
 Concen: 10.209 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	71.2	61.5	92.3
62	69.1	56.2	84.4

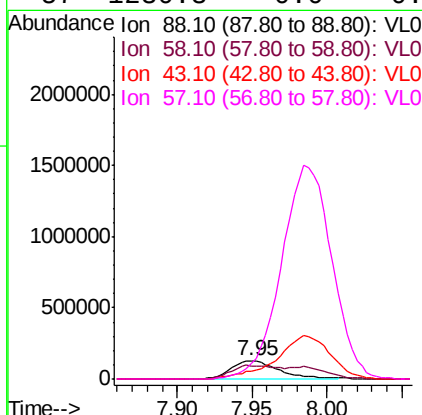
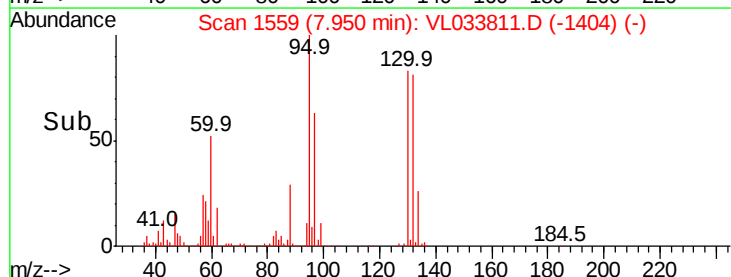
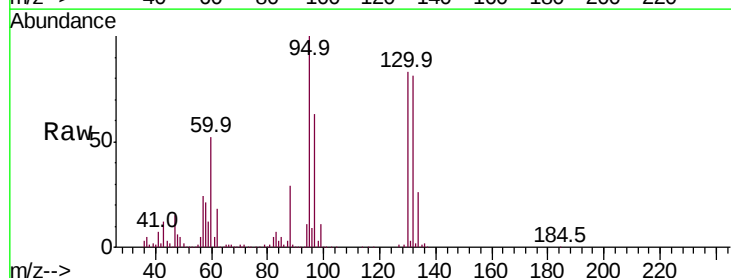
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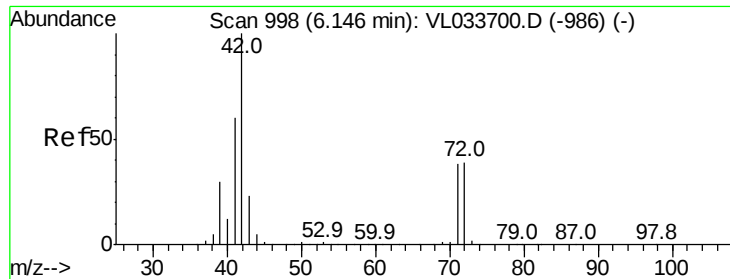
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#40
 1,4-Dioxane
 Concen: 8.740 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	128.5	101.8	152.6
43	266.4	0.0	0.0#
57	1230.3	0.0	0.0#





#41

Tetrahydrofuran

Concen: 9.720 ppbv

RT: 6.14 min Scan# 997

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

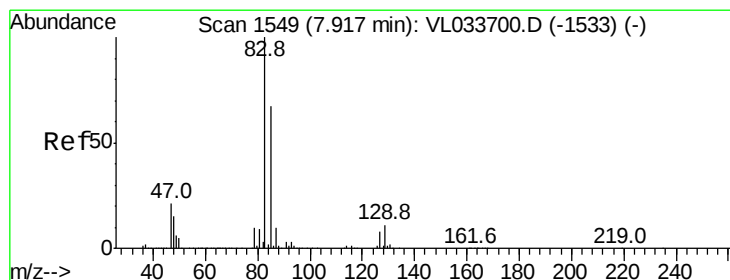
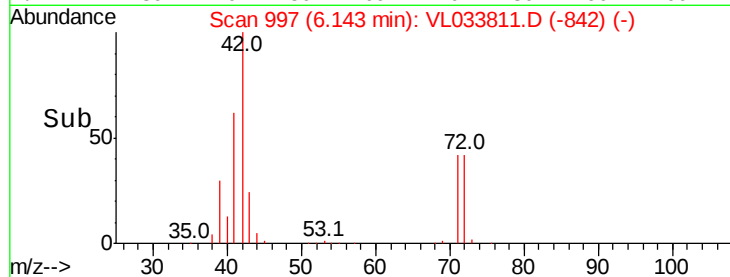
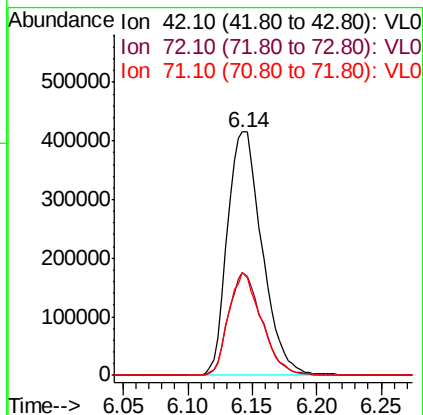
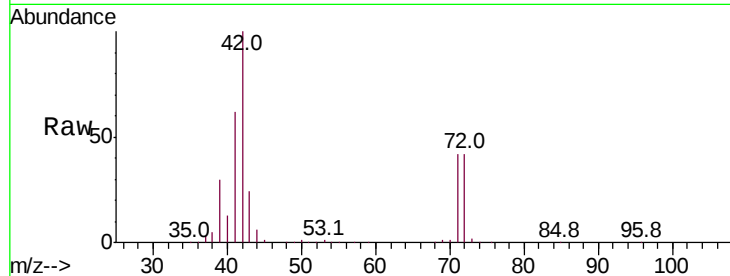
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	780057
Ion Ratio	Lower	Upper	
42	100		
72	40.8	32.0	48.0
71	40.0	30.4	45.6

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#42

Bromodichloromethane

Concen: 9.997 ppbv

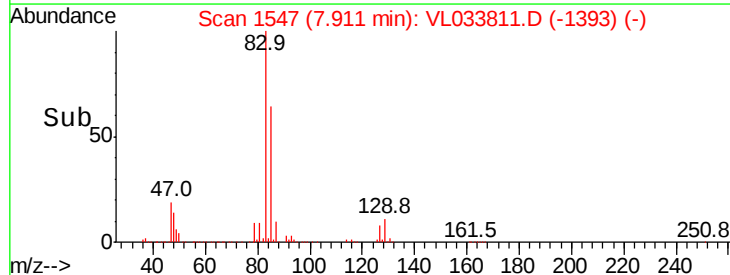
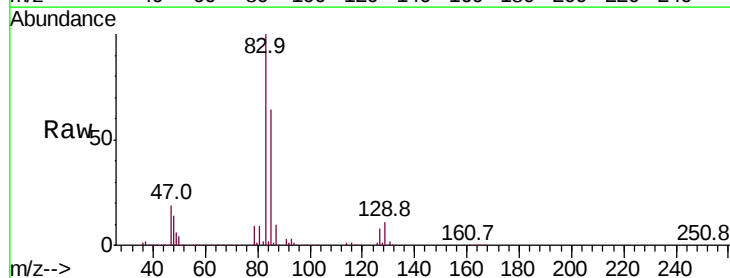
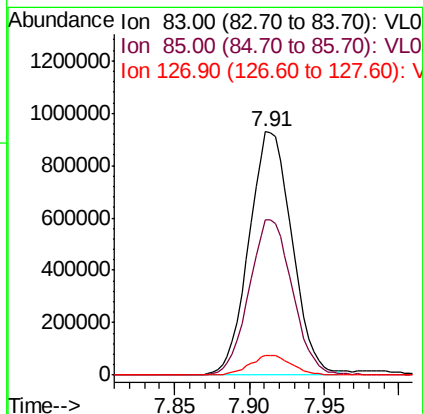
RT: 7.91 min Scan# 1547

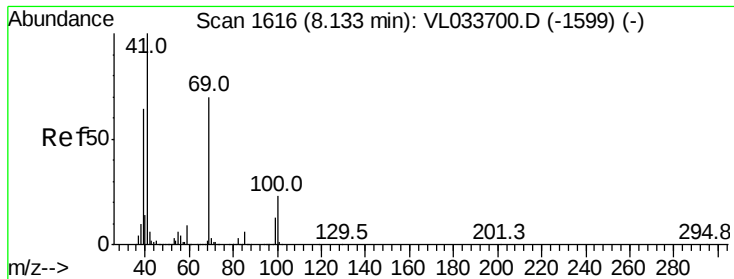
Delta R.T. -0.01 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Tgt Ion:	83	Resp:	1855935
Ion Ratio	Lower	Upper	
83	100		
85	63.6	53.3	79.9
127	8.2	6.5	9.7





#43

Methyl Methacrylate

Concen: 10.534 ppbv

RT: 8.13 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

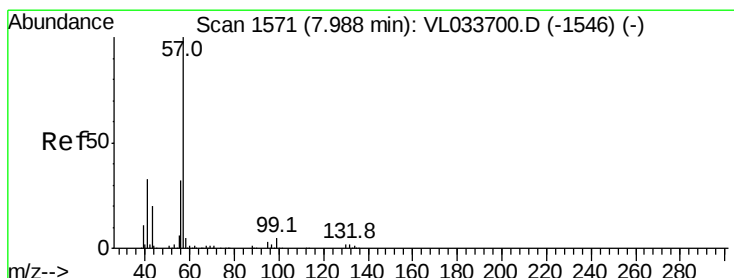
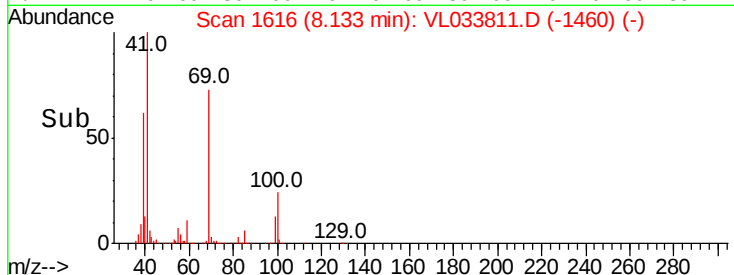
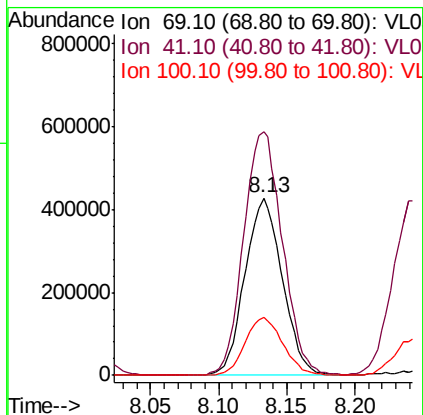
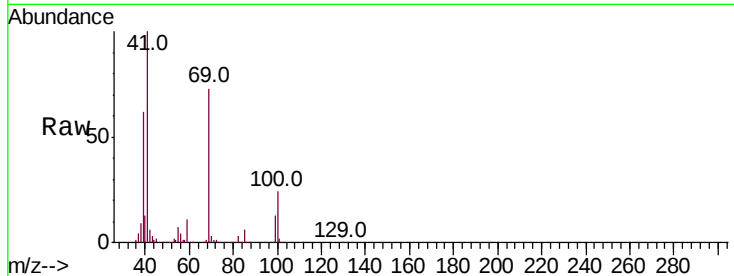
ClientSampleId :

VSTDCCC010

Tot Ion:	69	Resp:	814945
Ion Ratio	Lower	Upper	
69	100		
41	142.3	116.3	174.5
100	32.7	25.3	37.9

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.907 ppbv

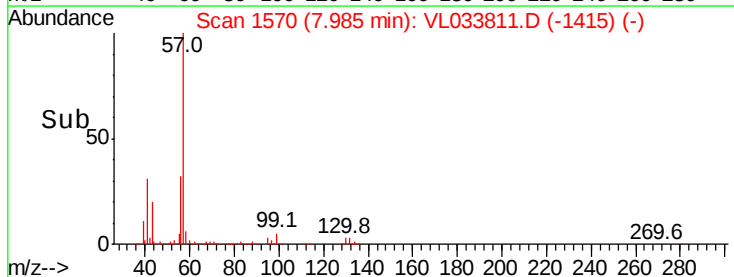
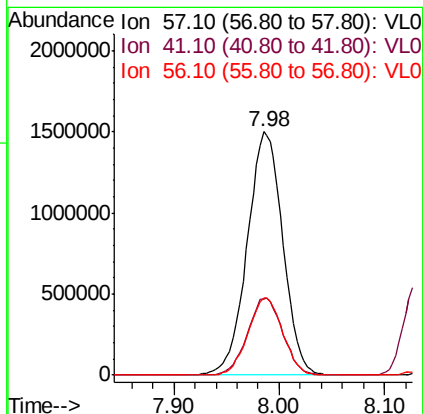
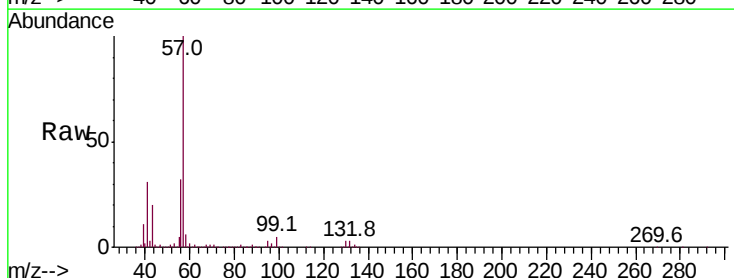
RT: 7.98 min Scan# 1570

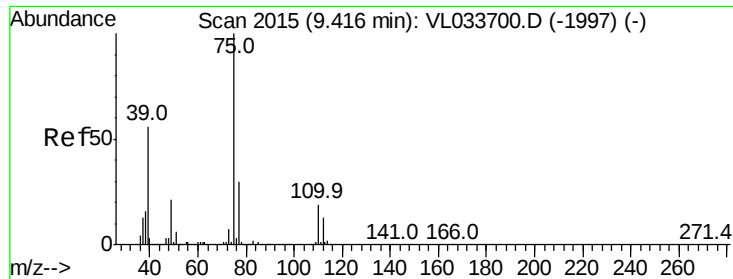
Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Tgt Ion:	57	Resp:	3519778
Ion Ratio	Lower	Upper	
57	100		
41	31.3	25.4	38.0
56	30.9	24.7	37.1





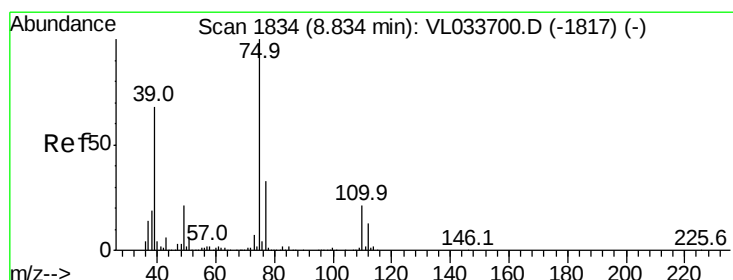
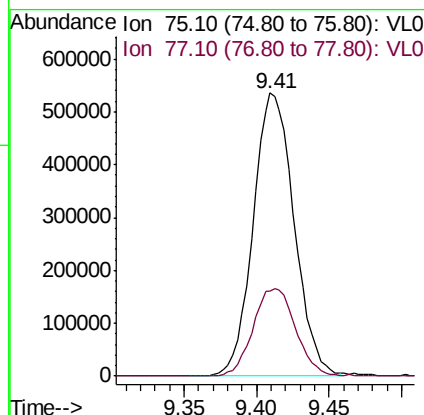
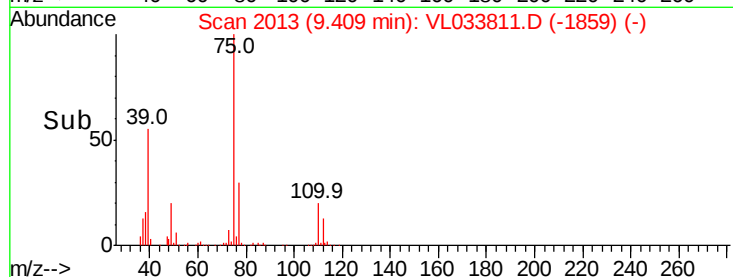
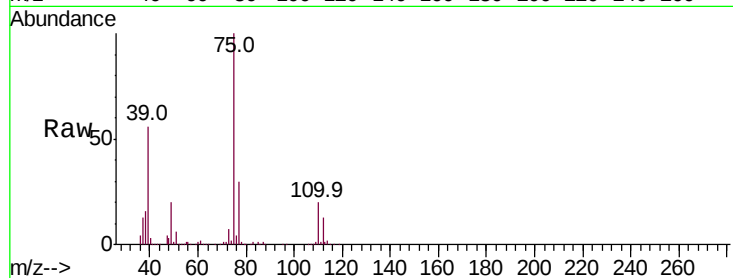
#45
t-1,3-Dichloropropene
Concen: 10.708 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1050164
Ion Ratio Lower Upper
75 100
77 29.9 24.4 36.6

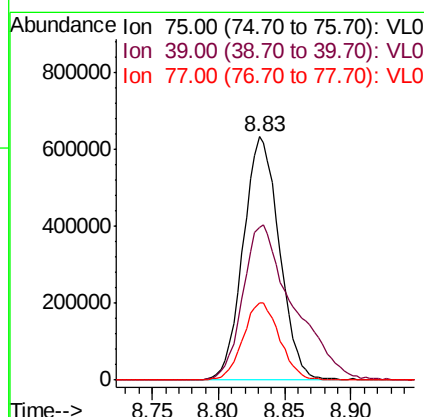
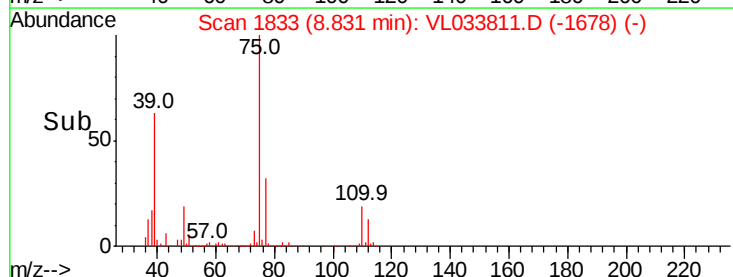
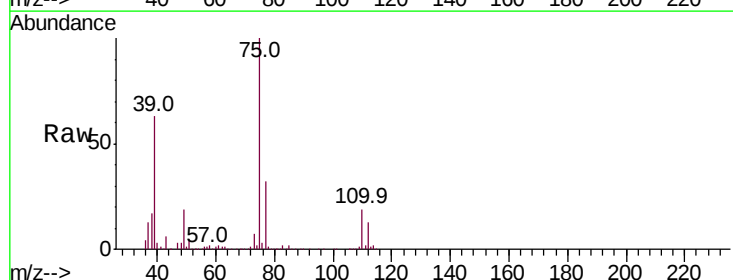
Manual Integrations
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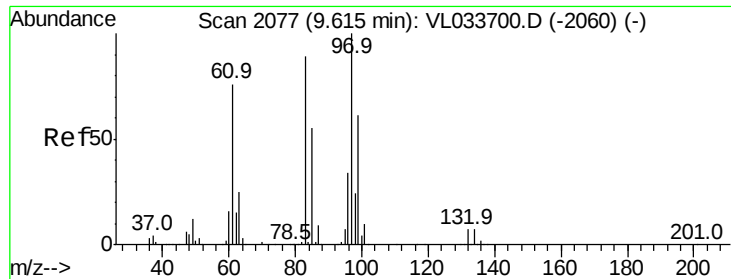
apatel
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#46
cis-1,3-Dichloropropene
Concen: 10.442 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 75 Resp: 1199169
Ion Ratio Lower Upper
75 100
39 62.9 54.4 81.6
77 31.8 26.6 39.8





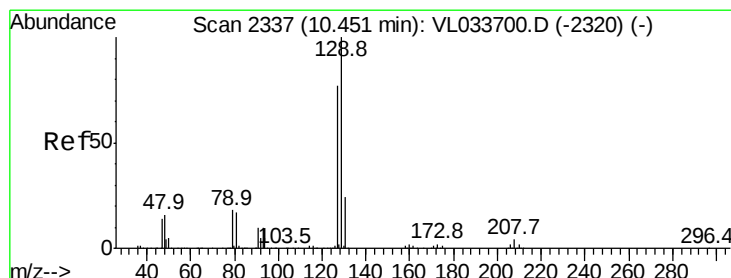
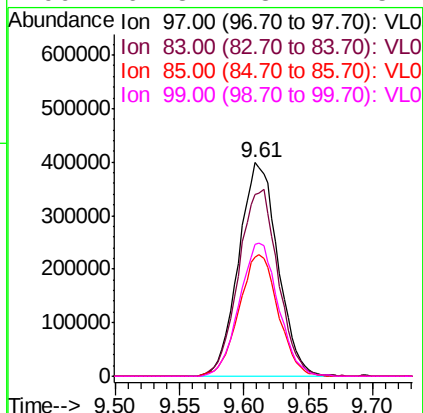
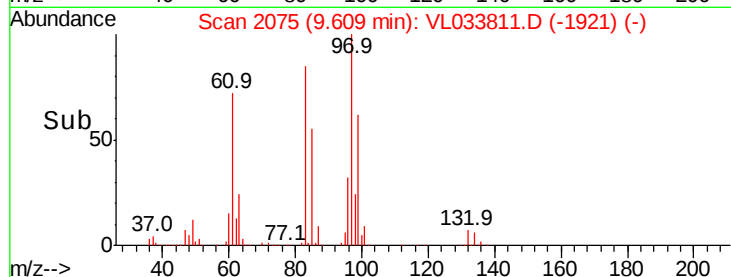
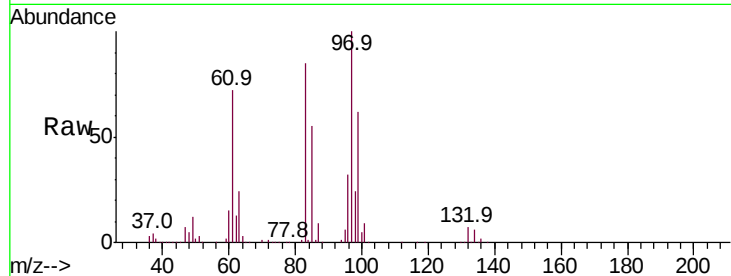
#47
 1,1,2-Trichloroethane
 Concen: 9.489 ppbv
 RT: 9.61 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	97	Resp	844803
Ion Ratio	Lower	Upper	
97	100		
83	85.2	70.8	106.2
85	55.3	43.7	65.5
99	61.8	48.7	73.1

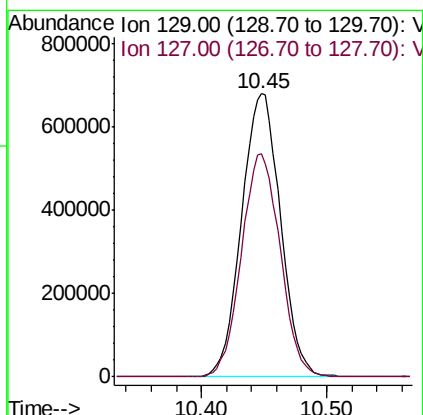
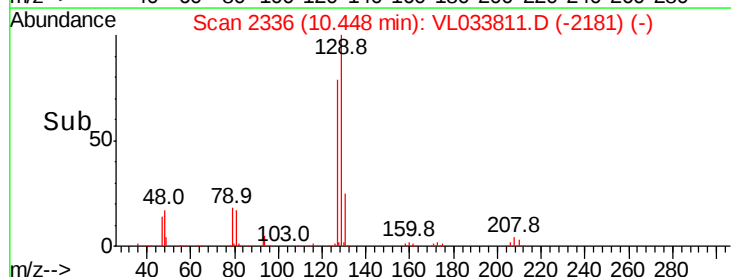
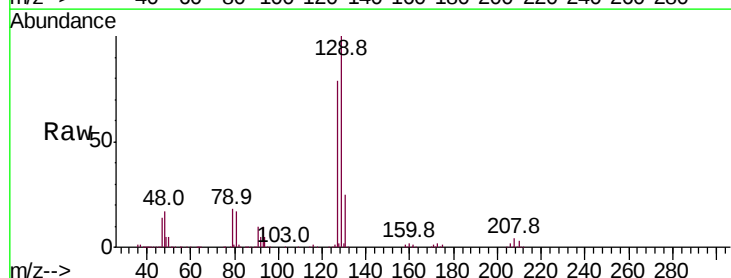
Manual Integrations
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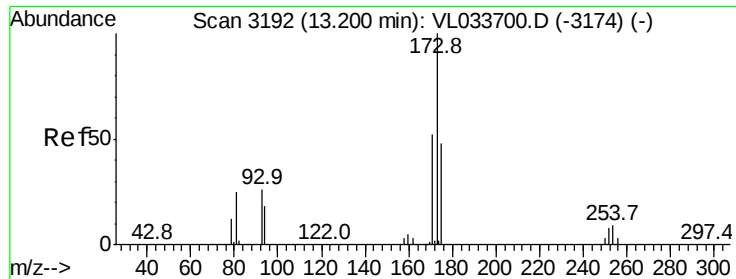
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#48
 Dibromochloromethane
 Concen: 9.520 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Tgt Ion	129	Resp	1468700
Ion Ratio	Lower	Upper	
129	100		
127	78.4	38.6	116.0





#49

Bromoform

Concen: 11.172 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1450167

Ion Ratio Lower Upper

173 100

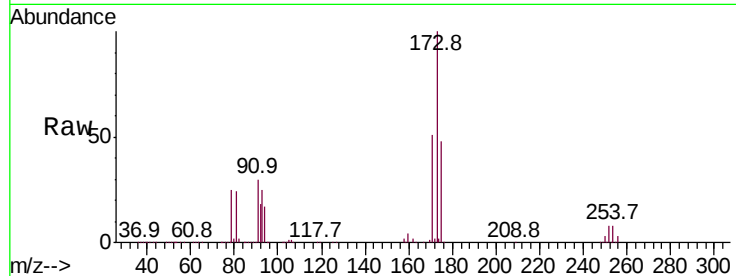
175 48.7 38.6 58.0

171 51.2 41.5 62.3

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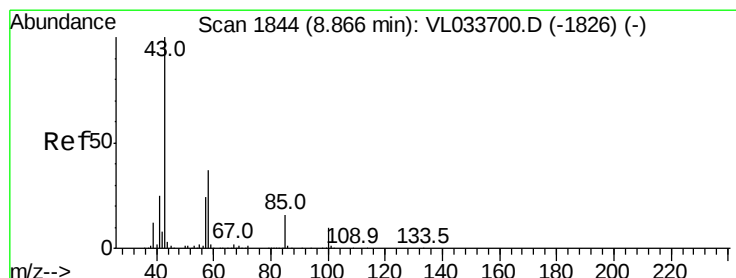
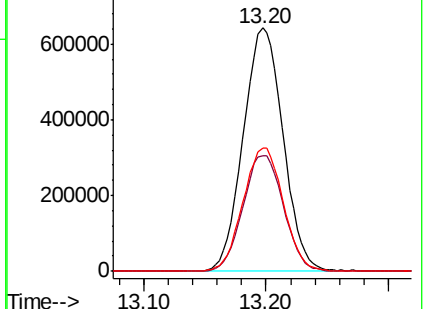
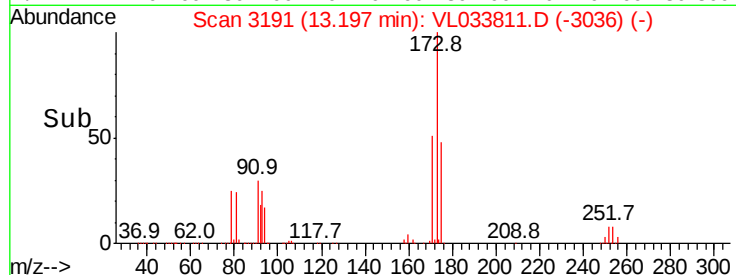
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.474 ppbv

RT: 8.86 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL033811.D

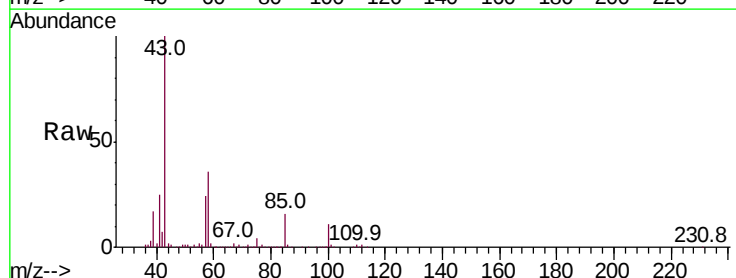
Acq: 28 May 2019 19:13

Tgt Ion: 43 Resp: 2087434

Ion Ratio Lower Upper

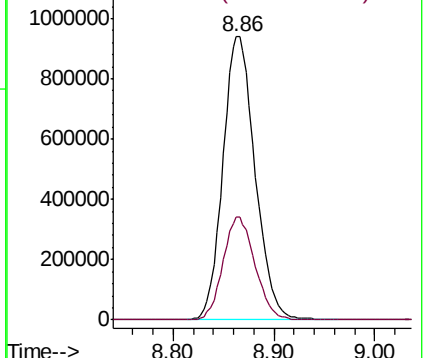
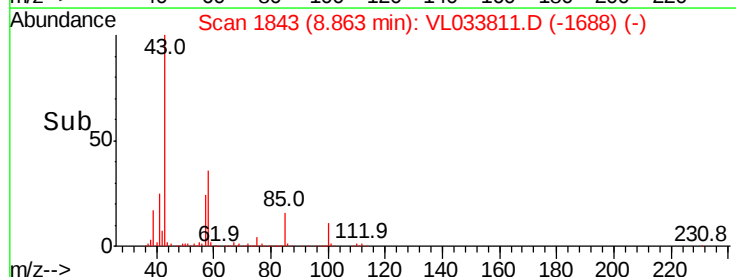
43 100

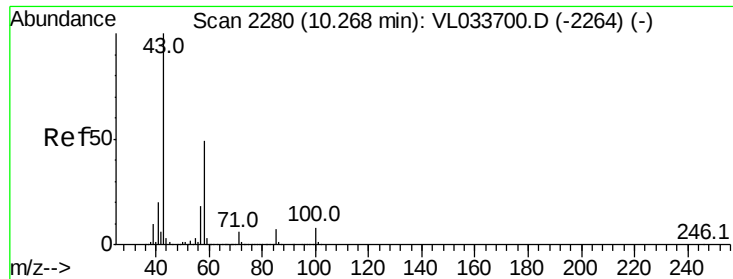
58 36.2 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





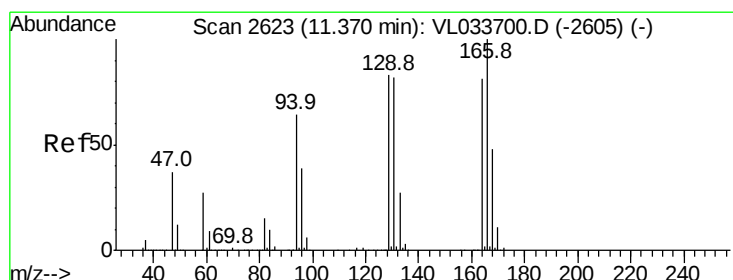
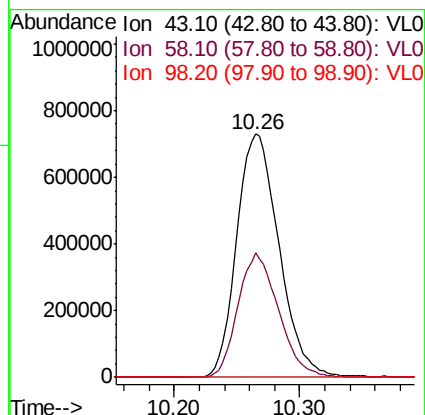
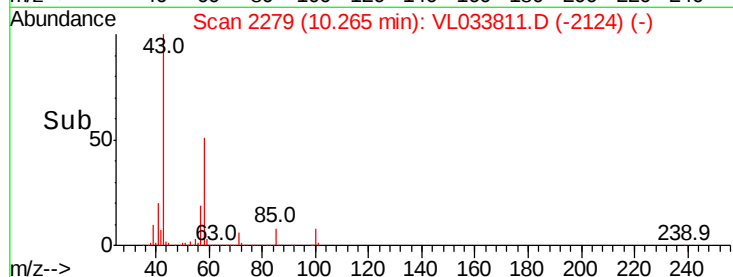
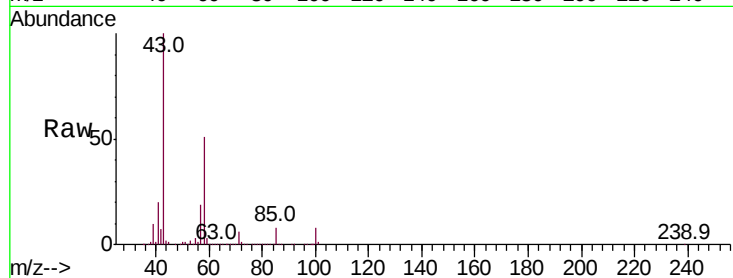
#51
2-Hexanone
Concen: 9.924 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1706474
Ion Ratio Lower Upper
43 100
58 49.1 38.7 58.1
98 0.2 0.2 0.4

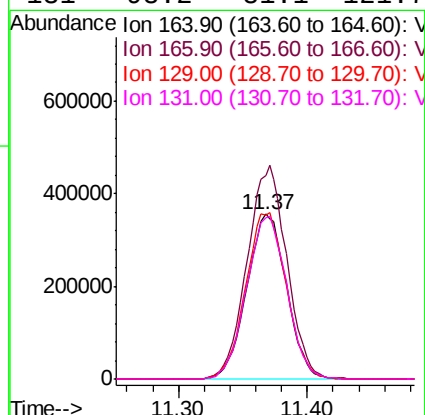
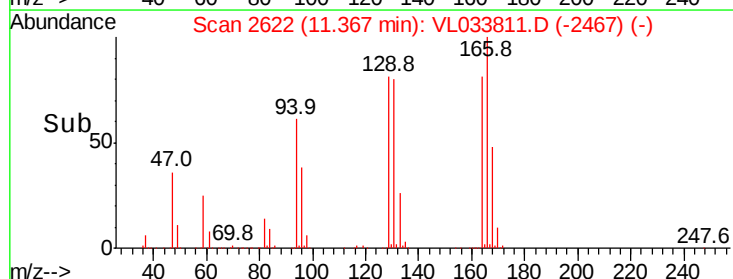
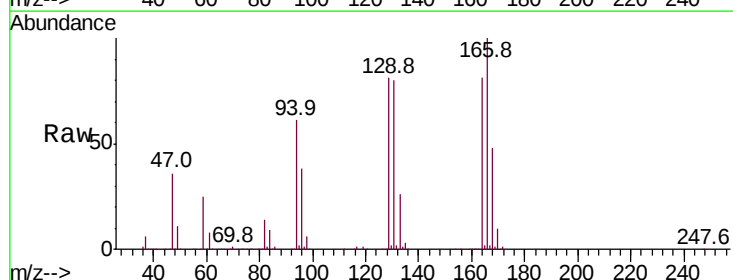
Manual Integrations
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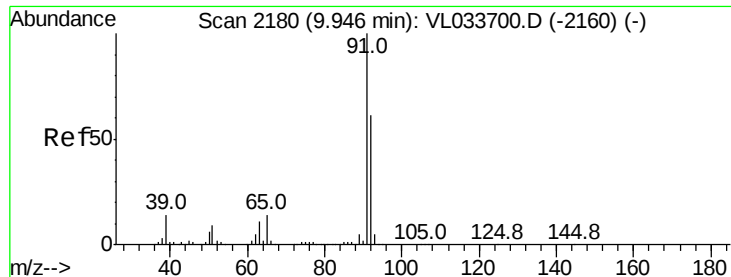
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#52
Tetrachloroethene
Concen: 10.326 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 164 Resp: 763022
Ion Ratio Lower Upper
164 100
166 123.4 98.9 148.3
129 100.0 81.8 122.6
131 98.2 81.1 121.7





#53

Toluene

Concen: 10.297 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion: 91 Resp: 2334744

Ion Ratio Lower Upper

91 100

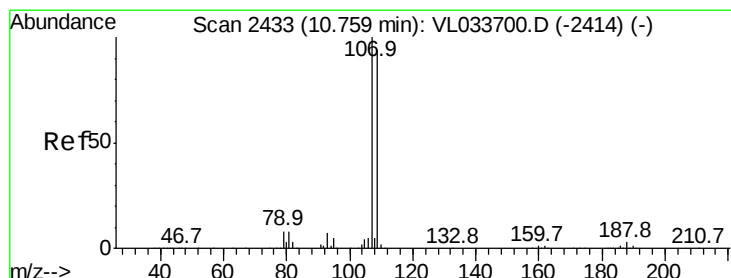
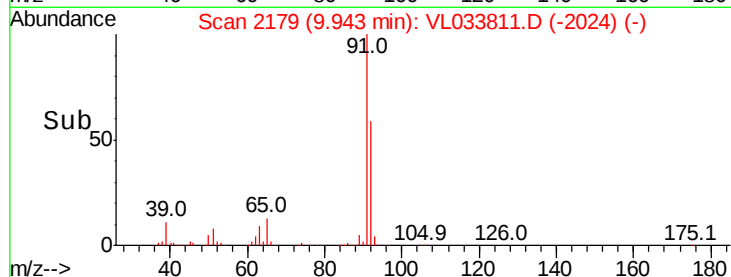
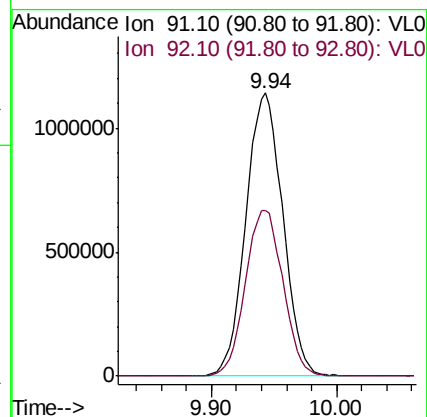
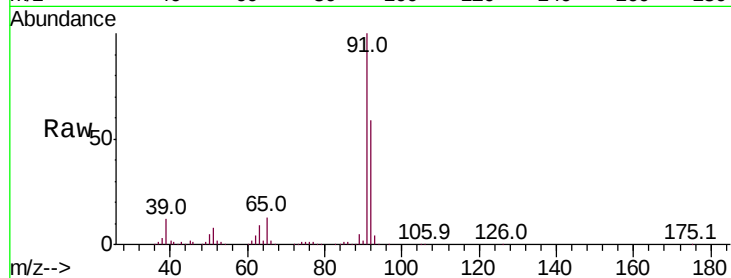
92 59.6 47.6 71.4

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.616 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033811.D

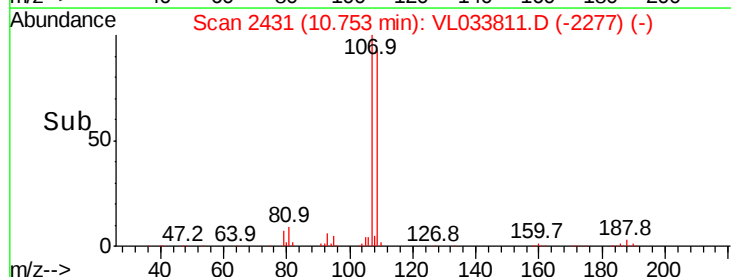
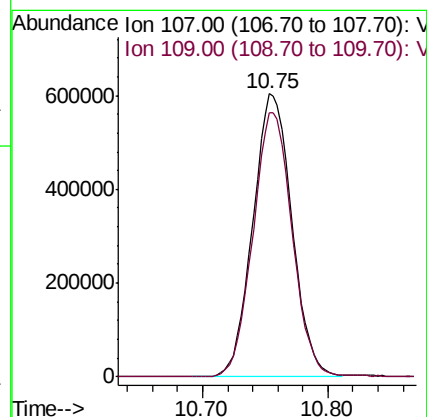
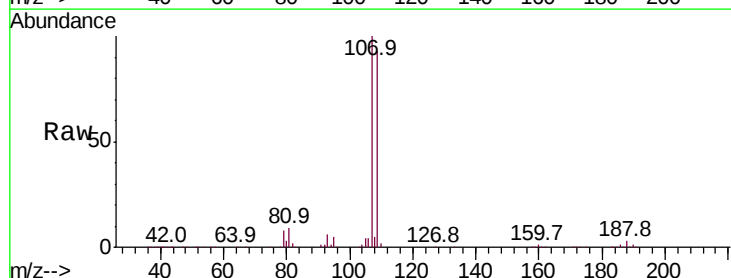
Acq: 28 May 2019 19:13

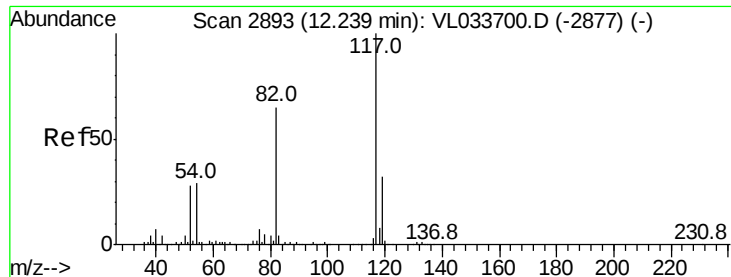
Tgt Ion:107 Resp: 1306555

Ion Ratio Lower Upper

107 100

109 93.5 75.2 112.8





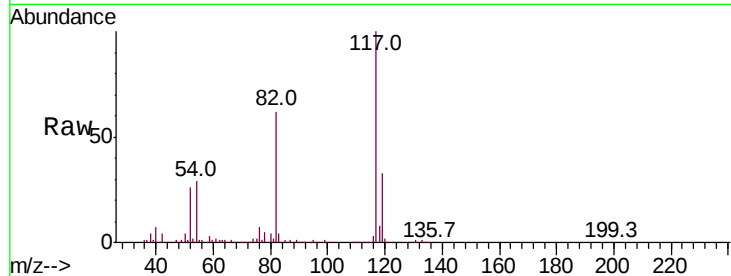
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.2	49.4	74.0
119	32.1	24.9	37.3

Manual Integrations
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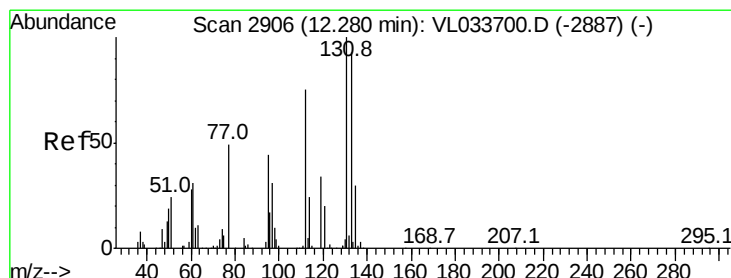
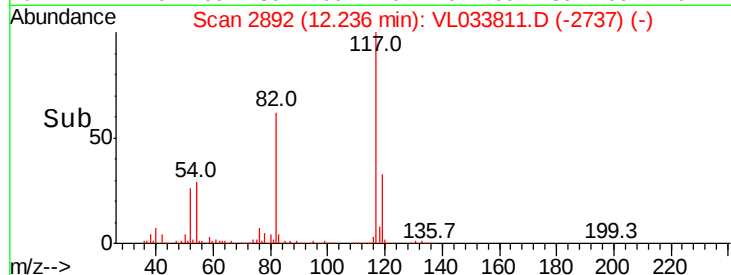
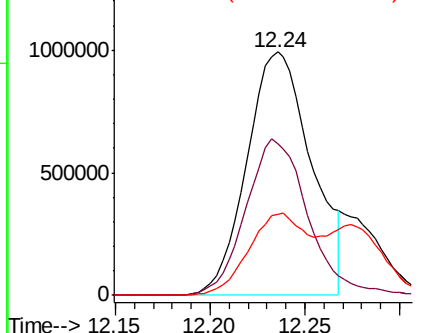


Abundance

Ion 117.10 (116.80 to 117.80): V

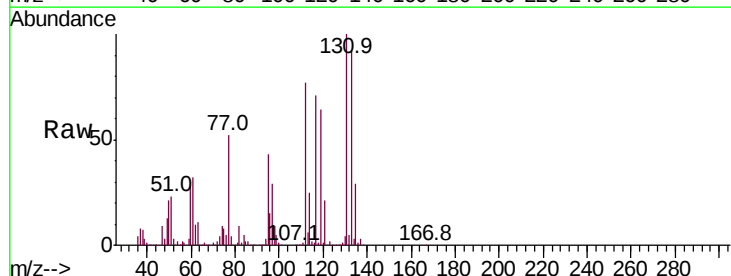
Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56
1,1,1,2-Tetrachloroethane
Concen: 9.220 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	76.6	114.8
119	53.1	49.0	73.4

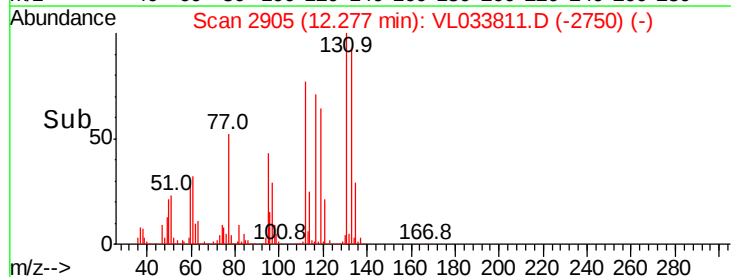
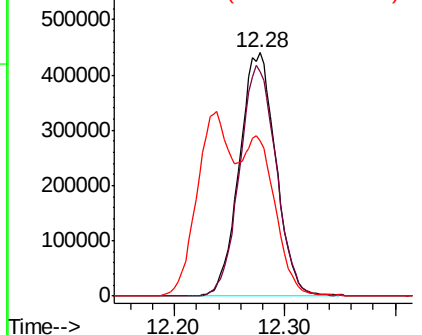


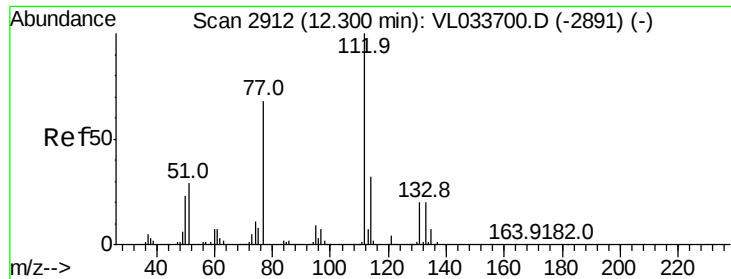
Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





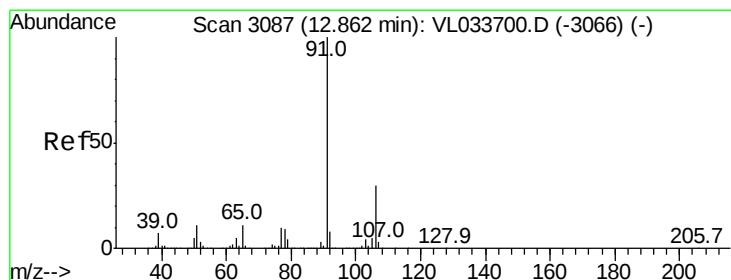
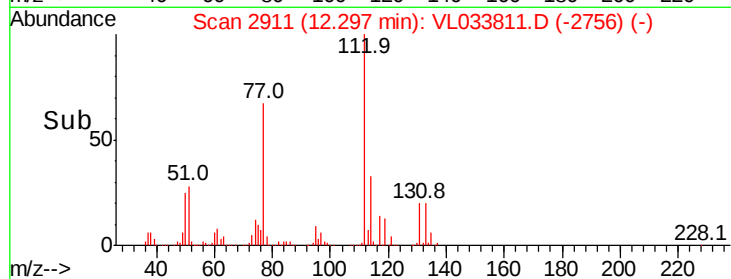
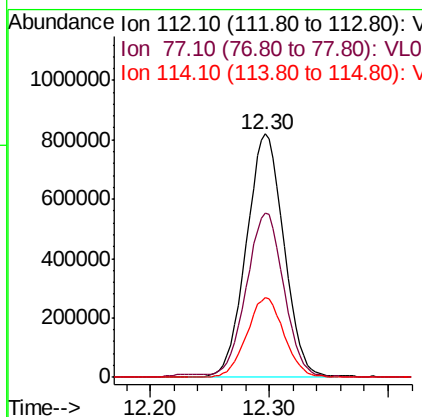
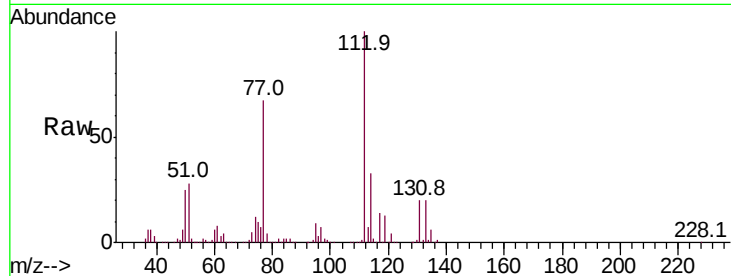
#57
Chlorobenzene
Concen: 9.198 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.8	55.4	83.0
114	32.6	29.3	35.8

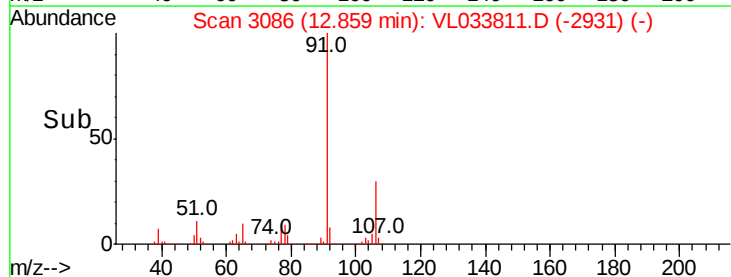
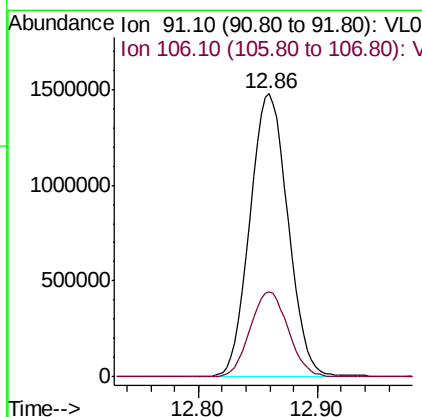
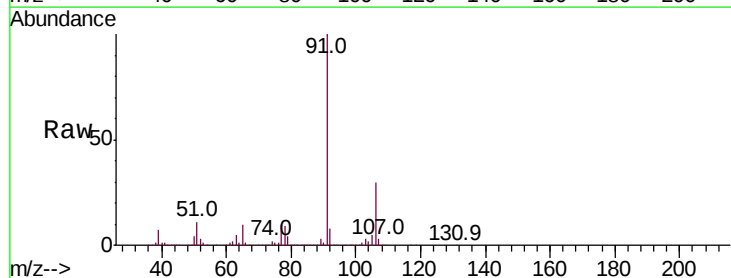
Manual Integrations
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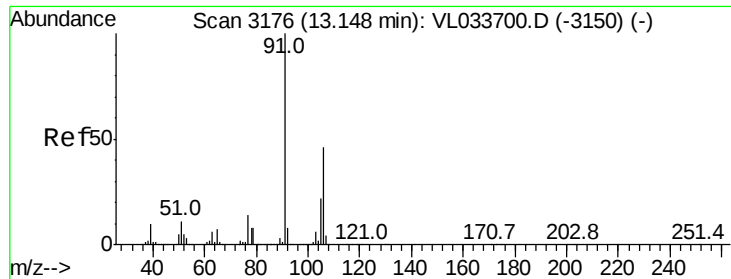
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#58
Ethyl Benzene
Concen: 10.468 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9





#59

m/p-Xylene

Concen: 20.805 ppbv m

RT: 13.15 min Scan# 3175

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 5684312

Ion Ratio Lower Upper

91 100

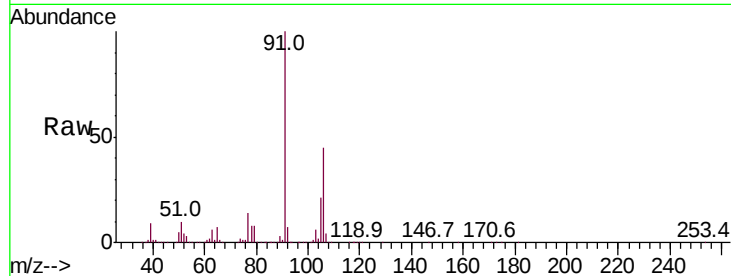
106 46.2 35.8 53.6

Manual Integrations

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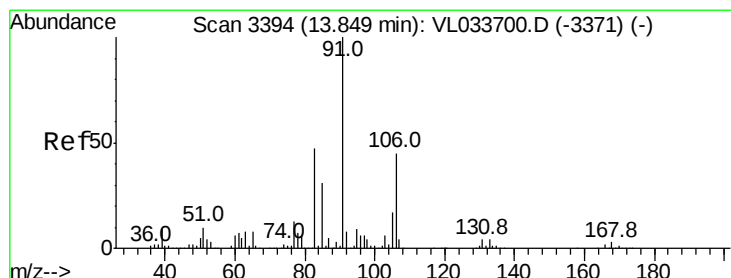
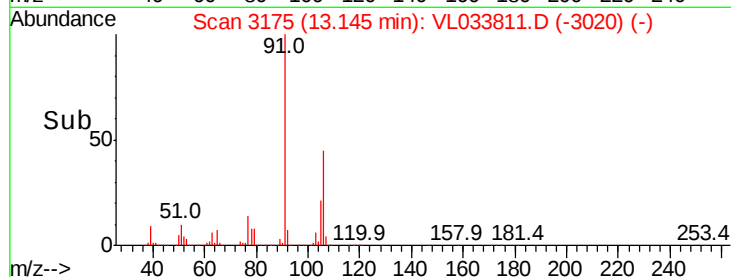
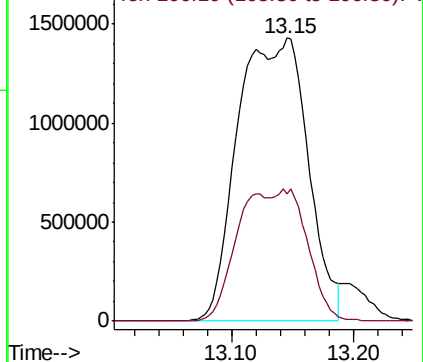
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 9.869 ppbv

RT: 13.85 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VL033811.D

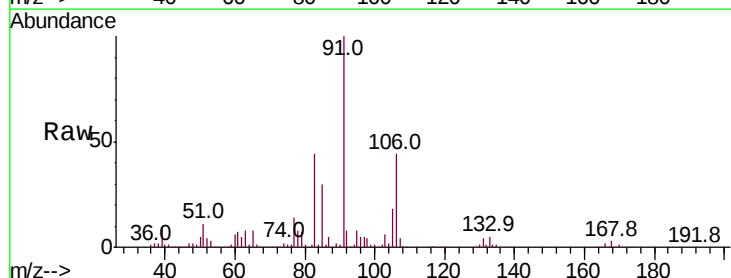
Acq: 28 May 2019 19:13

Tgt Ion: 91 Resp: 2718089

Ion Ratio Lower Upper

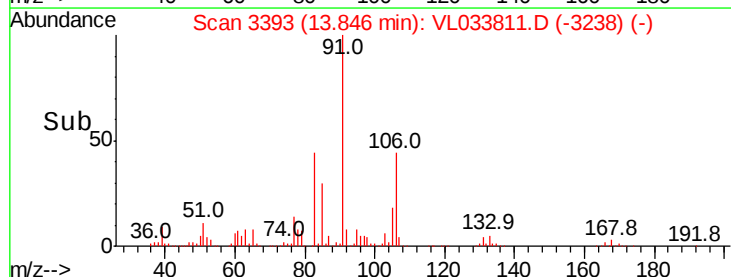
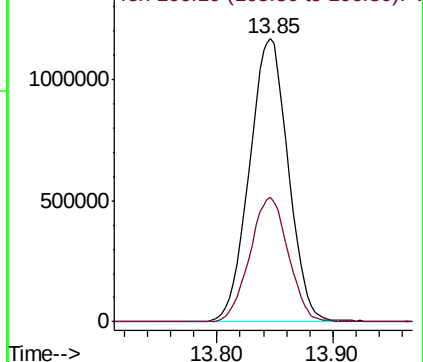
91 100

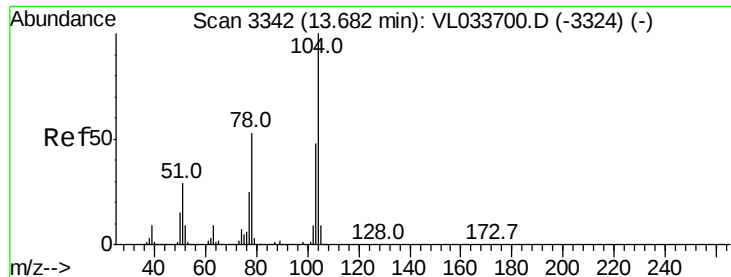
106 44.0 21.6 64.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 11.243 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2084897

Ion Ratio Lower Upper

104 100

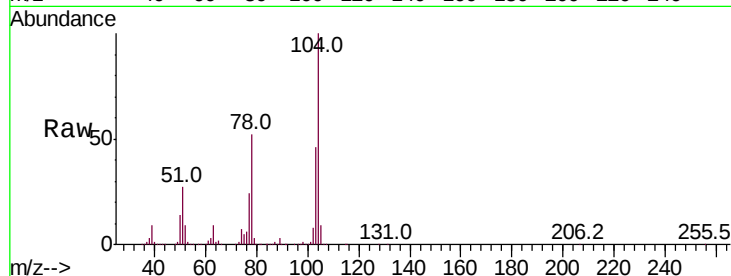
78 52.1 42.6 64.0

103 47.3 37.8 56.6

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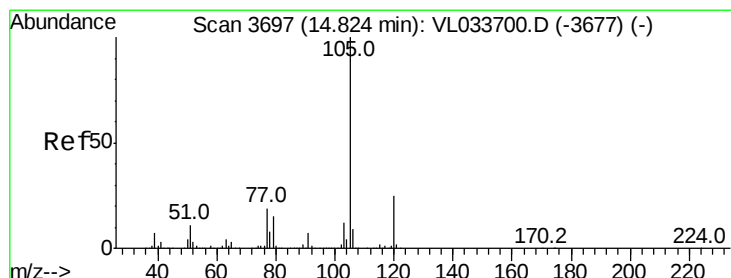
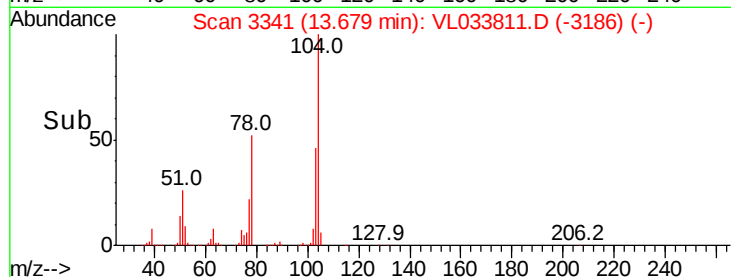
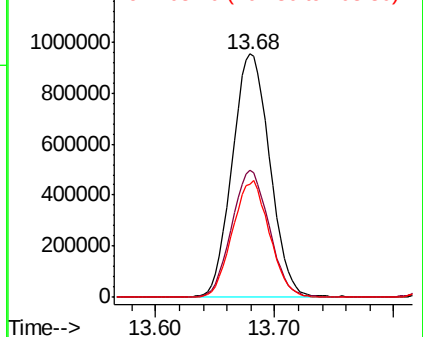
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.759 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033811.D

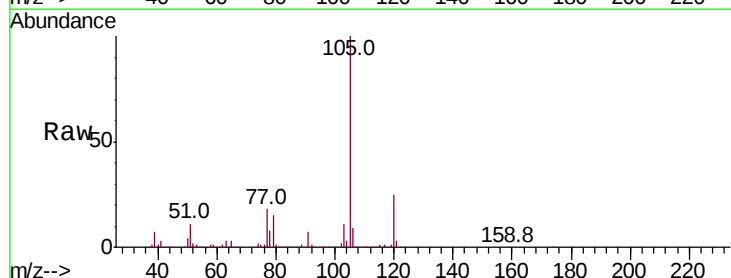
Acq: 28 May 2019 19:13

Tgt Ion:105 Resp: 3619852

Ion Ratio Lower Upper

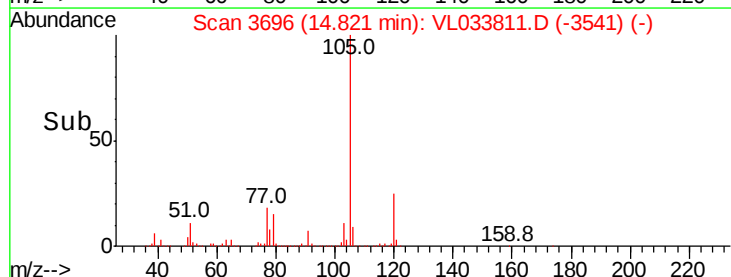
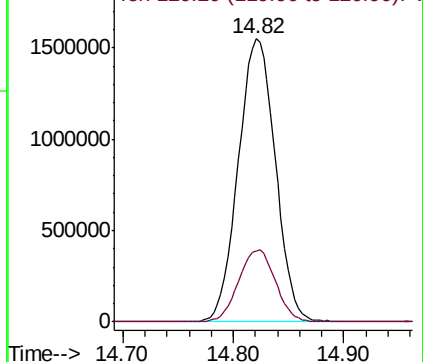
105 100

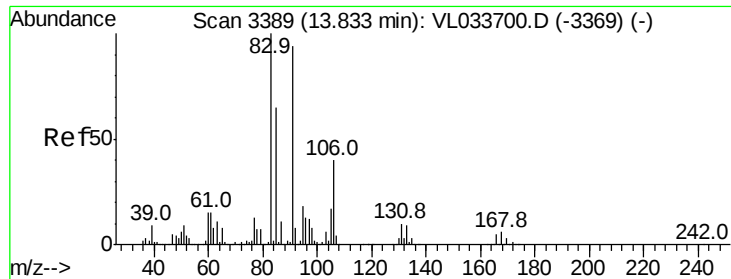
120 25.3 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





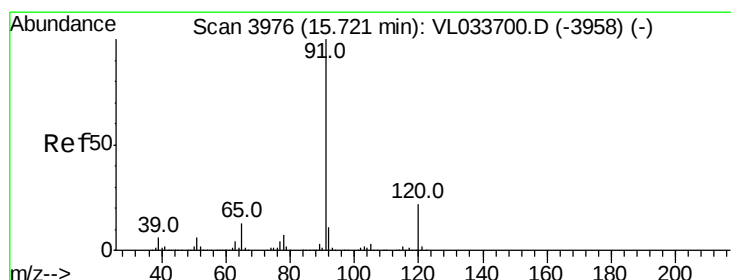
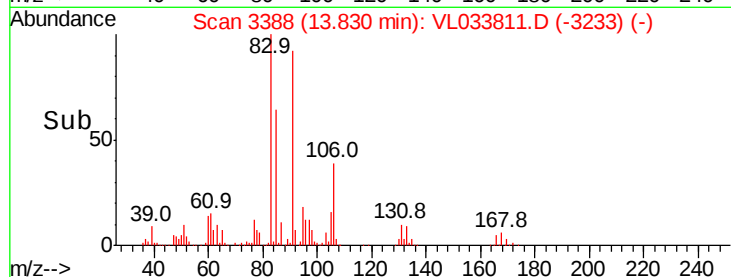
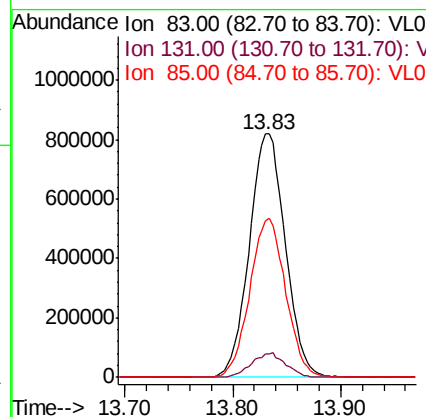
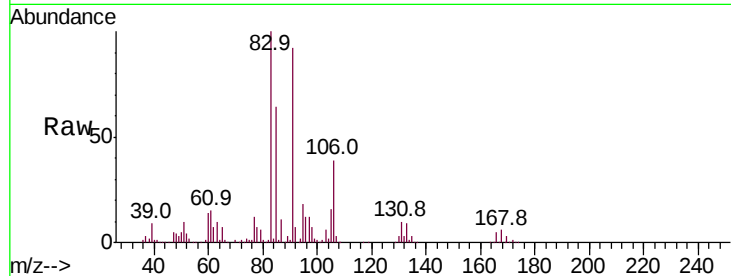
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.493 ppbv
 RT: 13.83 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	65.2	32.3	96.9

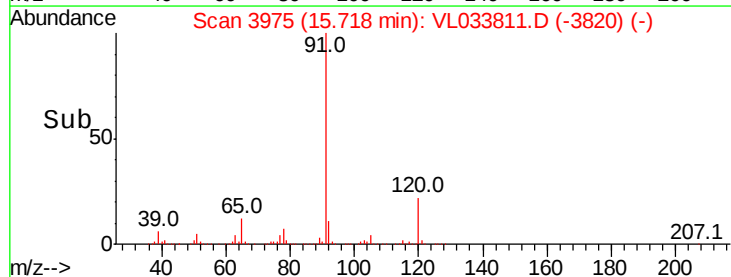
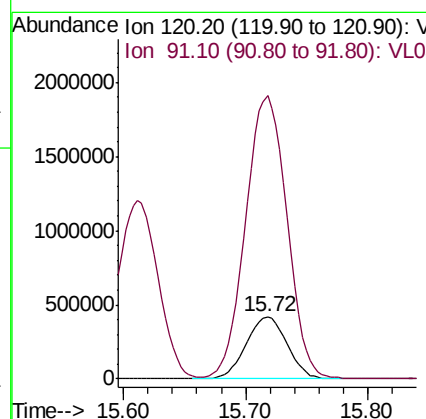
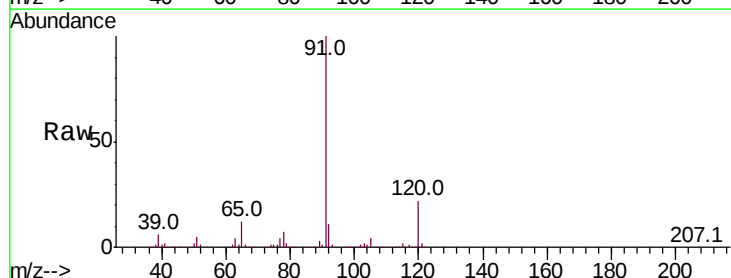
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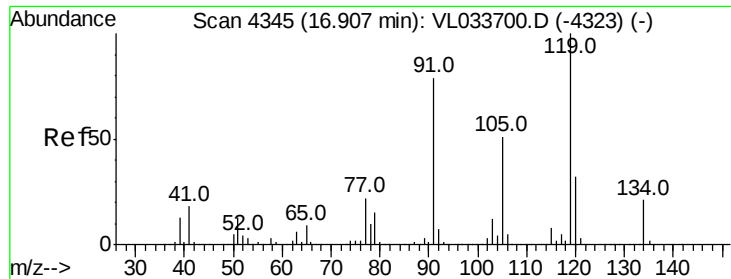
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#64
 n-propylbenzene
 Concen: 10.053 ppbv
 RT: 15.72 min Scan# 3975
 Delta R.T. -0.00 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Tgt Ion	Ratio	Lower	Upper
120	100		
91	466.6	379.1	568.7





#65
 tert-Butylbenzene
 Concen: 9.946 ppbv
 RT: 16.90 min Scan# 4344
 Delta R.T. -0.00 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

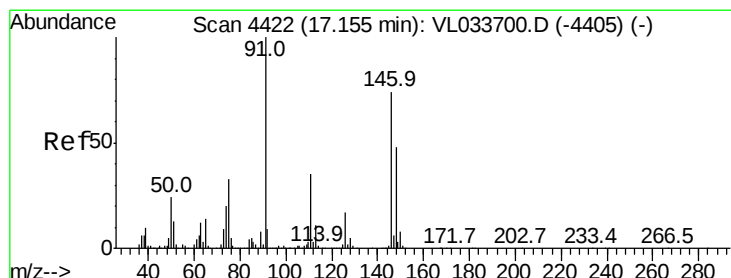
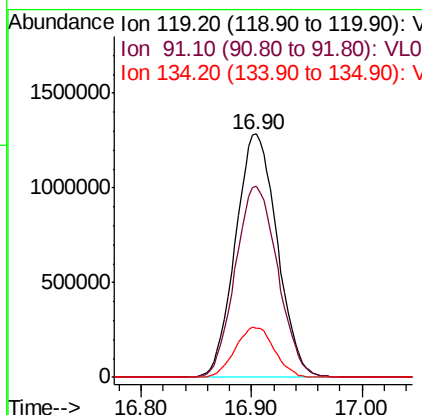
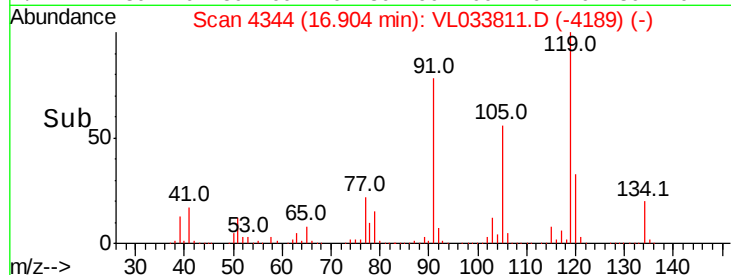
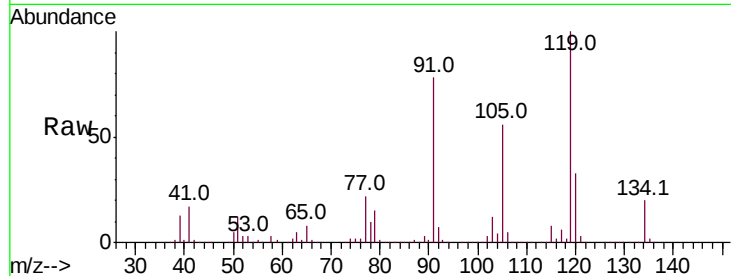
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 119 Resp: 3368257

Ion	Ratio	Lower	Upper
119	100		
91	80.2	65.3	97.9
134	19.5	15.7	23.5

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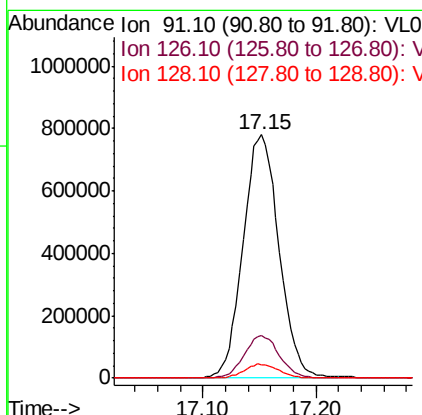
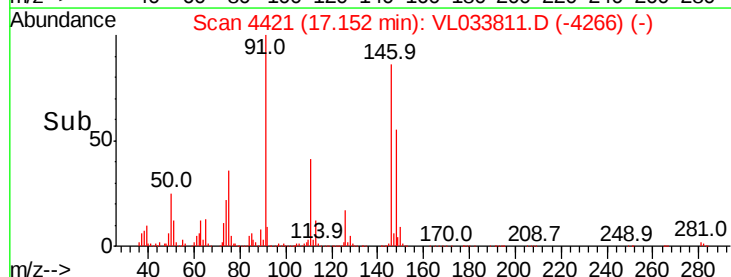
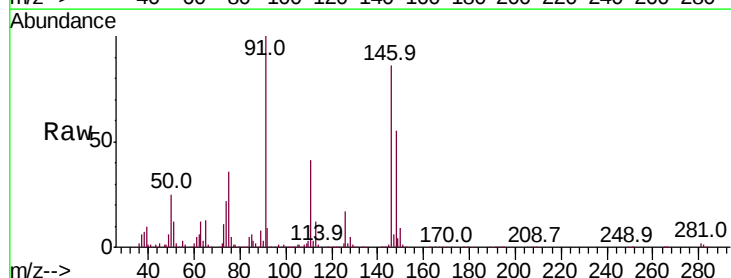
apatel
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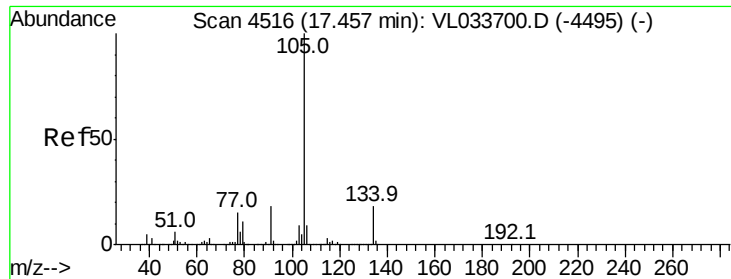


#66
 Benzyl Chloride
 Concen: 10.666 ppbv
 RT: 17.15 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Tgt Ion: 91 Resp: 1720390

Ion	Ratio	Lower	Upper
91	100		
126	17.1	13.5	20.3
128	5.5	4.3	6.5





#67

sec-Butylbenzene

Concen: 9.874 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4679971

Ion Ratio Lower Upper

105 100

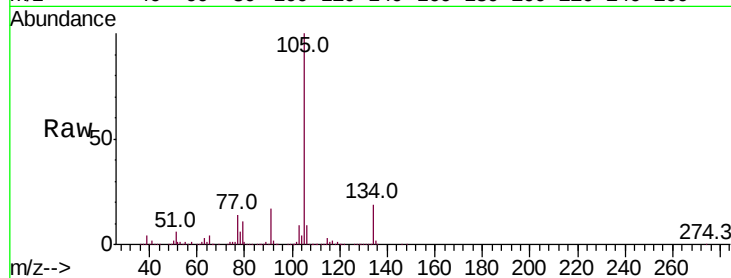
134 18.1 14.6 22.0

Manual Integrations

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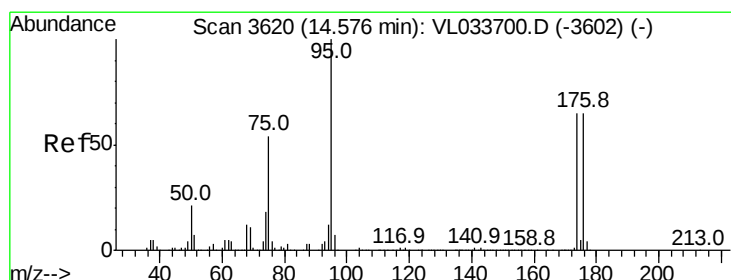
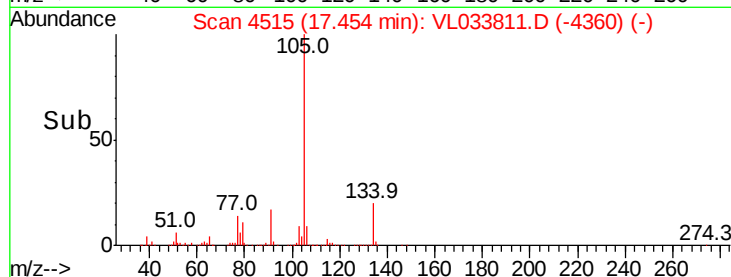
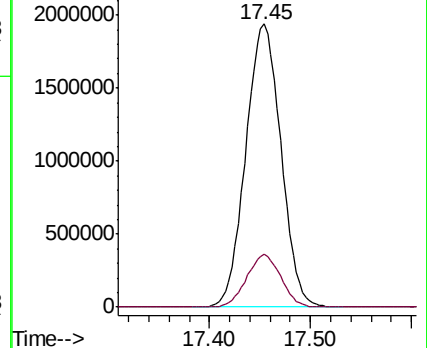
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.465 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

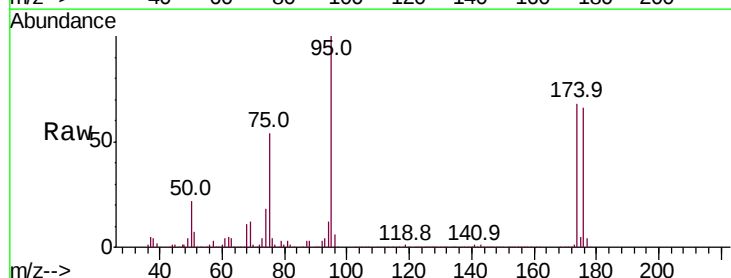
Tgt Ion: 95 Resp: 1810936

Ion Ratio Lower Upper

95 100

174 68.4 53.9 80.9

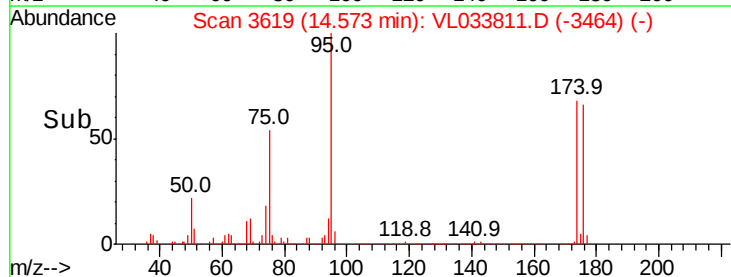
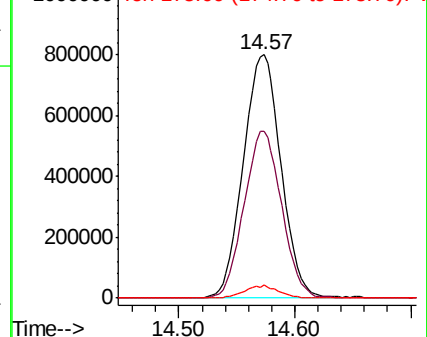
175 4.9 3.8 5.8

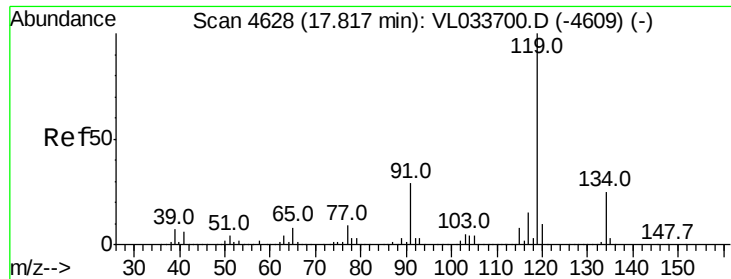


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





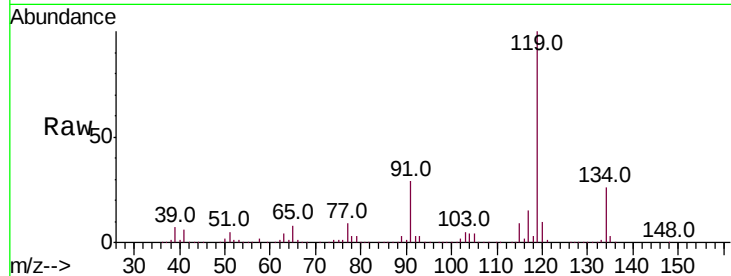
#69
 p-Isopropyltoluene
 Concen: 10.016 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

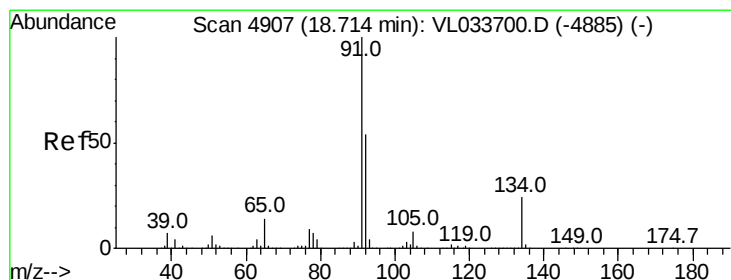
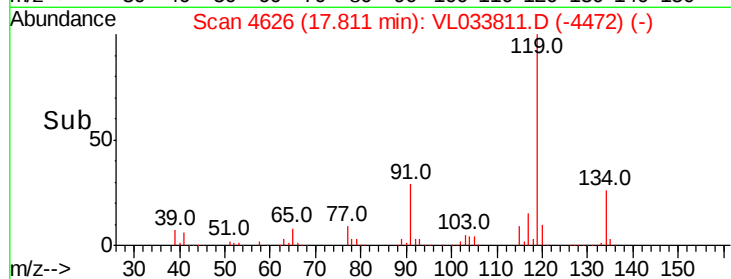
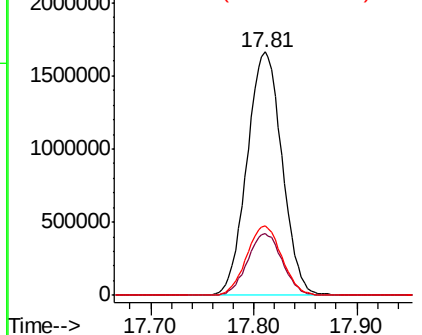
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	28.7	23.1	34.7

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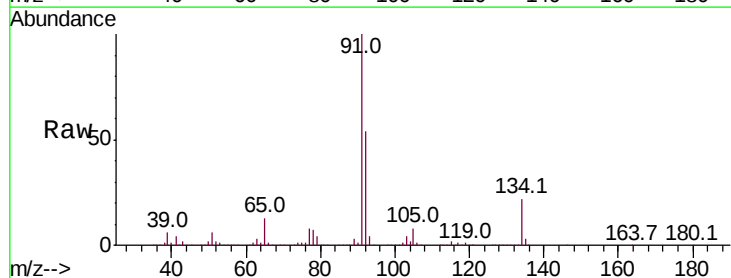


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

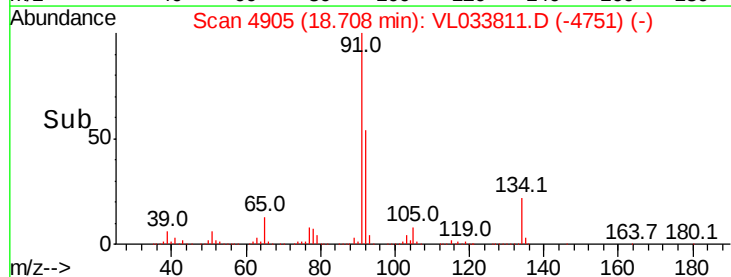
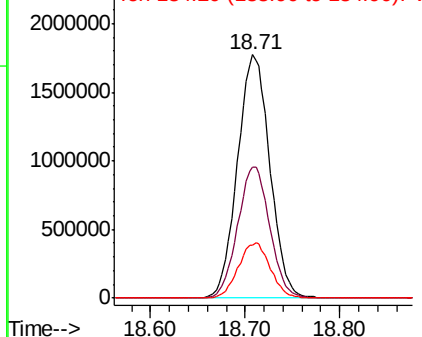


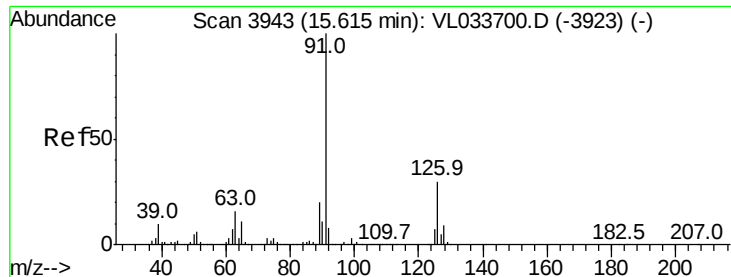
#70
 n-Butylbenzene
 Concen: 10.036 ppbv
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.6	63.8
134	22.5	18.1	27.1



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.981 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2746552

Ion Ratio Lower Upper

91 100

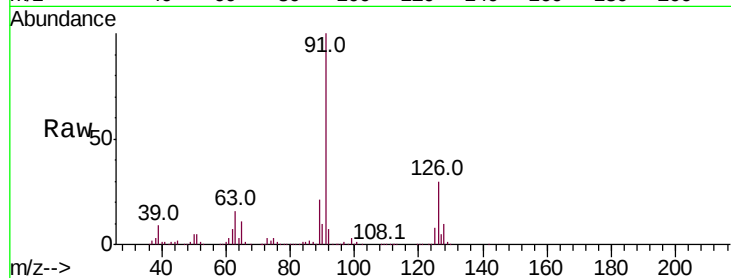
126 30.4 12.0 47.8

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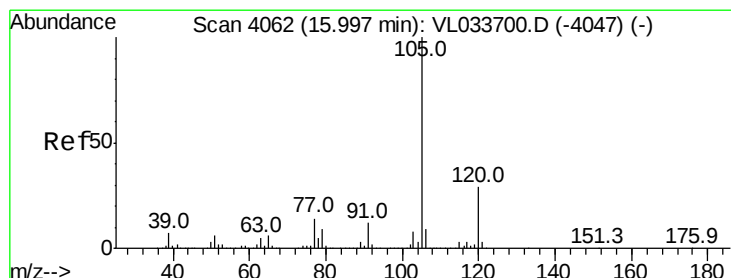
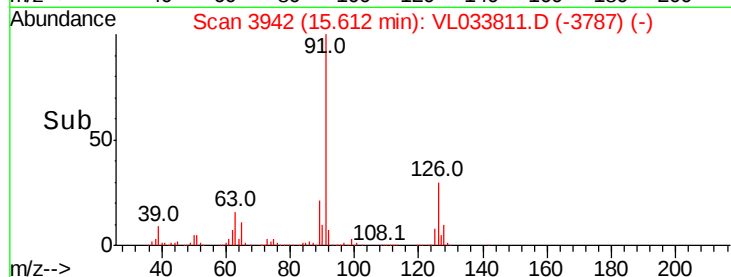
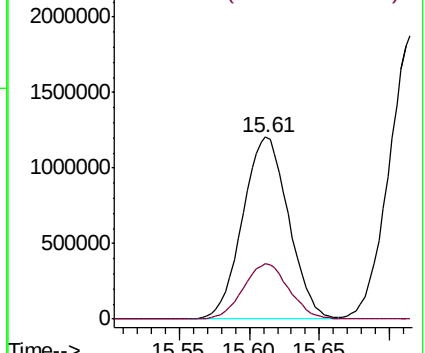
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.232 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Tgt Ion:105 Resp: 3222155

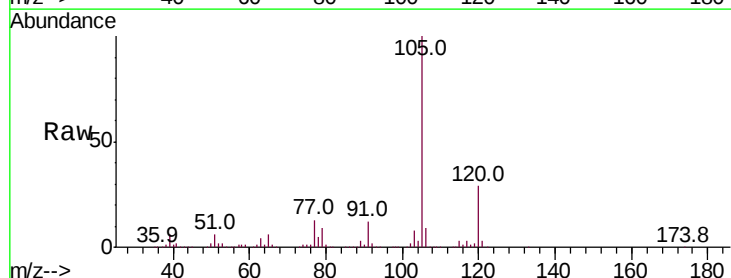
Ion Ratio Lower Upper

105 100

120 29.3 23.1 34.7

91 12.5 10.4 15.6

77 13.4 11.0 16.6

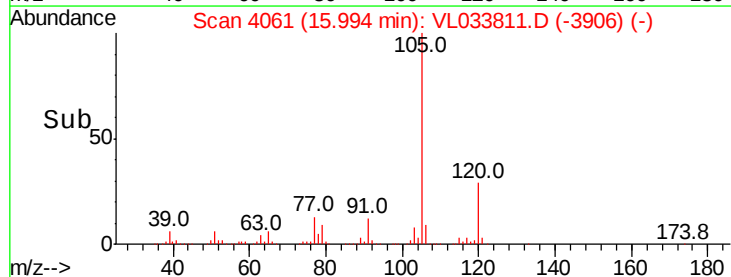
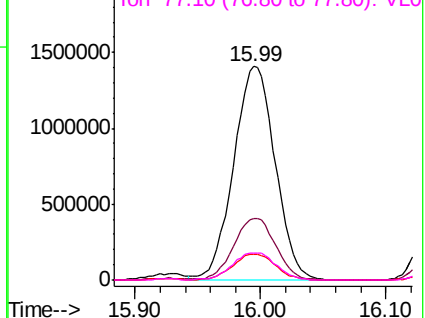


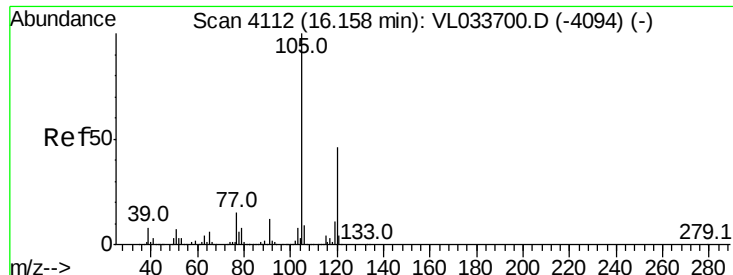
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.949 ppbv

RT: 16.16 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 3056792

Ion Ratio Lower Upper

105 100

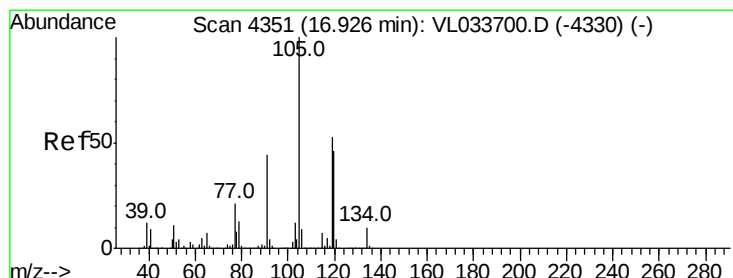
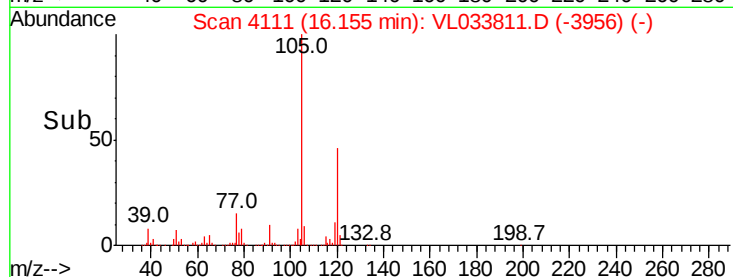
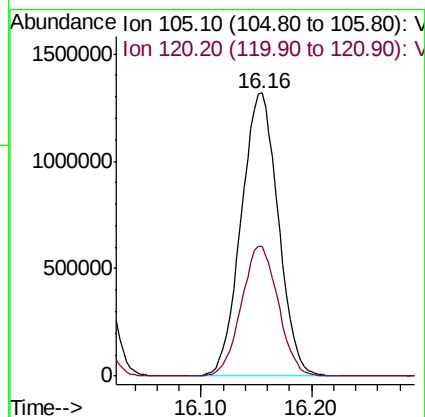
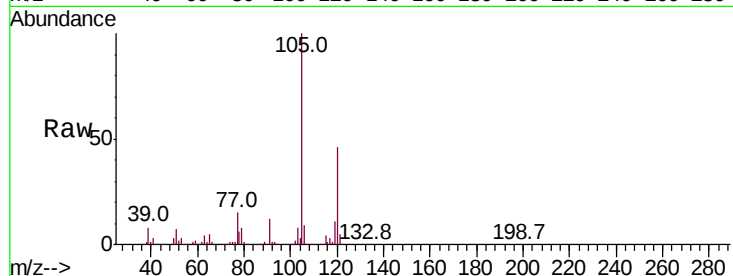
120 46.0 37.0 55.4

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#74

1,2,4-Trimethylbenzene

Concen: 9.581 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Tgt Ion:105 Resp: 3203687

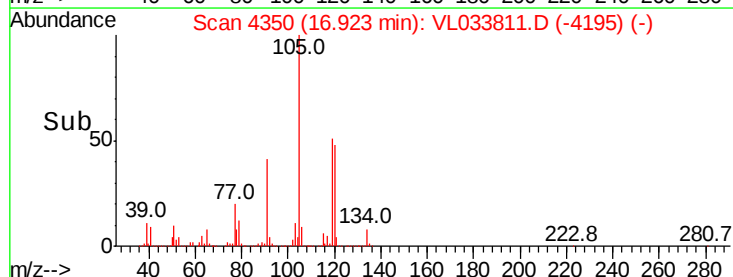
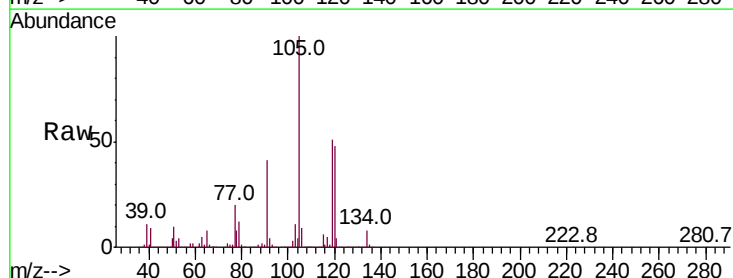
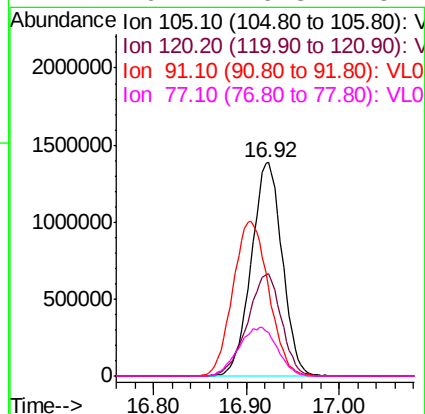
Ion Ratio Lower Upper

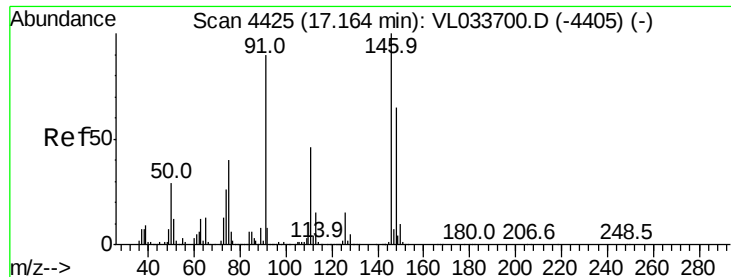
105 100

120 47.9 36.8 55.2

91 41.3 35.4 53.0

77 20.2 16.8 25.2





#75

1,3-Dichlorobenzene

Concen: 9.173 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1879531

Ion Ratio Lower Upper

146 100

111 45.1 22.9 68.8

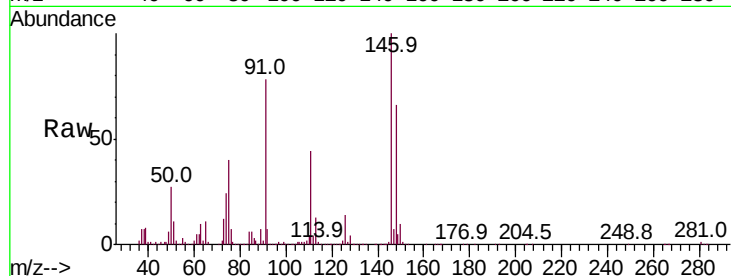
148 64.3 32.0 96.2

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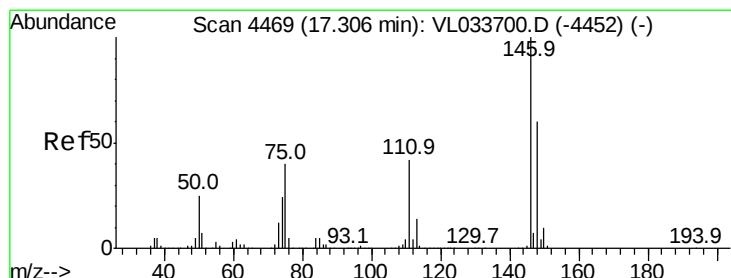
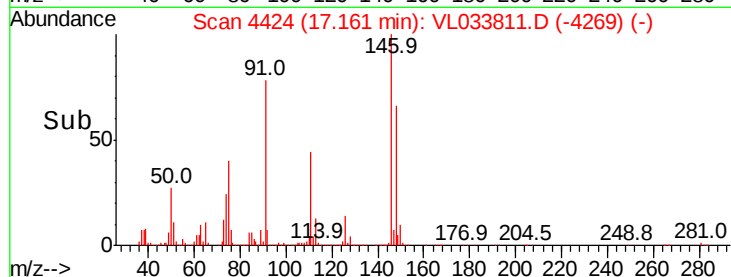
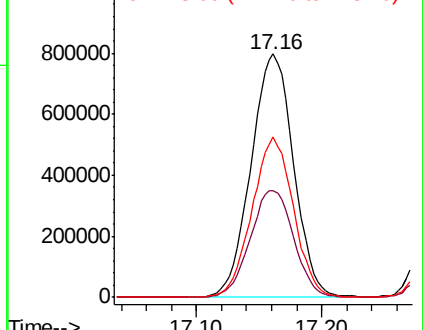
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.640 ppbv

RT: 17.30 min Scan# 4468

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

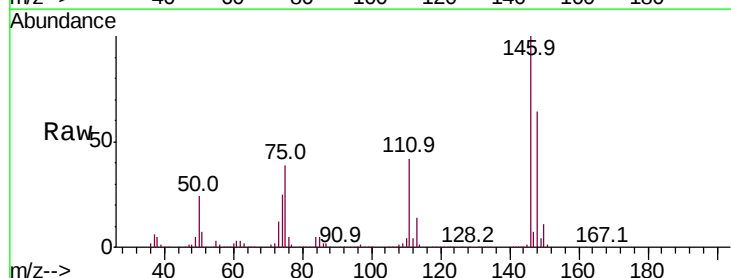
Tgt Ion:146 Resp: 1877433

Ion Ratio Lower Upper

146 100

111 43.0 21.9 65.8

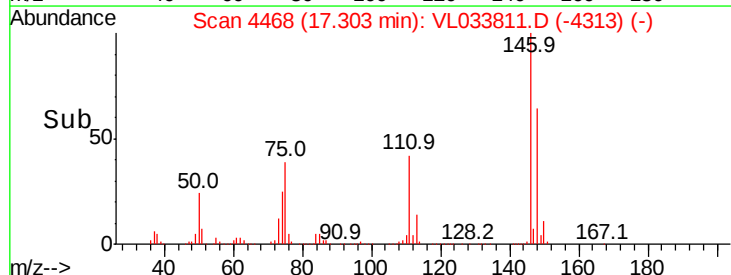
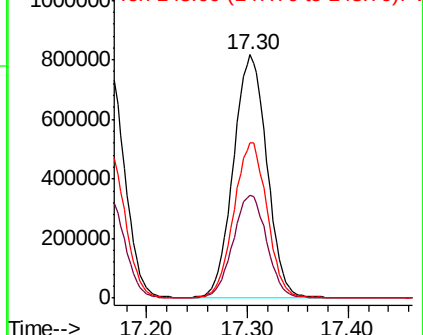
148 63.6 32.1 96.3

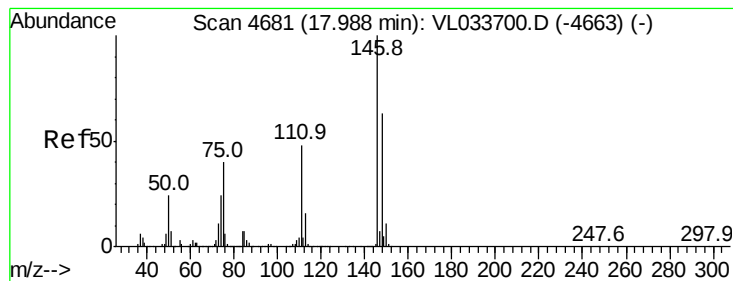


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.406 ppbv

RT: 17.98 min Scan# 4680

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1811073

Ion Ratio Lower Upper

146 100

111 46.4 23.5 70.5

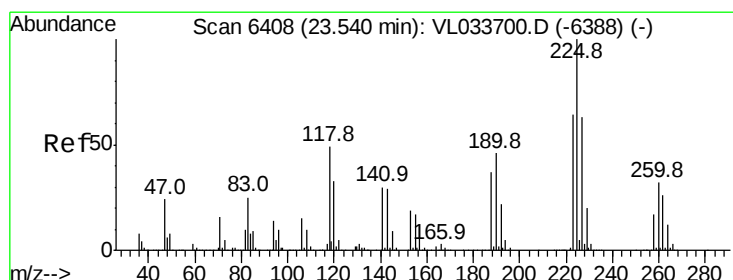
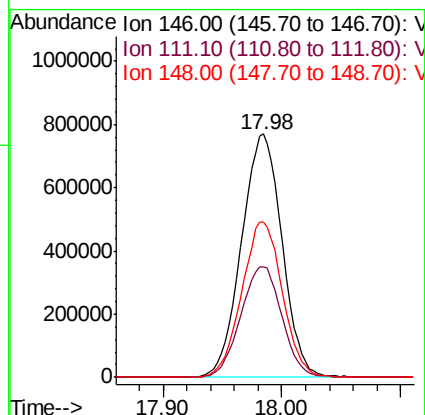
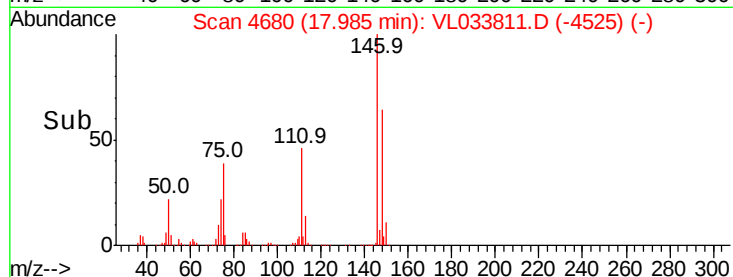
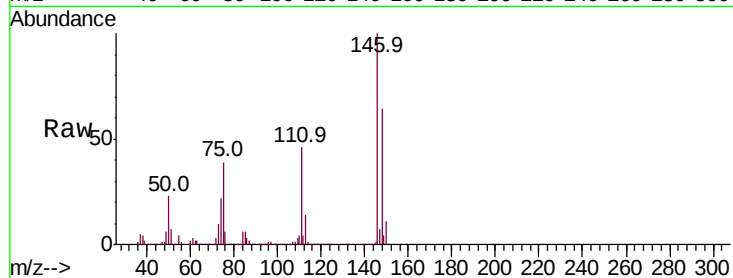
148 64.3 32.1 96.3

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#78

Hexachloro-1,3-Butadiene

Concen: 7.091 ppbv

RT: 23.54 min Scan# 6407

Delta R.T. -0.00 min

Lab File: VL033811.D

Acq: 28 May 2019 19:13

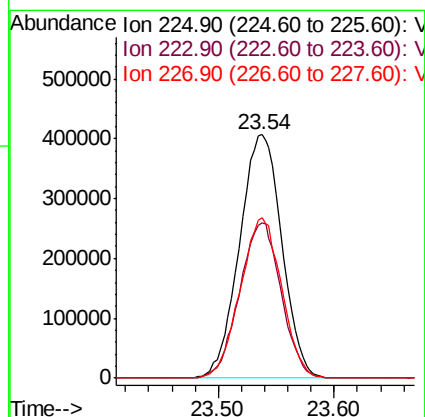
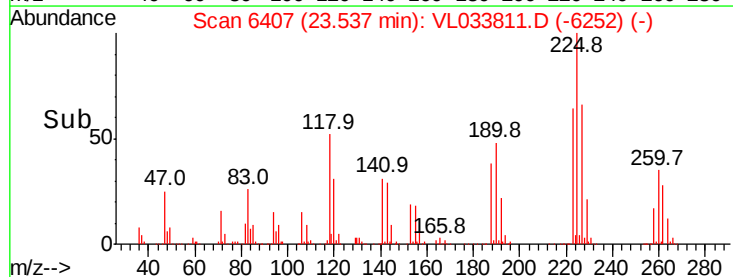
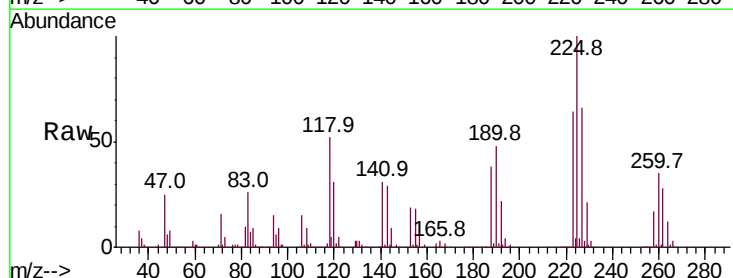
Tgt Ion:225 Resp: 1032230

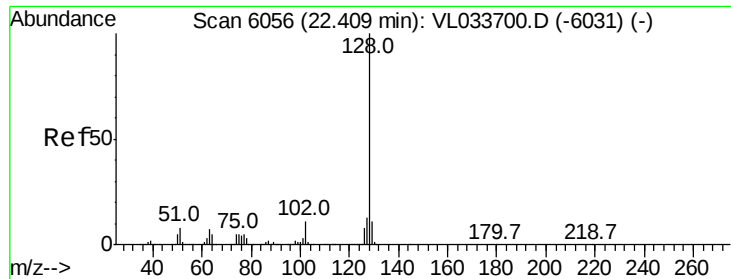
Ion Ratio Lower Upper

225 100

223 62.6 50.2 75.4

227 64.2 50.7 76.1





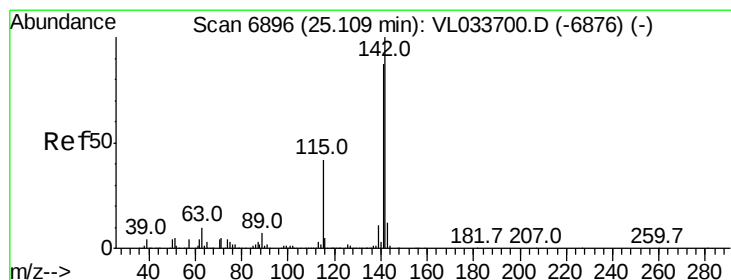
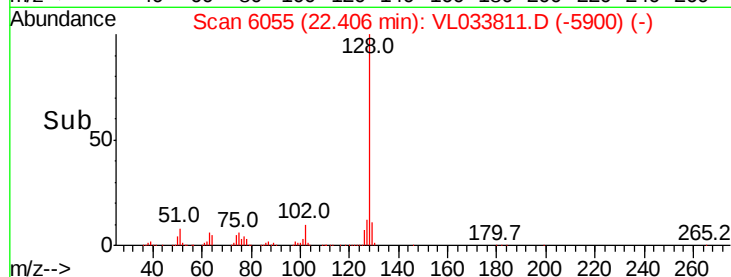
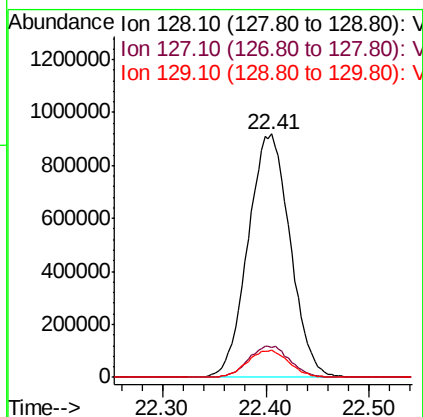
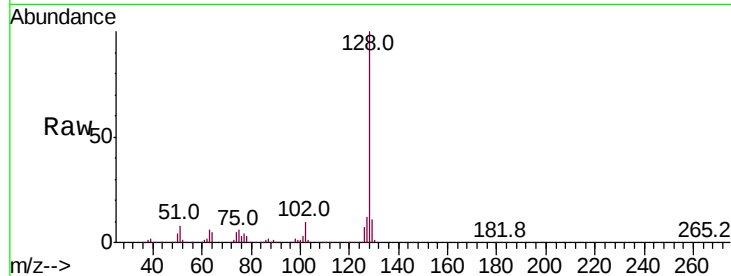
#79
Naphthalene
Concen: 8.354 ppbv
RT: 22.41 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	11.1	8.9	13.3

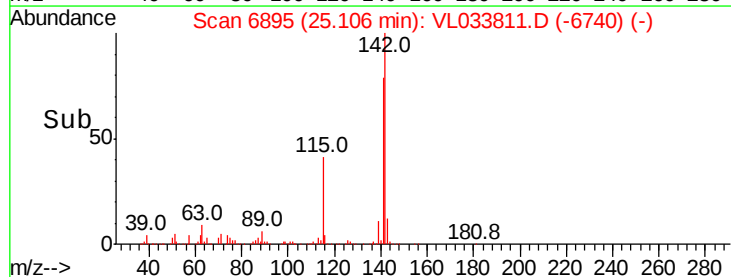
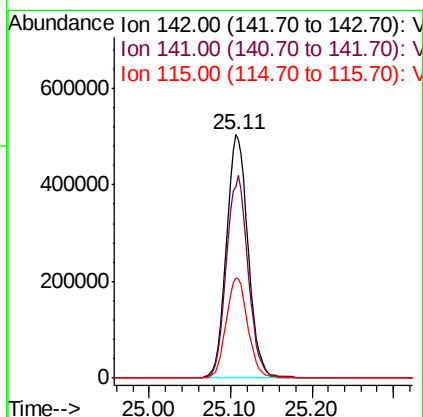
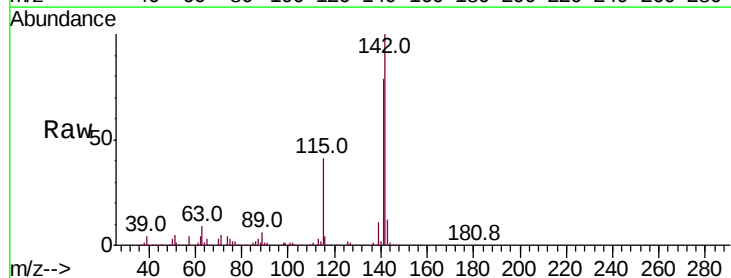
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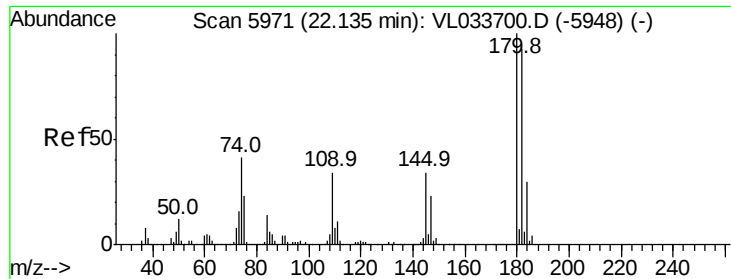
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#80
Naphthalene, 2-methyl-
Concen: 8.027 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.2	100.8
115	41.1	34.1	51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.192 ppbv
 RT: 22.13 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL033811.D
 Acq: 28 May 2019 19:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	30.5	24.6	37.0

Manual Integrations
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