

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033897.D
 Acq On : 7 Jun 2019 20:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 9:19:05 AM

Quant Time: Jun 08 04:44:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	985042	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2234807	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2356938m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1947790	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1274646	7.975	ppbv 100
3) Chlorodifluoromethane	3.01	51	1025011	8.839	ppbv 100
4) Chloromethane	3.16	50	581188	8.787	ppbv 100
5) Vinyl Chloride	3.28	62	591386	9.636	ppbv 97
6) Bromomethane	3.51	94	373417	9.158	ppbv 93
7) Chloroethane	3.59	64	222673	9.174	ppbv 99
8) Dichlorotetrafluoroethane	3.21	85	1570459	9.194	ppbv 99
9) Propene	3.03	41	414280	9.548	ppbv 99
10) Heptane	8.24	43	1235344	11.264	ppbv 99
11) Trichlorofluoromethane	3.99	101	1907694	9.250	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1392185	9.988	ppbv 99
13) Ethanol	3.64	45	101426	7.184	ppbv 99
14) Bromoethene	3.78	108	505894	9.740	ppbv 100
15) Acetone	3.89	43	1180403	8.216	ppbv 98
16) 1,3-Butadiene	3.35	39	533144	9.750	ppbv 99
17) tert-Butyl alcohol	4.35	59	1222699	10.887	ppbv 100
18) 1,1-Dichloroethene	4.35	96	606632	10.304	ppbv 94
19) Isopropyl Alcohol	4.01	45	856817	10.440	ppbv 100
20) Methylene Chloride	4.40	84	515418	9.200	ppbv 98
21) Allyl Chloride	4.47	41	873132	10.699	ppbv 99
22) trans-1,2-Dichloroethene	4.95	96	629504	10.144	ppbv 97
23) Vinyl Acetate	5.15	43	1773442	10.620	ppbv 99
24) 1,1-Dichloroethane	5.08	63	1301118	10.018	ppbv 99
25) Ethyl Acetate	5.76	43	2227672	10.182	ppbv 100
26) Hexane	5.77	57	970316	9.741	ppbv 99
27) Carbon Disulfide	4.61	76	1545520	11.167	ppbv 99
28) Methyl tert-Butyl Ether	5.10	73	1608406	10.677	ppbv 100
29) Chloroform	5.84	83	1714368	10.048	ppbv 96
30) Cyclohexane	7.24	84	788794	11.207	ppbv 98
31) cis-1,2-Dichloroethene	5.63	61	985758	11.285	ppbv 99
32) 1,1,1-Trichloroethane	6.61	97	1761819	10.705	ppbv 99
34) 2-Butanone	5.32	43	1410116	11.185	ppbv 100
35) Carbon Tetrachloride	7.12	117	1904072	11.028	ppbv 96
36) Benzene	6.99	78	1904484	11.156	ppbv 100
37) 1,2-Dichloroethane	6.40	62	1348956	10.685	ppbv 99
38) Trichloroethene	7.95	130	820365	12.342	ppbv 98
39) 1,2-Dichloropropane	7.73	63	722784	10.970	ppbv 94
40) 1,4-Dioxane	7.94	88	335524	12.486	ppbv 96
41) Tetrahydrofuran	6.14	42	772321	12.069	ppbv 98
42) Bromodichloromethane	7.91	83	1873931	11.107	ppbv 100
43) Methyl Methacrylate	8.13	69	785894	12.309	ppbv 96

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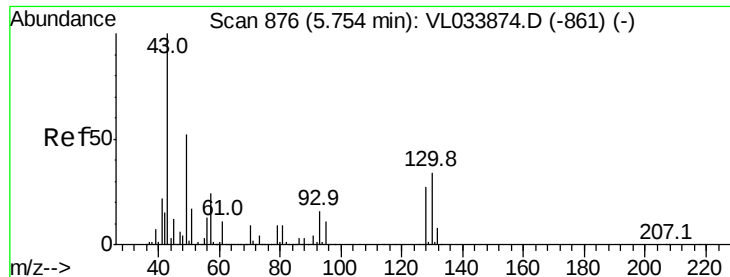
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3382250	11.141	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1105934	13.201	ppbv	98
46) cis-1,3-Dichloropropene	8.82	75	1243694	12.958	ppbv	95
47) 1,1,2-Trichloroethane	9.61	97	844132	10.747	ppbv	95
48) Dibromochloromethane	10.44	129	1627793	11.532	ppbv	98
49) Bromoform	13.19	173	1458329	11.703	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2195459	11.678	ppbv	100
51) 2-Hexanone	10.26	43	1785893	12.165	ppbv #	99
52) Tetrachloroethene	11.36	164	788937	13.134	ppbv	97
53) Toluene	9.93	91	2321048	12.286	ppbv	99
54) 1,2-Dibromoethane	10.75	107	1347225	11.378	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.27	131	1076870	10.459	ppbv	99
57) Chlorobenzene	12.29	112	1833671	10.388	ppbv	99
58) Ethyl Benzene	12.85	91	3249131	12.227	ppbv	96
59) m/p-Xylene	13.14	91	5517576m	22.833	ppbv	
60) o-Xylene	13.84	91	2809519	11.261	ppbv	100
61) Styrene	13.67	104	2019187	12.506	ppbv	99
62) Isopropylbenzene	14.81	105	3755372	11.168	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1982981	10.559	ppbv	99
64) n-propylbenzene	15.71	120	972098	11.289	ppbv	100
65) tert-Butylbenzene	16.90	119	3539733	11.376	ppbv	100
66) Benzyl Chloride	17.15	91	1883314	11.944	ppbv	99
67) sec-Butylbenzene	17.44	105	4885187	11.191	ppbv	100
69) p-Isopropyltoluene	17.80	119	4030265	11.097	ppbv	100
70) n-Butylbenzene	18.70	91	4175561	10.497	ppbv	100
71) 2-Chlorotoluene	15.61	91	2870650	11.588	ppbv	99
72) 4-Ethyltoluene	15.99	105	3294706	11.604	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	3187043	11.396	ppbv	98
74) 1,2,4-Trimethylbenzene	16.91	105	3391755	10.522	ppbv	99
75) 1,3-Dichlorobenzene	17.15	146	1937310	9.597	ppbv	99
76) 1,4-Dichlorobenzene	17.29	146	1898201	10.241	ppbv	100
77) 1,2-Dichlorobenzene	17.97	146	1858779	9.978	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	1148395	7.893	ppbv	99
79) Naphthalene	22.40	128	2603074	10.103	ppbv	98
80) Naphthalene, 2-methyl-	25.10	142	895730	8.713	ppbv	99
81) 1,2,4-Trichlorobenzene	22.12	180	1505063	9.253	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.00 min

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MSVOA_L

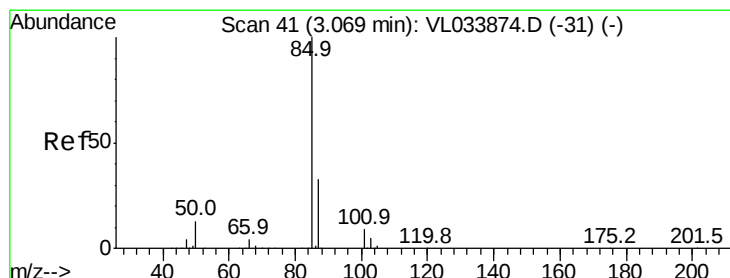
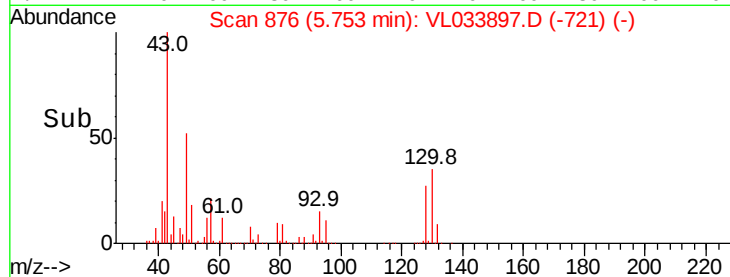
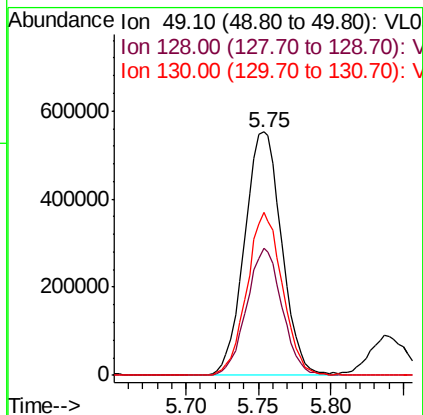
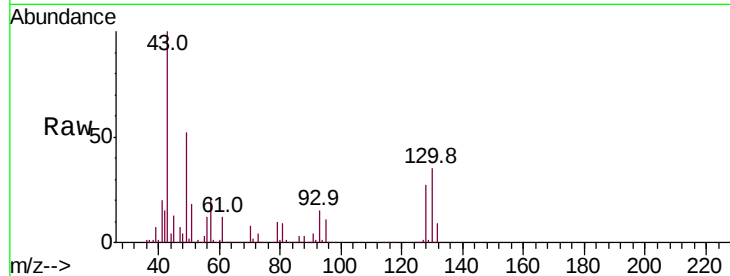
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
49	100		
128	49.9	25.5	76.5
130	64.1	32.5	97.4

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#2

Dichlorodifluoromethane

Concen: 7.975 ppbv

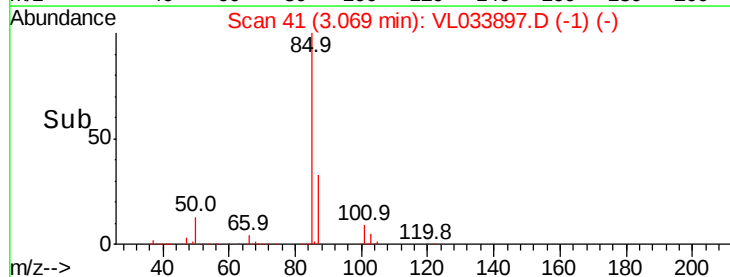
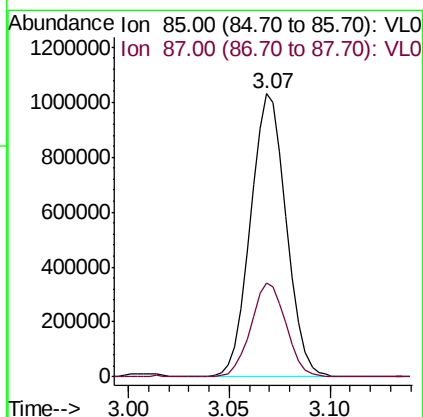
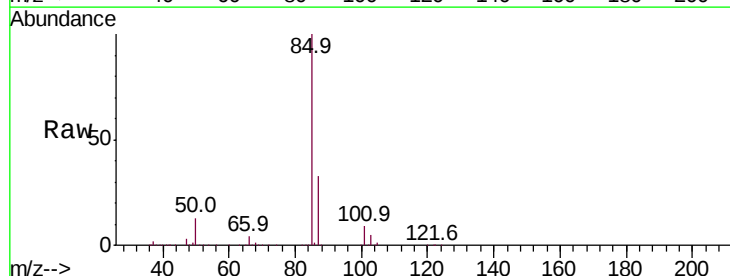
RT: 3.07 min Scan# 41

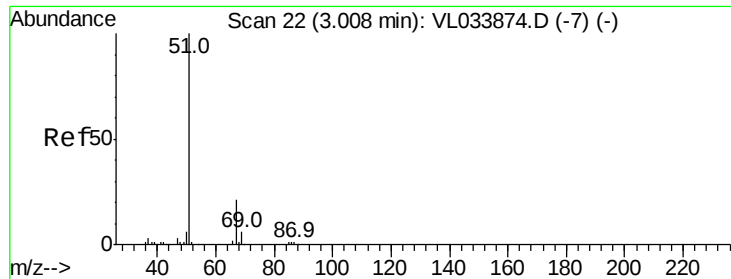
Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.6	40.0





#3

Chlorodifluoromethane

Concen: 8.839 ppbv

RT: 3.01 min Scan# 22

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1025011

Ion Ratio Lower Upper

51 100

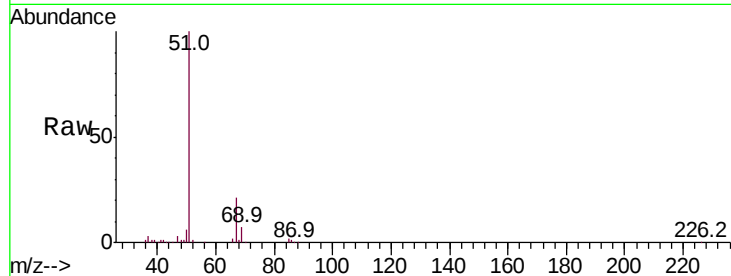
67 20.7 16.4 24.6

Manual Integrations

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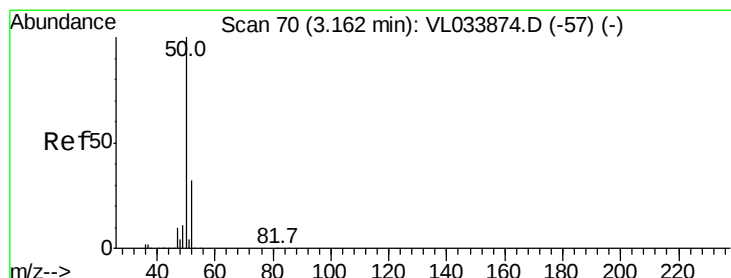
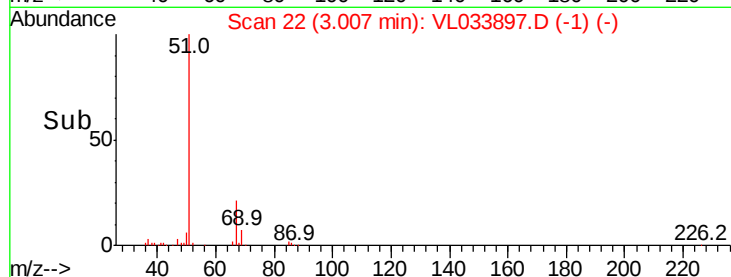
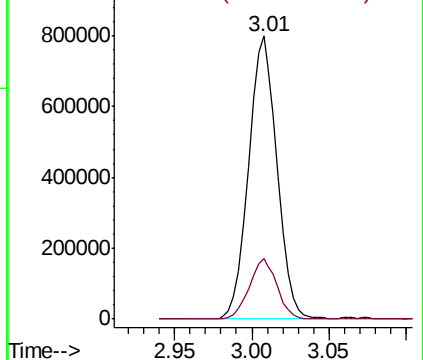
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.787 ppbv

RT: 3.16 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL033897.D

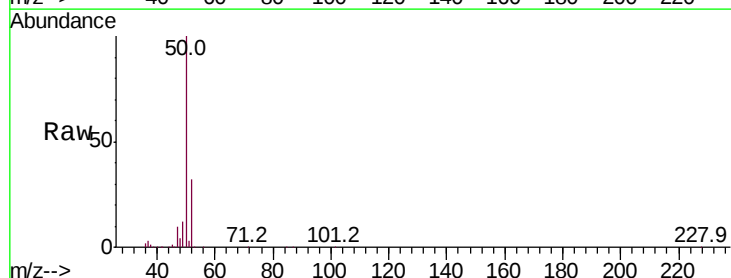
Acq: 7 Jun 2019 20:19

Tgt Ion: 50 Resp: 581188

Ion Ratio Lower Upper

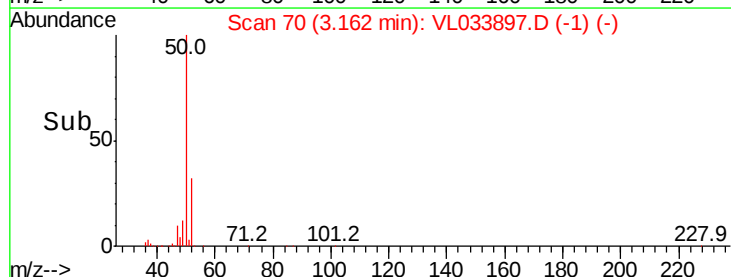
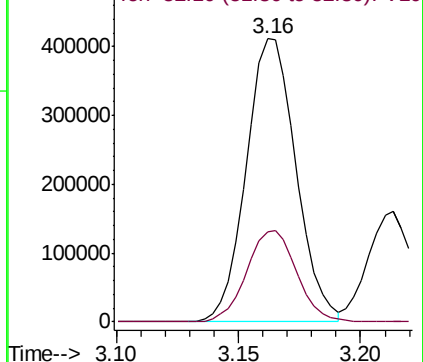
50 100

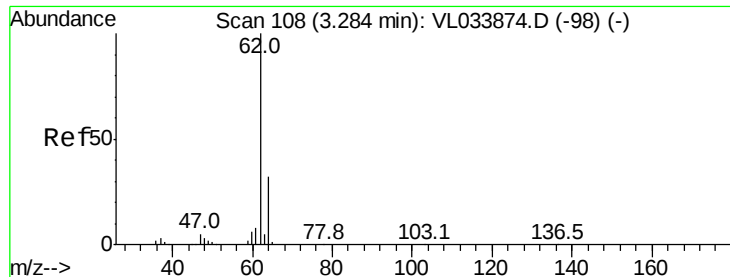
52 31.9 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.636 ppbv

RT: 3.28 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 591386

Ion Ratio Lower Upper

62 100

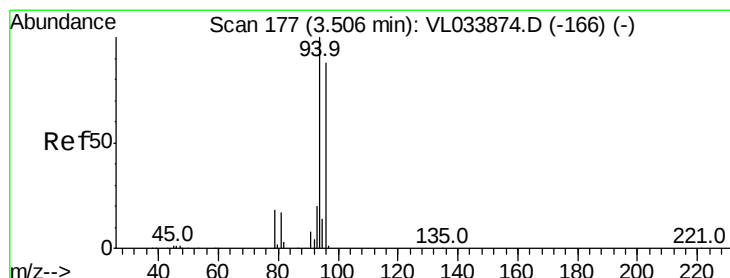
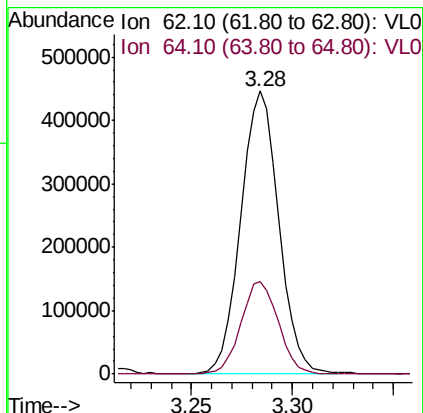
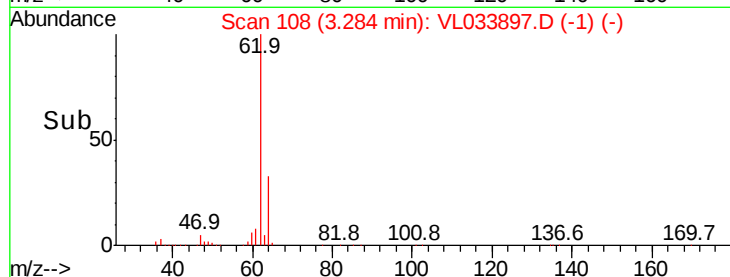
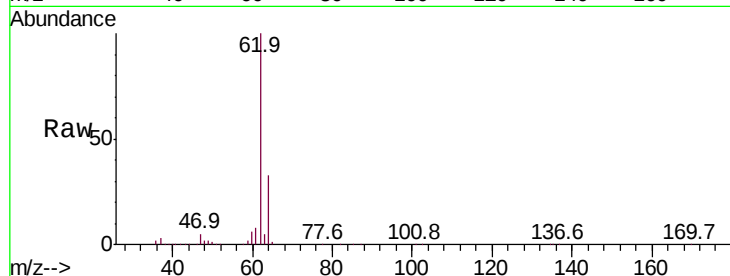
64 33.4 25.2 37.8

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#6

Bromomethane

Concen: 9.158 ppbv

RT: 3.51 min Scan# 177

Delta R.T. -0.00 min

Lab File: VL033897.D

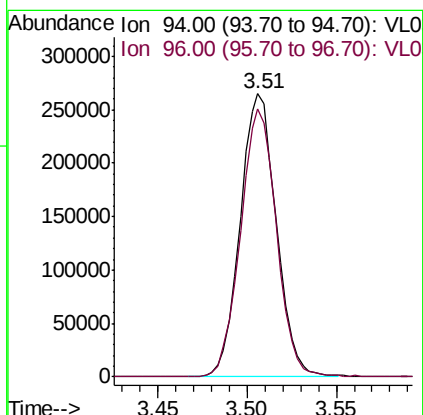
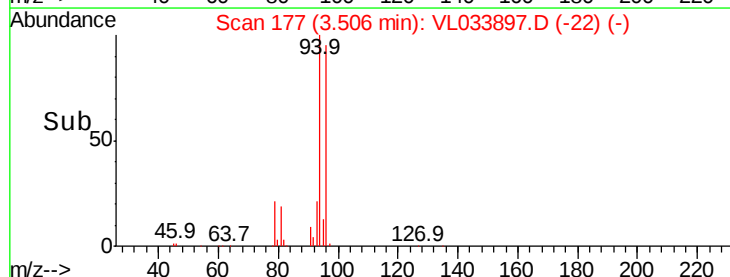
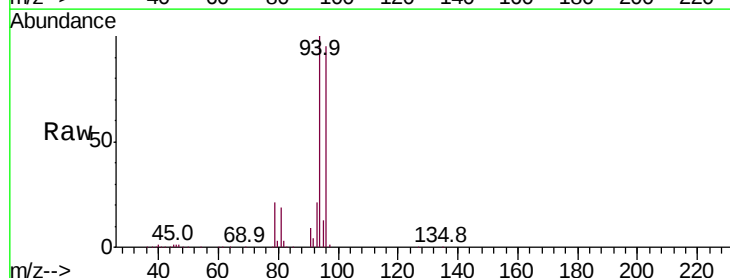
Acq: 7 Jun 2019 20:19

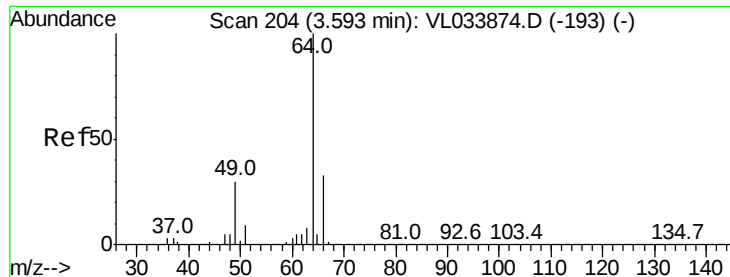
Tgt Ion: 94 Resp: 373417

Ion Ratio Lower Upper

94 100

96 94.5 70.2 105.2





#7

Chloroethane

Concen: 9.174 ppbv

RT: 3.59 min Scan# 204

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 222673

Ion Ratio Lower Upper

64 100

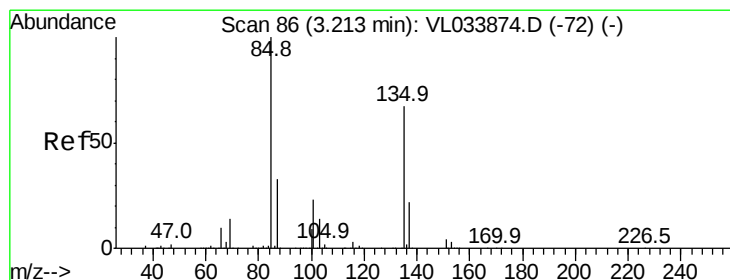
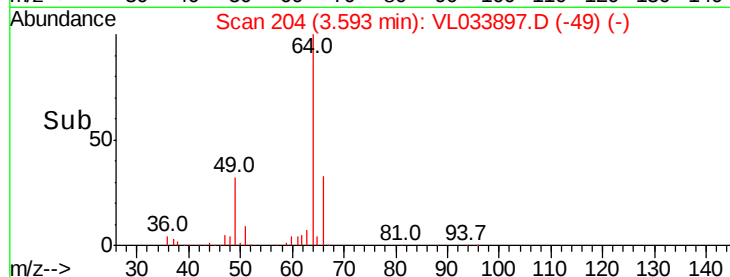
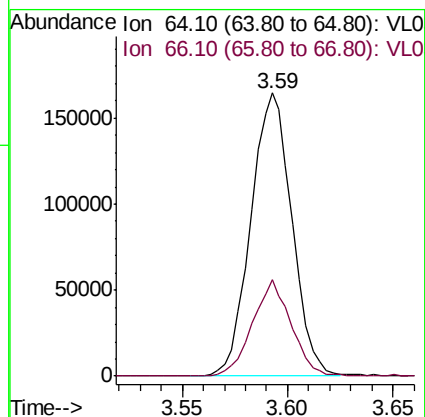
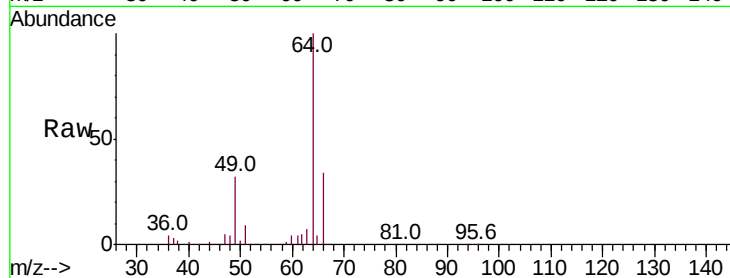
66 33.9 26.7 40.1

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.194 ppbv

RT: 3.21 min Scan# 86

Delta R.T. -0.00 min

Lab File: VL033897.D

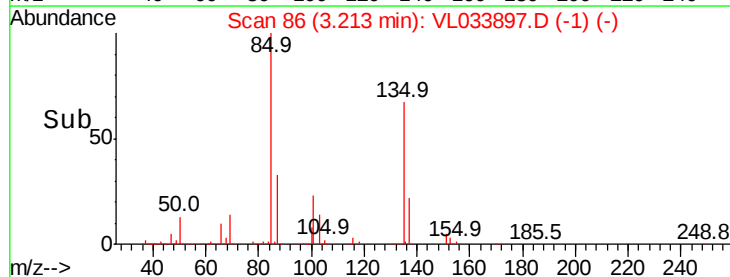
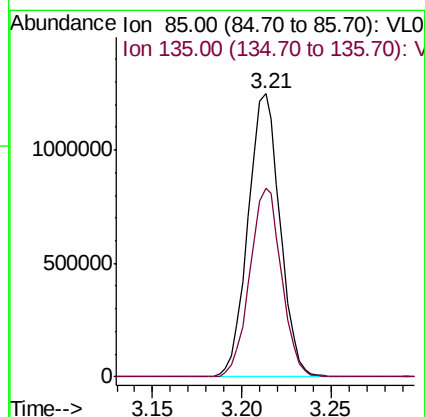
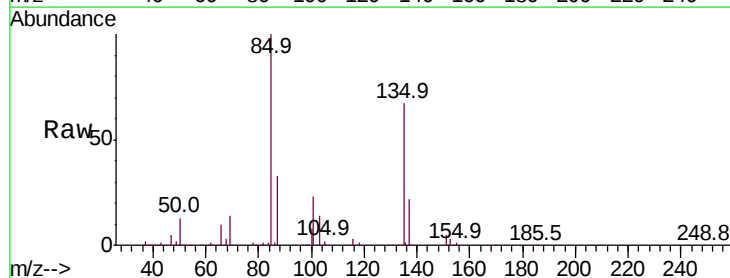
Acq: 7 Jun 2019 20:19

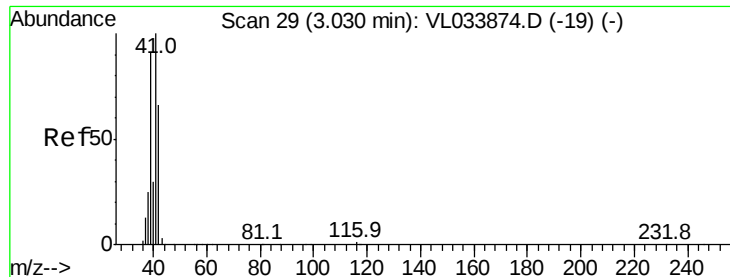
Tgt Ion: 85 Resp: 1570459

Ion Ratio Lower Upper

85 100

135 66.4 53.7 80.5





#9

Propene

Concen: 9.548 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 414280

Ion Ratio Lower Upper

41 100

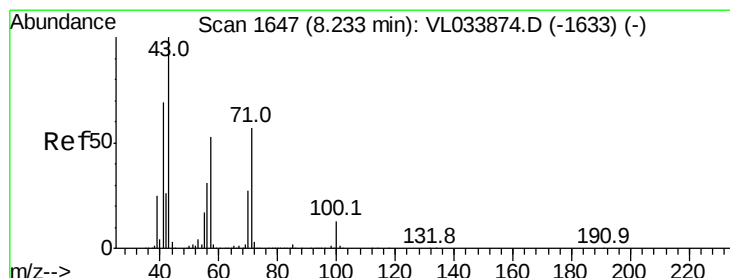
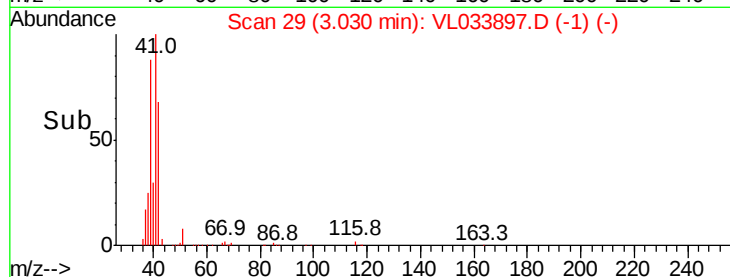
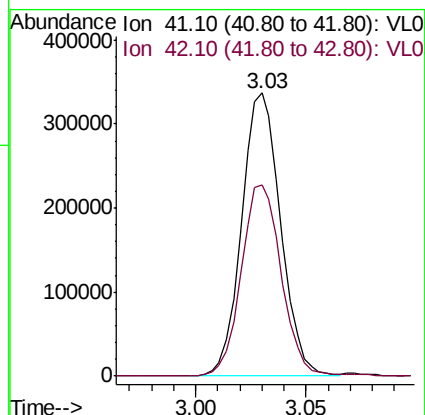
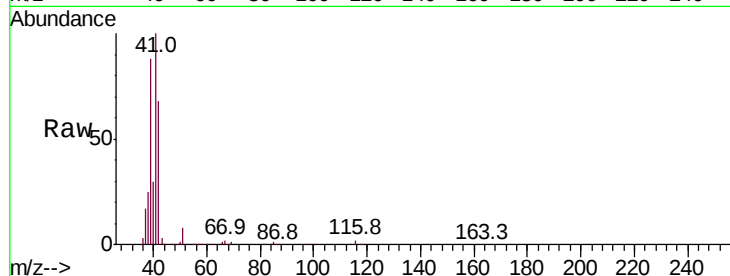
42 69.9 56.3 84.5

Manual Integrations

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#10

Heptane

Concen: 11.264 ppbv

RT: 8.24 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VL033897.D

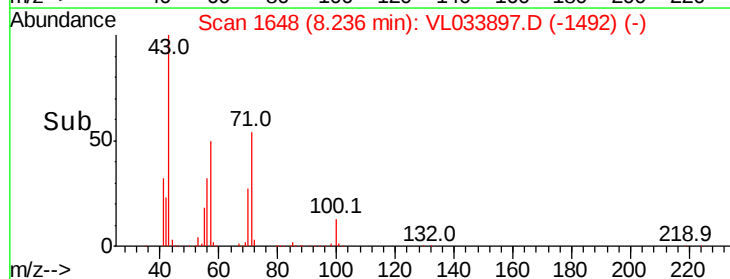
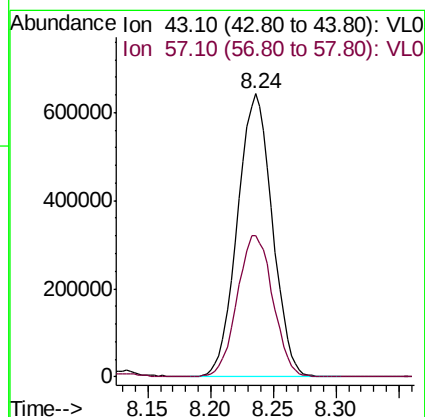
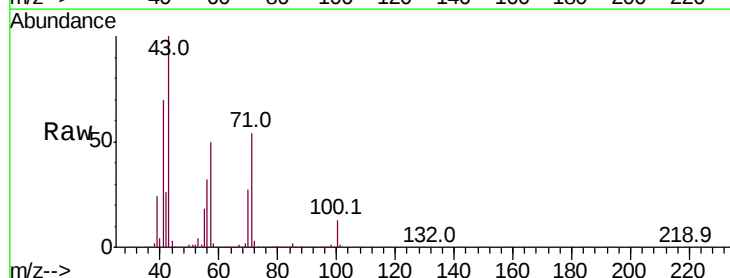
Acq: 7 Jun 2019 20:19

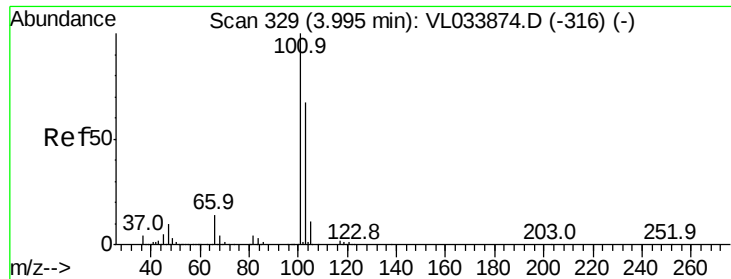
Tgt Ion: 43 Resp: 1235344

Ion Ratio Lower Upper

43 100

57 51.3 41.7 62.5





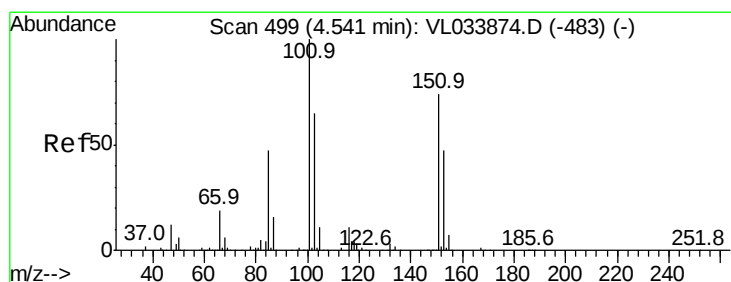
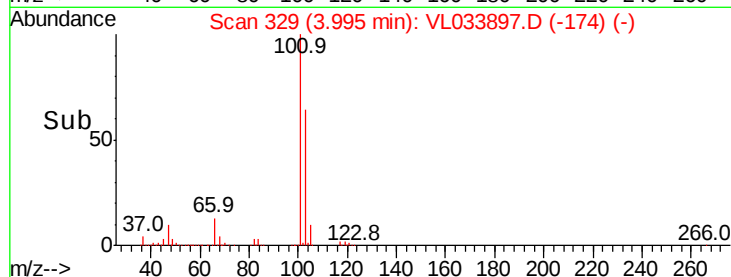
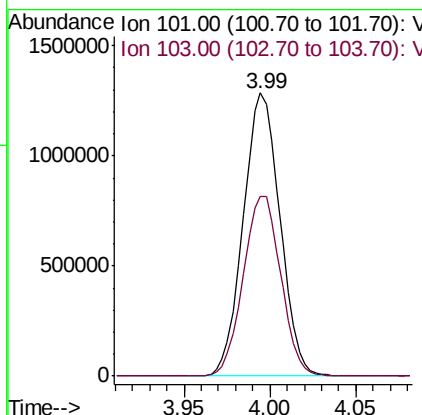
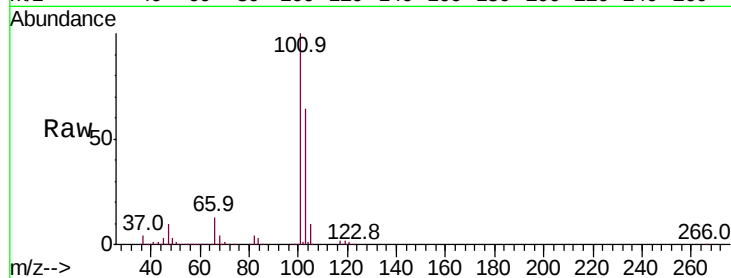
#11
 Trichlorofluoromethane
 Concen: 9.250 ppbv
 RT: 3.99 min Scan# 329
 Delta R.T. -0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1907694
 Ion Ratio Lower Upper
 101 100
 103 63.6 53.6 80.4

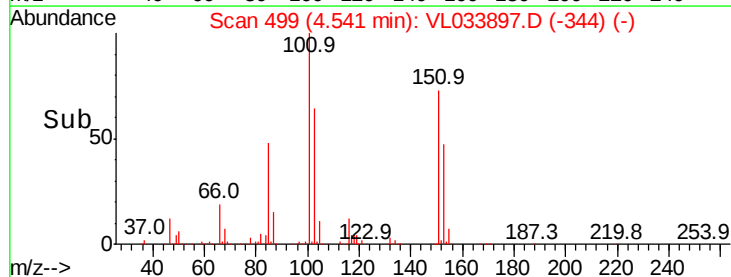
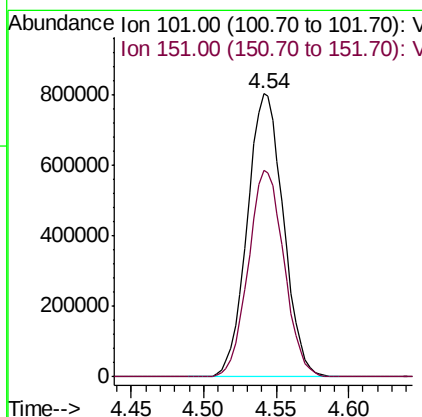
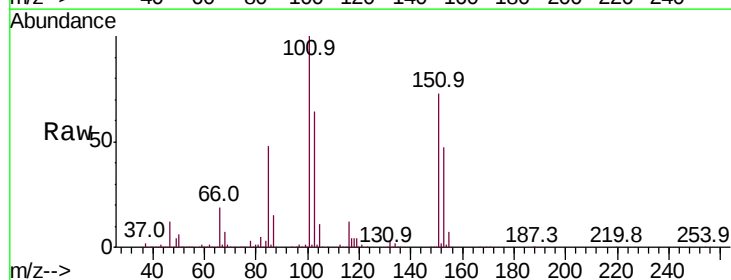
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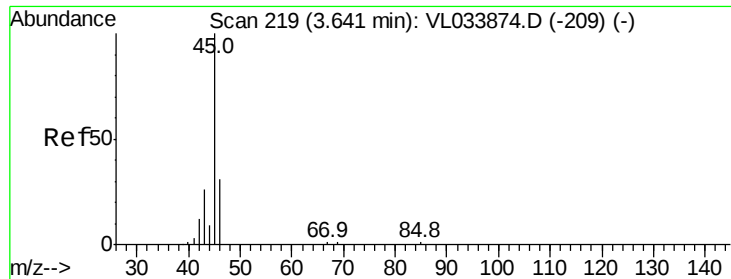
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.988 ppbv
 RT: 4.54 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Tgt Ion:101 Resp: 1392185
 Ion Ratio Lower Upper
 101 100
 151 72.1 58.6 87.8





#13

Ethanol

Concen: 7.184 ppbv

RT: 3.64 min Scan# 220

Delta R.T. 0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 101426

Ion Ratio Lower Upper

45 100

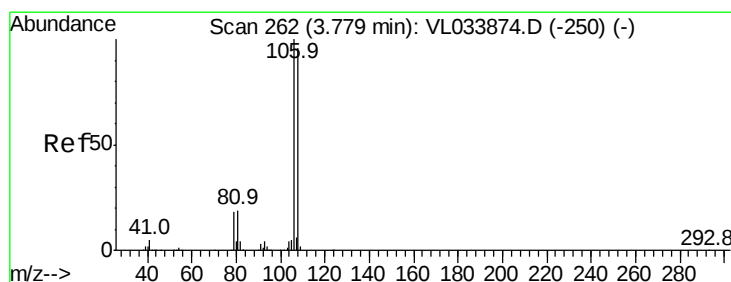
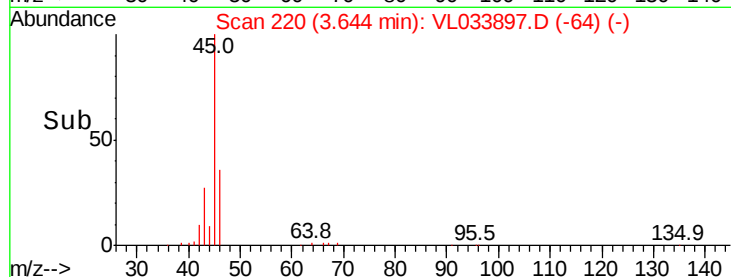
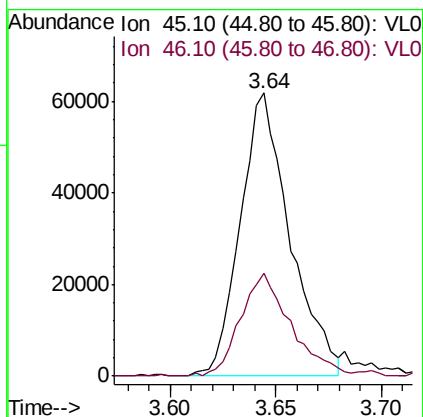
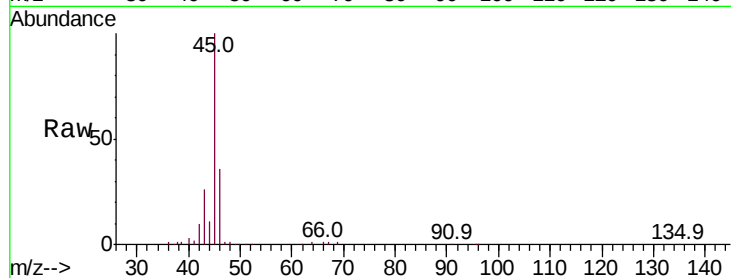
46 37.9 15.3 61.1

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#14

Bromoethene

Concen: 9.740 ppbv

RT: 3.78 min Scan# 262

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

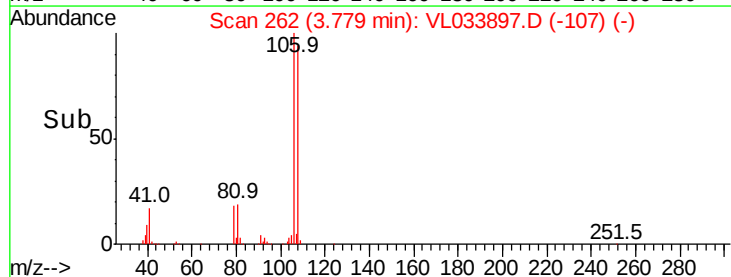
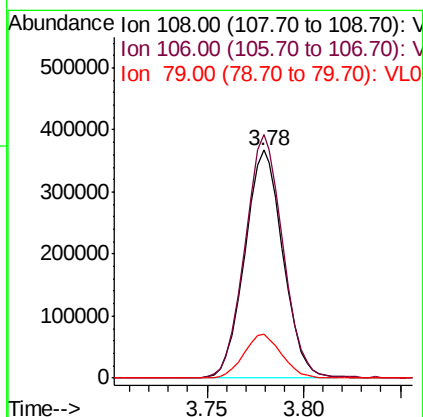
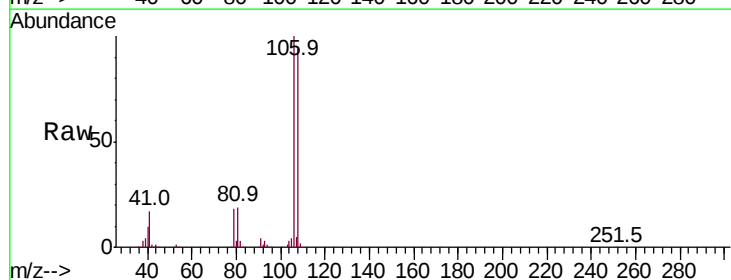
Tgt Ion: 108 Resp: 505894

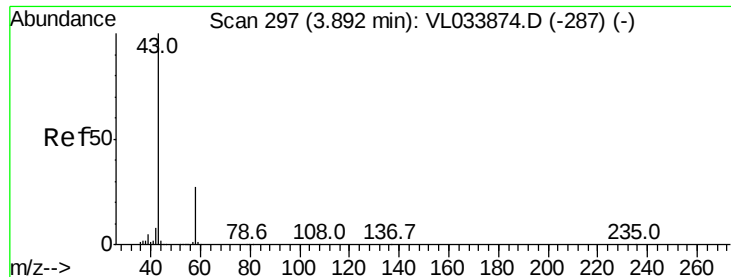
Ion Ratio Lower Upper

108 100

106 106.3 84.9 127.3

79 19.1 15.4 23.0





#15

Acetone

Concen: 8.216 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1180403

Ion Ratio Lower Upper

43 100

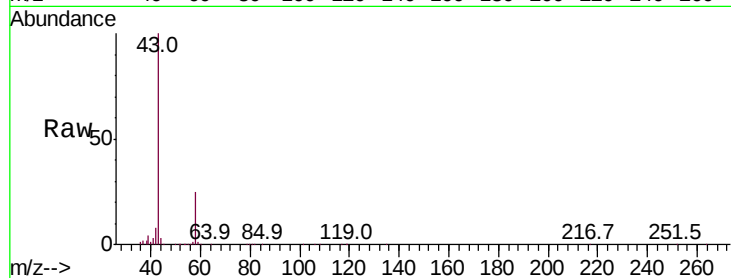
58 25.8 21.3 31.9

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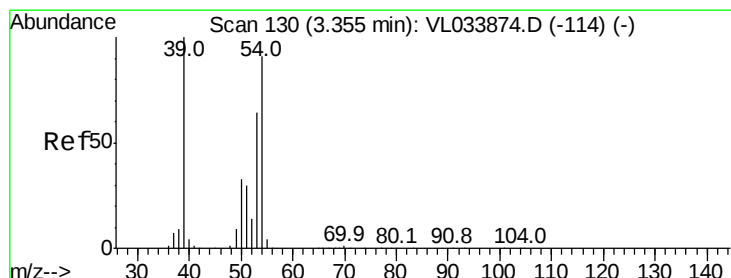
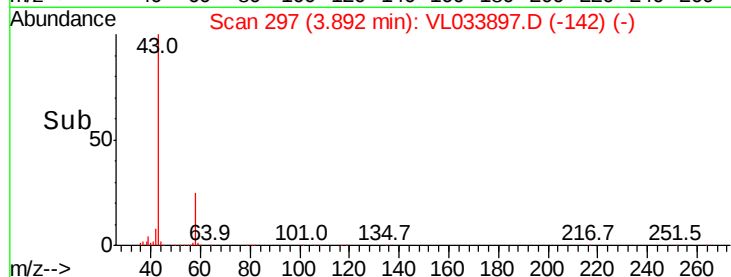
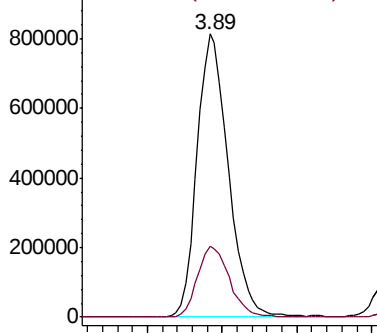
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.750 ppbv

RT: 3.35 min Scan# 130

Delta R.T. -0.00 min

Lab File: VL033897.D

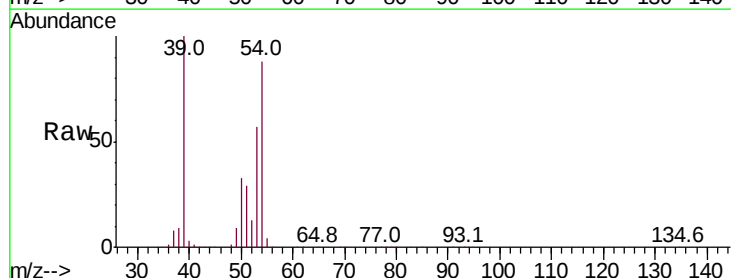
Acq: 7 Jun 2019 20:19

Tgt Ion: 39 Resp: 533144

Ion Ratio Lower Upper

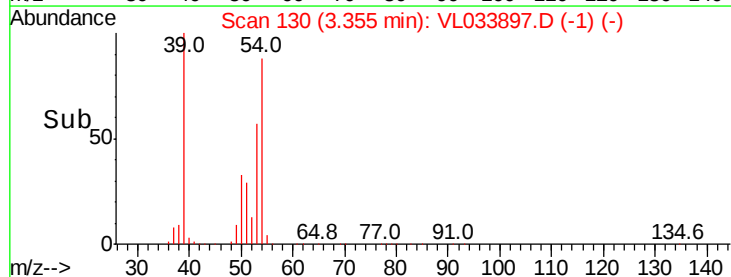
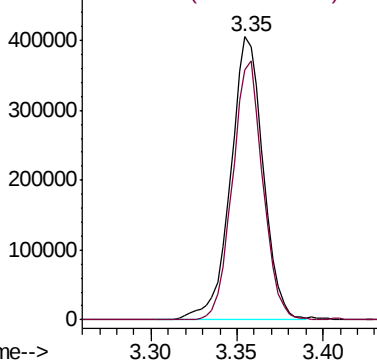
39 100

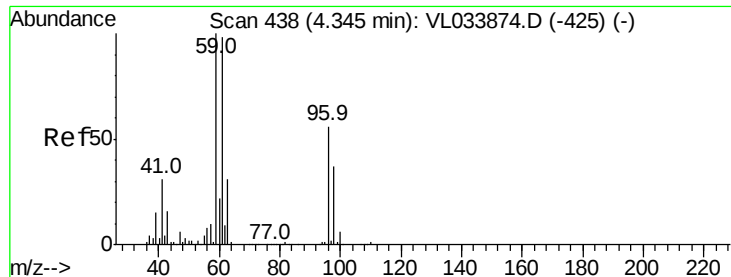
54 85.3 68.6 103.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

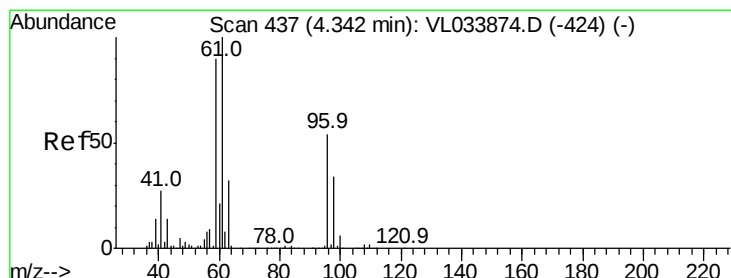
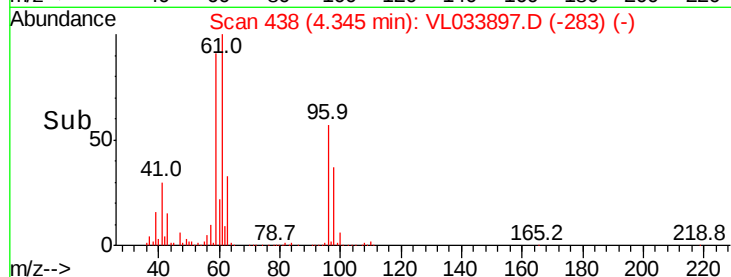
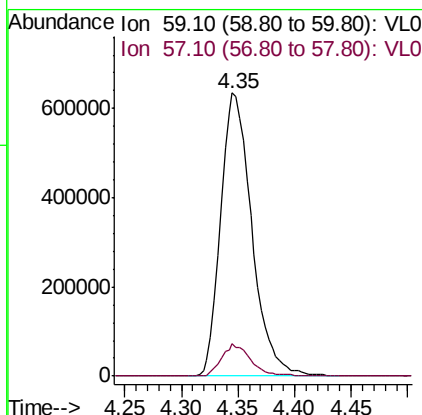
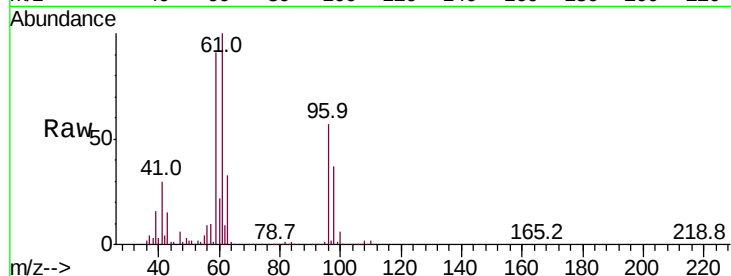
tert-Butyl alcohol
Concen: 10.887 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	59	Resp	1222699
Ion Ratio	Lower	Upper	
59	100		
57	10.7	8.4	12.6

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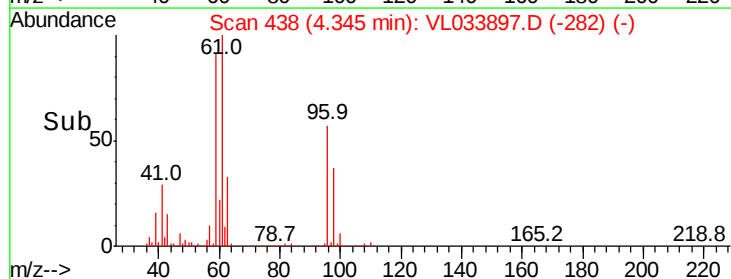
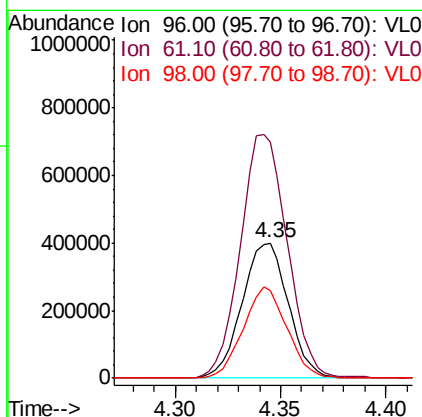
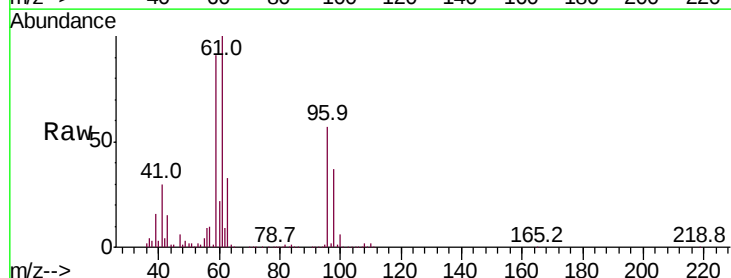
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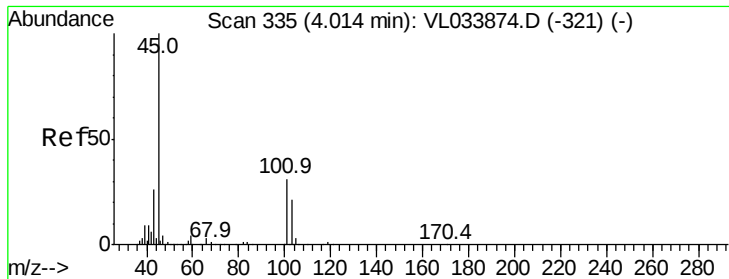


#18

1,1-Dichloroethene
Concen: 10.304 ppbv
RT: 4.35 min Scan# 438
Delta R.T. 0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Tgt Ion	96	Resp	606632
Ion Ratio	Lower	Upper	
96	100		
61	173.9	147.0	220.6
98	64.9	49.4	74.0





#19

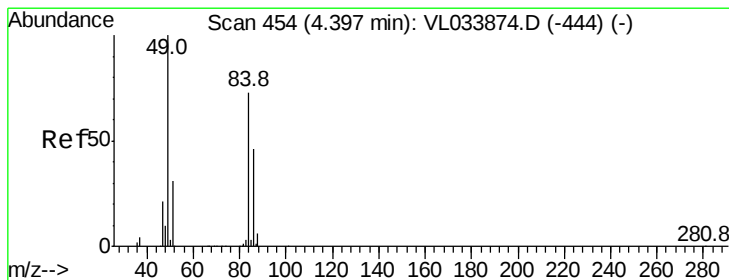
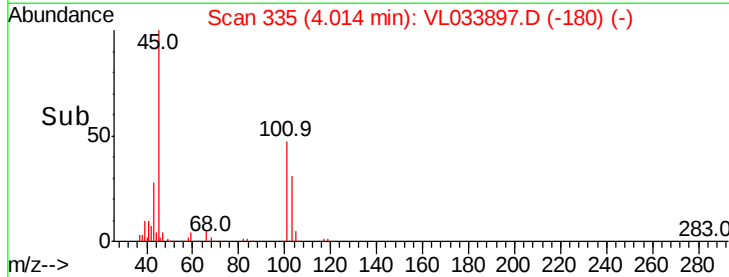
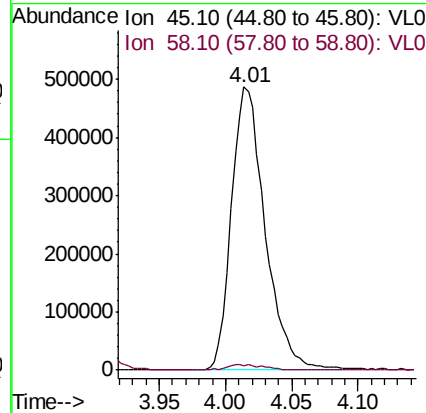
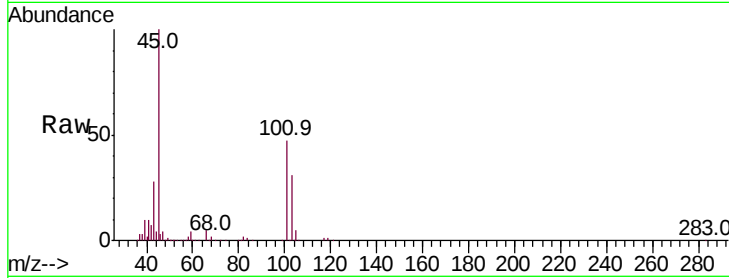
Isopropyl Alcohol
 Concen: 10.440 ppbv
 RT: 4.01 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 45 Resp: 856817
 Ion Ratio Lower Upper
 45 100
 58 2.3 1.8 2.6

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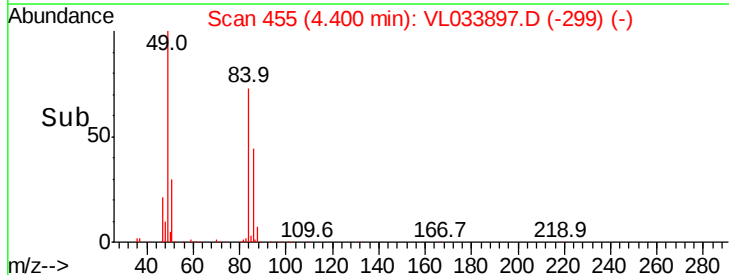
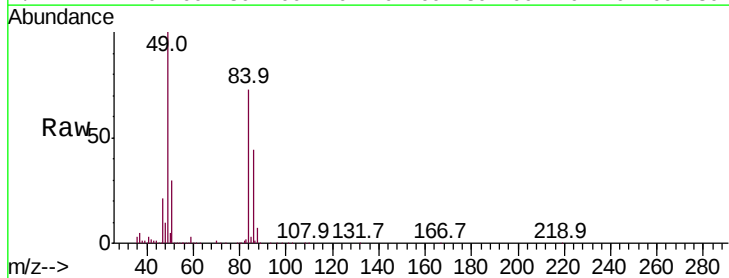
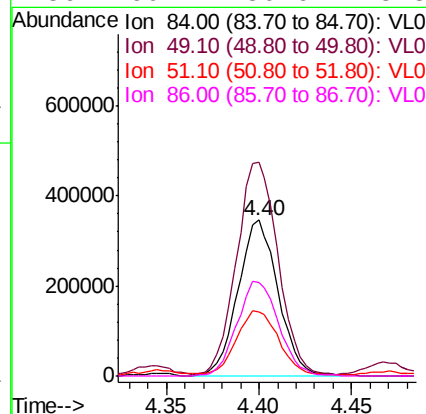
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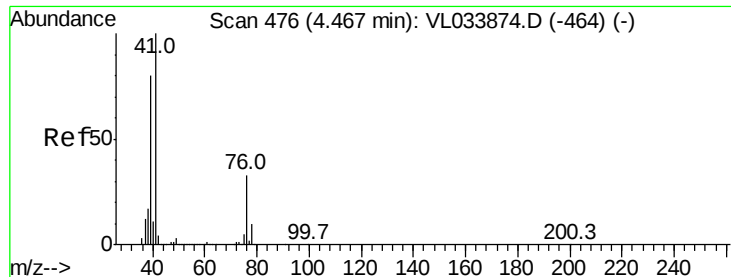


#20

Methylene Chloride
 Concen: 9.200 ppbv
 RT: 4.40 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Tgt Ion: 84 Resp: 515418
 Ion Ratio Lower Upper
 84 100
 49 136.4 110.0 165.0
 51 40.2 34.6 51.8
 86 60.2 50.6 75.8





#21

Allvl Chloride

Concen: 10.699 ppbv

RT: 4.47 min Scan# 476

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

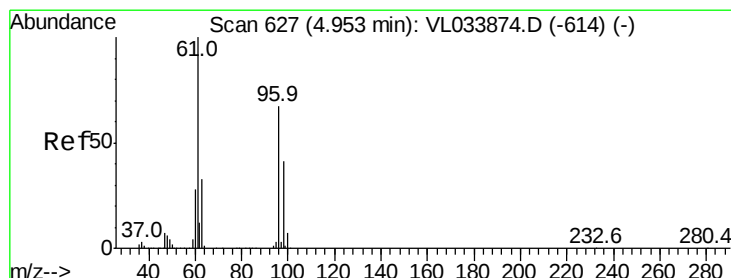
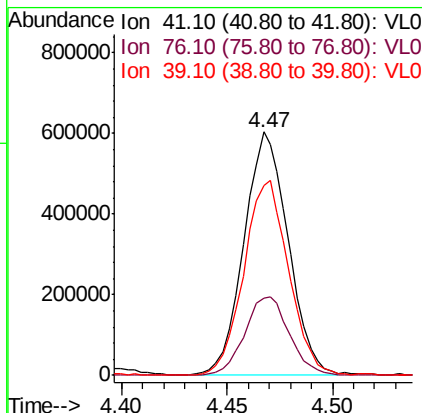
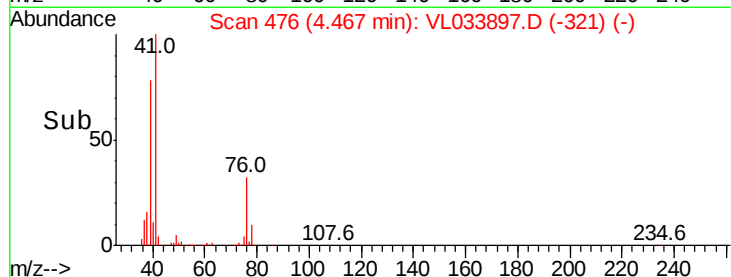
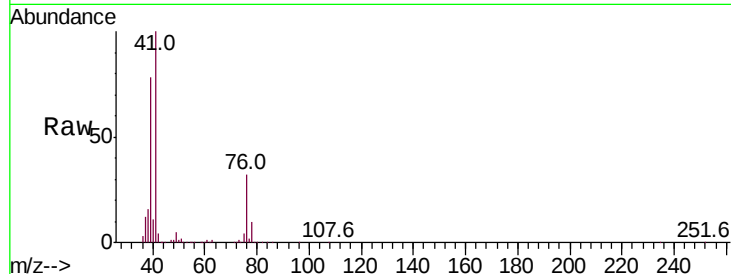
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	873132
Ion Ratio	Lower	Upper	
41	100		
76	32.8	26.6	39.8
39	82.0	65.2	97.8

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#22

trans-1,2-Dichloroethene

Concen: 10.144 ppbv

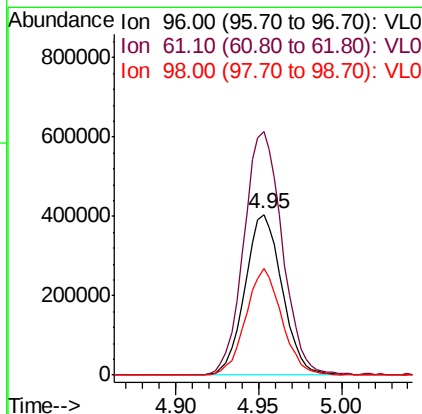
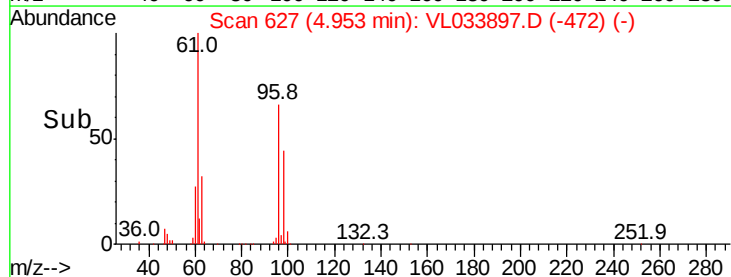
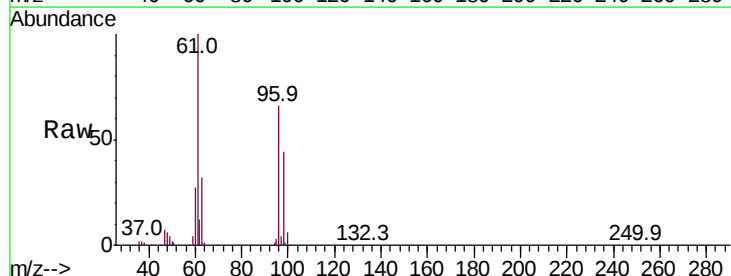
RT: 4.95 min Scan# 627

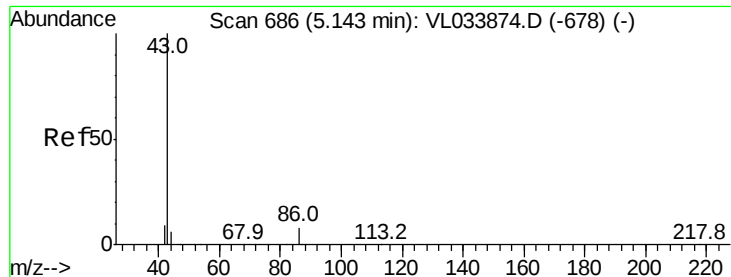
Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Tgt Ion:	96	Resp:	629504
Ion Ratio	Lower	Upper	
96	100		
61	151.2	119.0	178.6
98	65.9	48.3	72.5





#23

Vinyl Acetate

Concen: 10.620 ppbv

RT: 5.15 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1773442

Ion Ratio Lower Upper

43 100

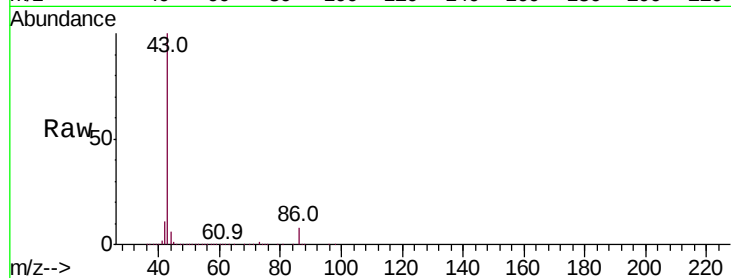
86 7.5 5.8 8.8

42 10.6 7.8 11.8

44 5.7 4.2 6.4

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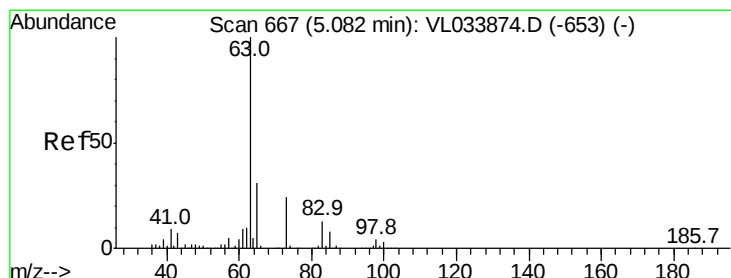
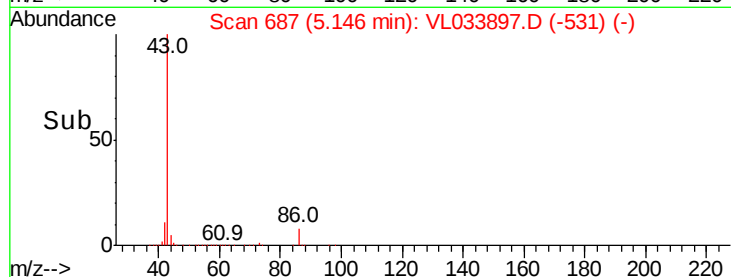
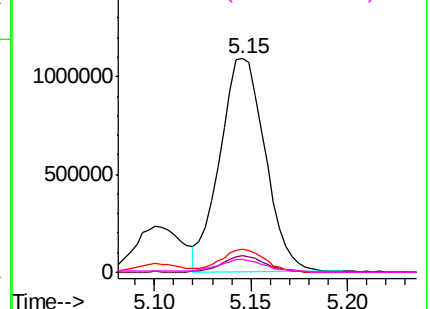


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.018 ppbv

RT: 5.08 min Scan# 668

Delta R.T. 0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

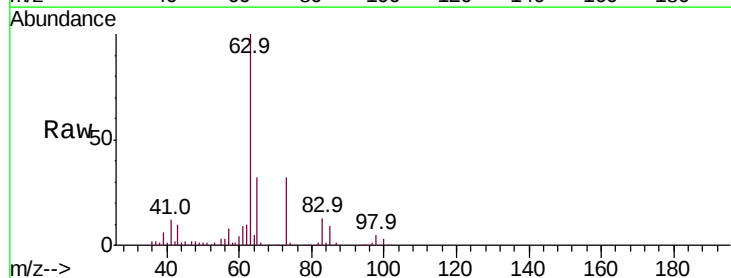
Tgt Ion: 63 Resp: 1301118

Ion Ratio Lower Upper

63 100

98 4.7 2.2 6.6

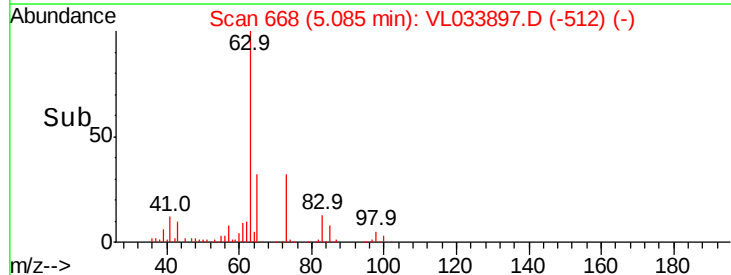
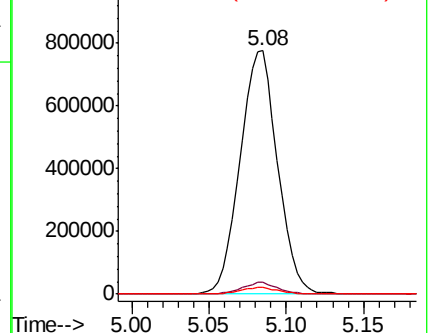
100 2.6 1.3 3.8

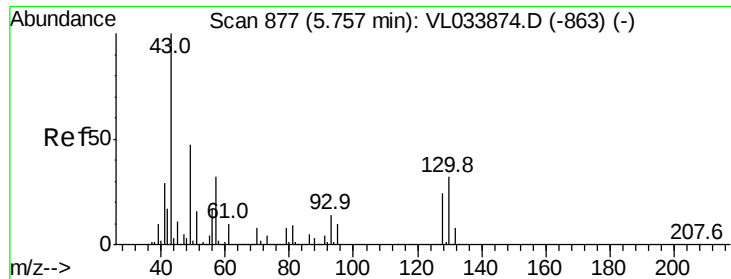


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.182 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2227672

Ion Ratio Lower Upper

43 100

45 9.9 7.9 11.9

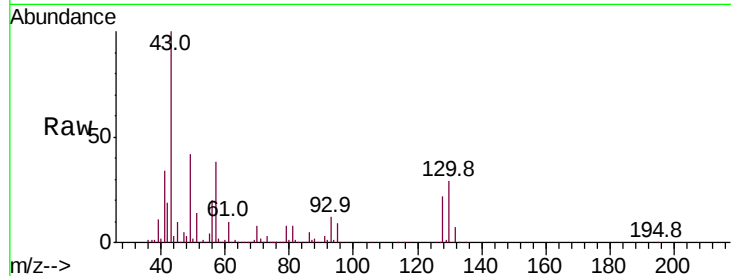
61 9.5 7.8 11.6

70 7.1 5.8 8.6

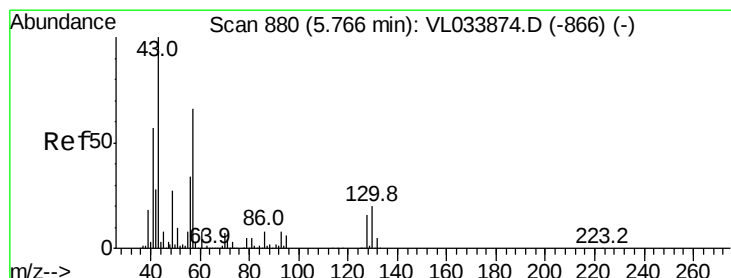
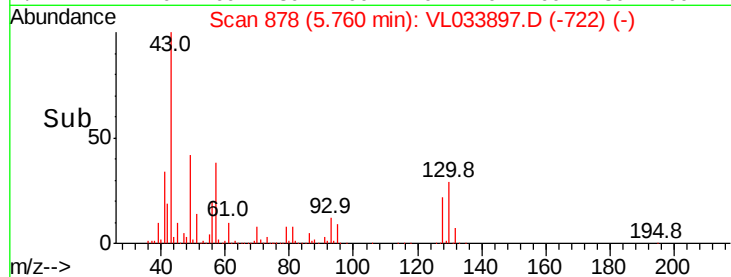
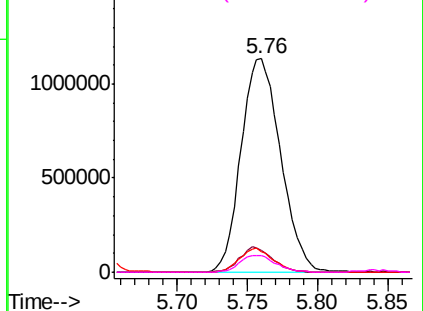
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.741 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Tgt Ion: 57 Resp: 970316

Ion Ratio Lower Upper

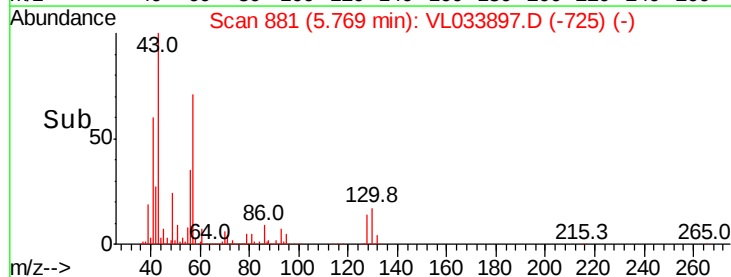
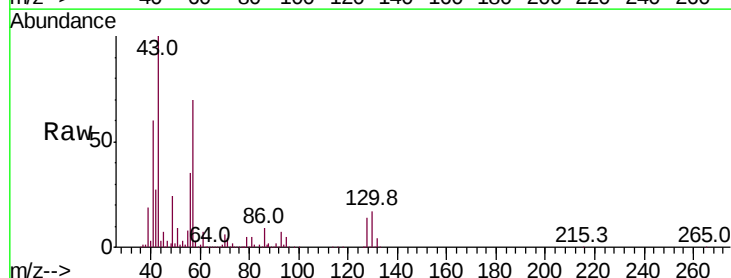
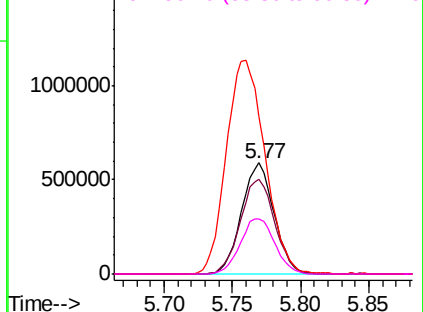
57 100

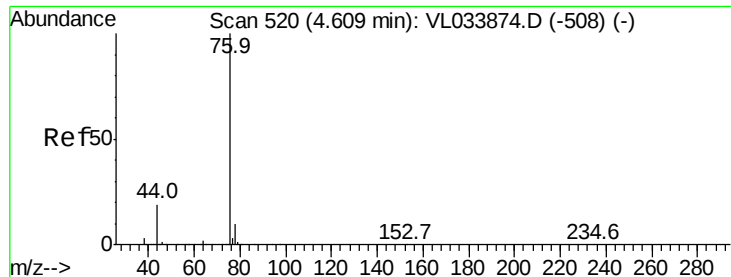
41 90.5 71.4 107.2

43 231.2 183.7 275.5

56 53.4 42.7 64.1

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: 11.167 ppbv

RT: 4.61 min Scan# 520

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1545520

Ion Ratio Lower Upper

76 100

44 17.5 14.4 21.6

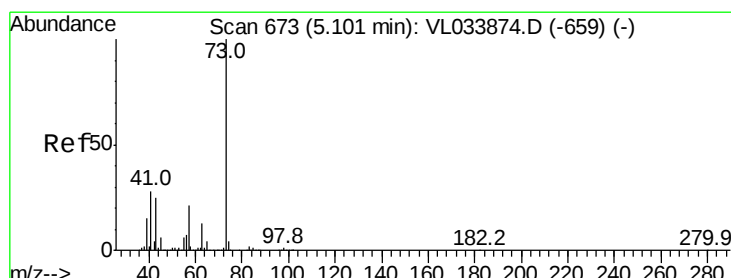
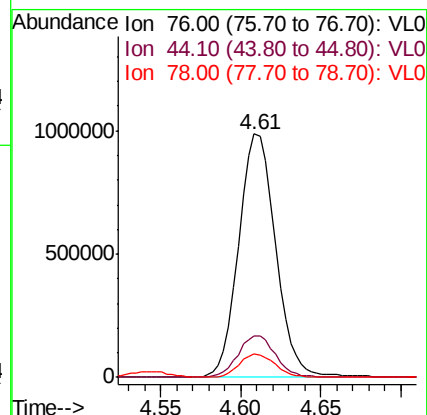
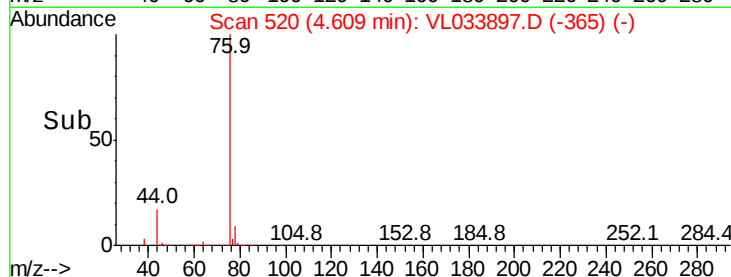
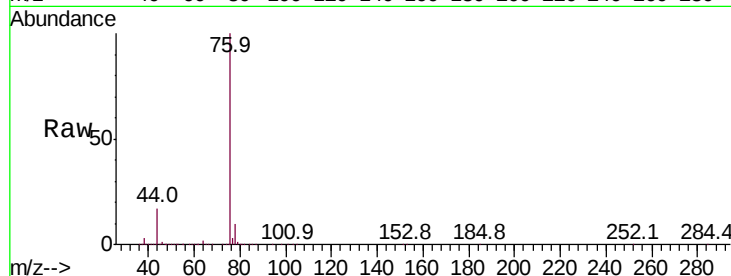
78 9.2 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 10.677 ppbv

RT: 5.10 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL033897.D

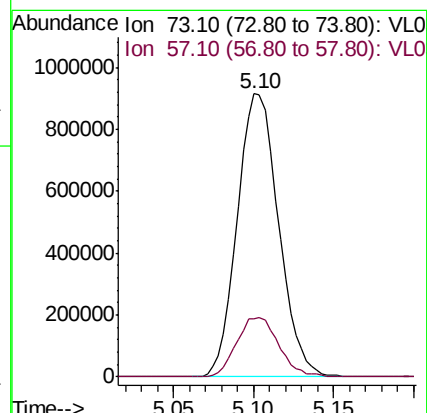
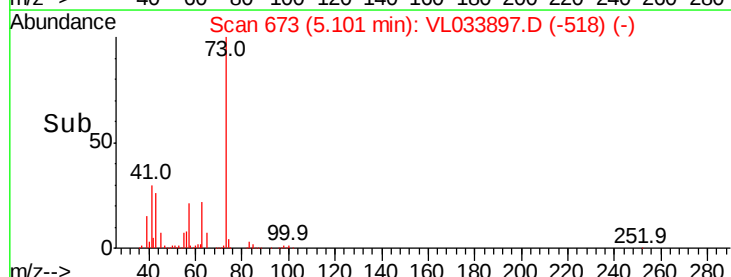
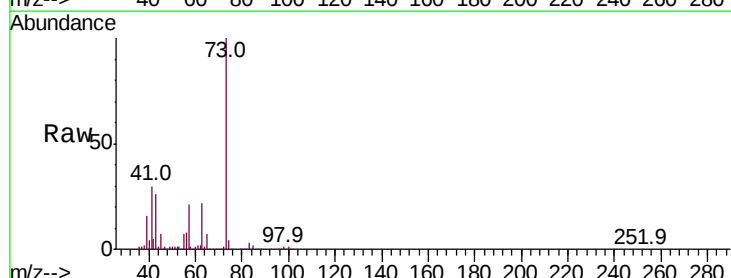
Acq: 7 Jun 2019 20:19

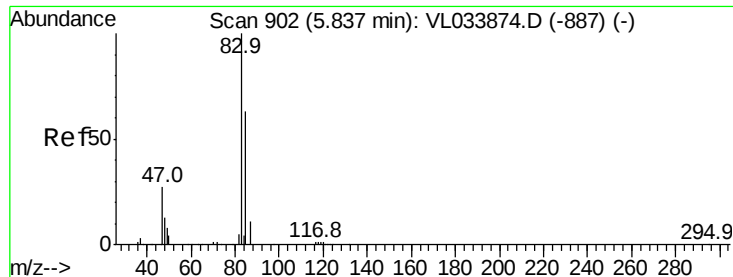
Tgt Ion: 73 Resp: 1608406

Ion Ratio Lower Upper

73 100

57 21.6 17.2 25.8





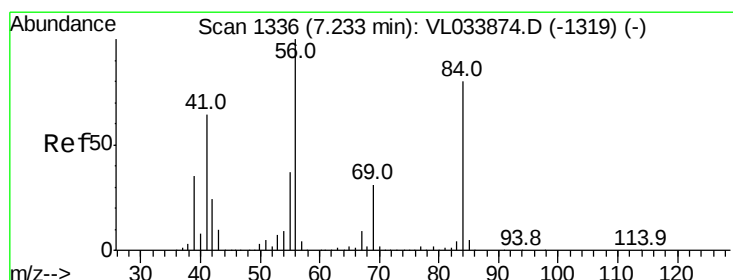
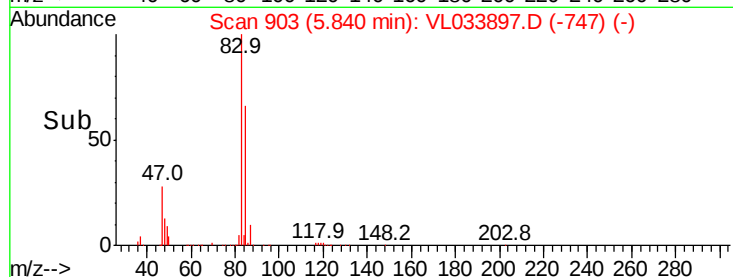
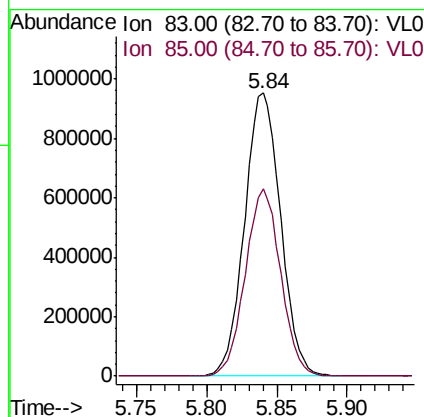
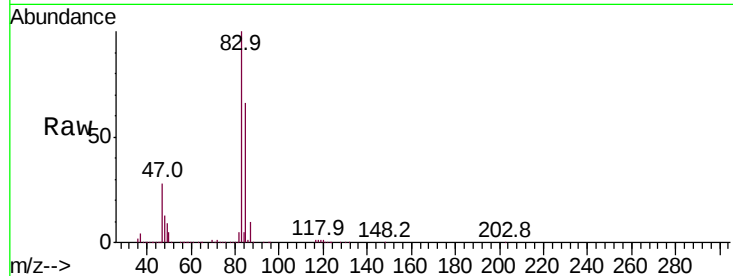
#29
Chloroform
Concen: 10.048 ppbv
RT: 5.84 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1714368
Ion Ratio Lower Upper
83 100
85 66.0 50.5 75.7

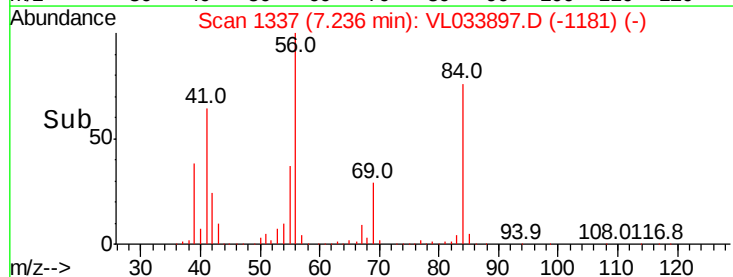
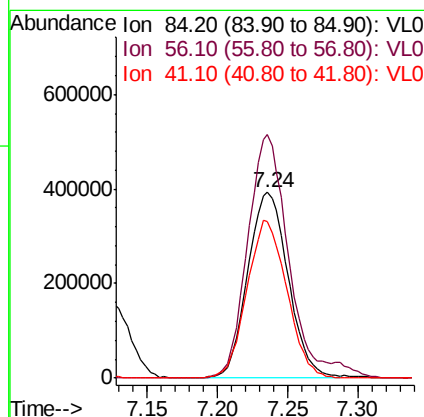
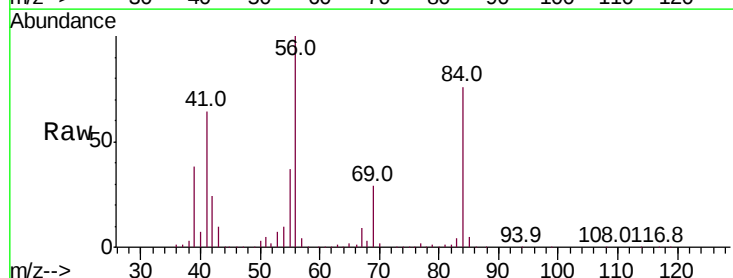
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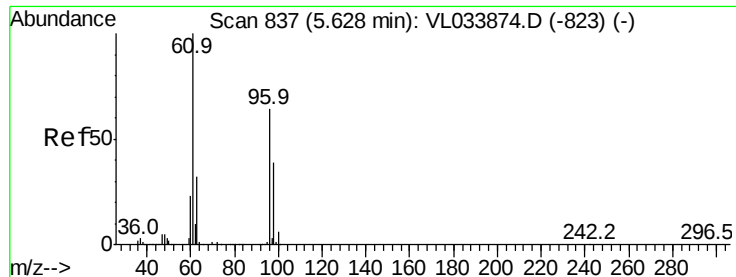
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#30
Cyclohexane
Concen: 11.207 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Tgt Ion: 84 Resp: 788794
Ion Ratio Lower Upper
84 100
56 134.4 105.8 158.8
41 84.2 65.7 98.5





#31

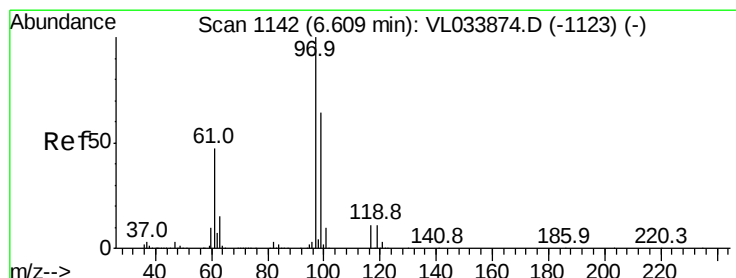
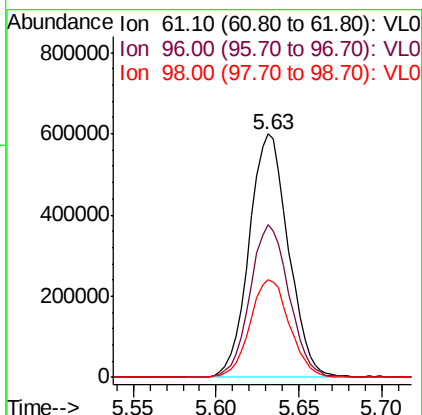
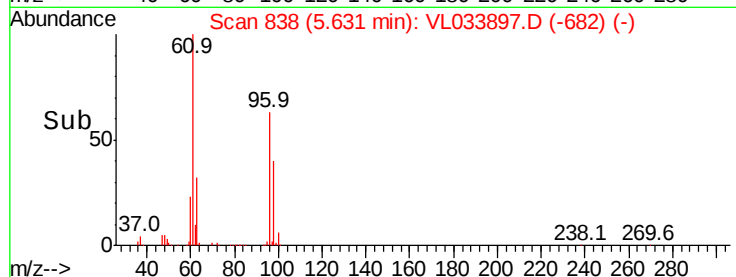
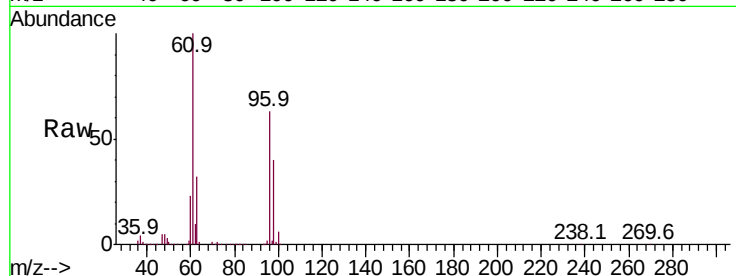
cis-1,2-Dichloroethene
Concen: 11.285 ppbv
RT: 5.63 min Scan# 838
Delta R.T. 0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.8	50.9	76.3
98	40.0	31.4	47.2

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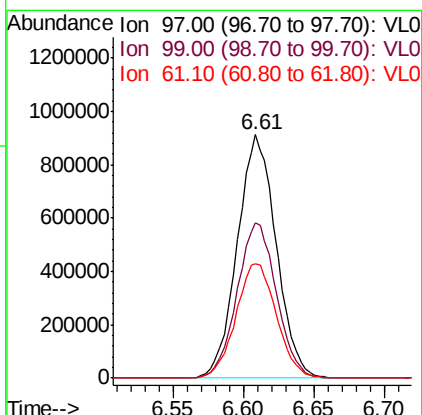
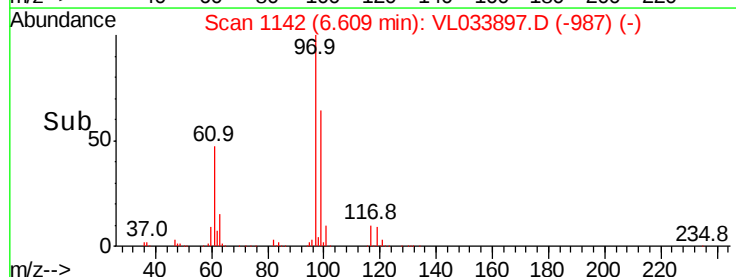
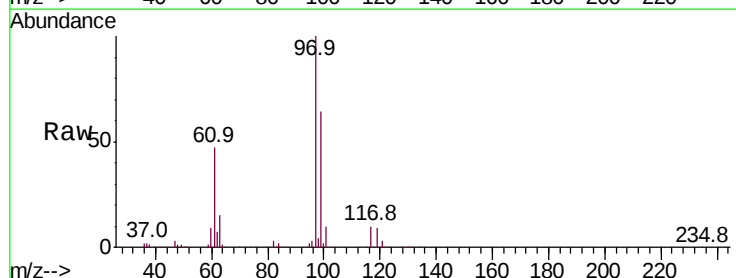
MMDadoda
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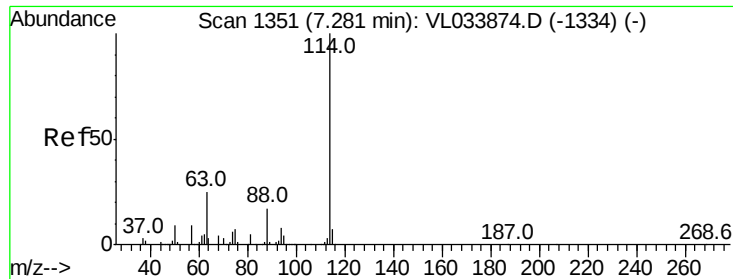


#32

1,1,1-Trichloroethane
Concen: 10.705 ppbv
RT: 6.61 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	48.9	37.7	56.5





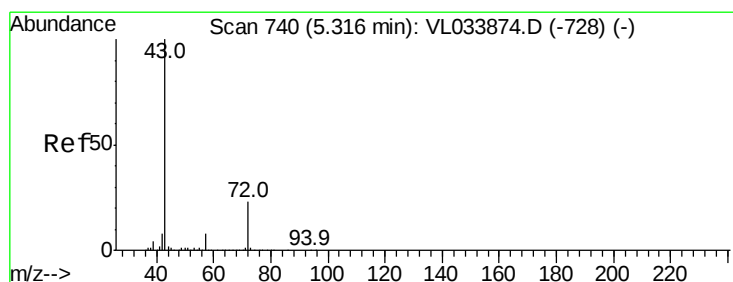
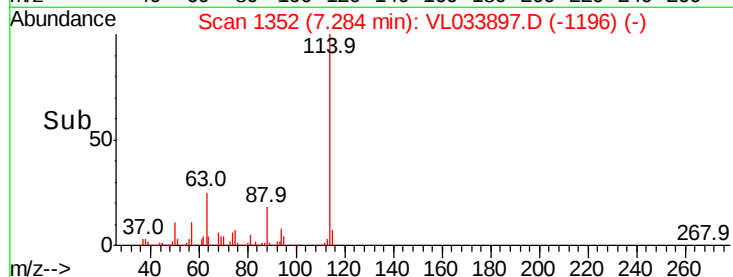
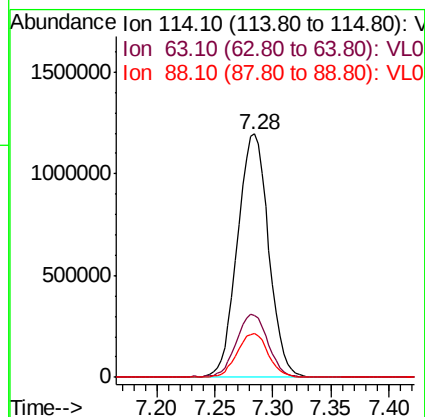
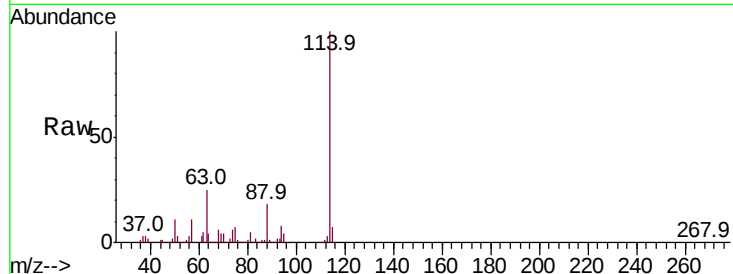
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. 0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.1	31.7
88	18.0	14.2	21.4

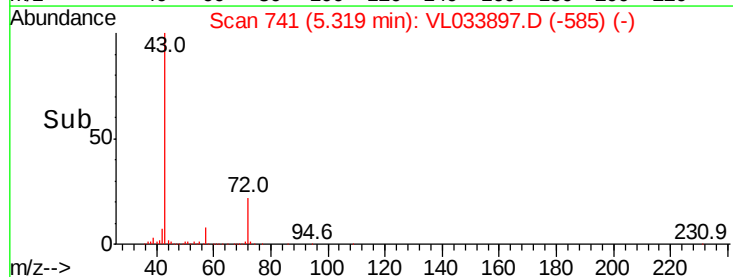
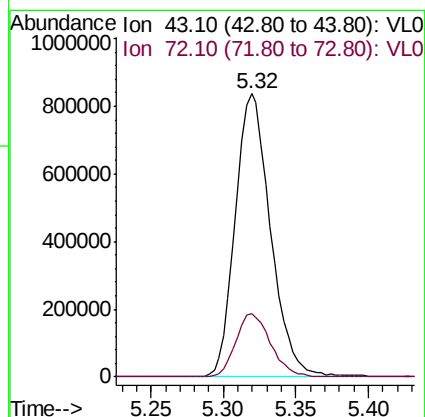
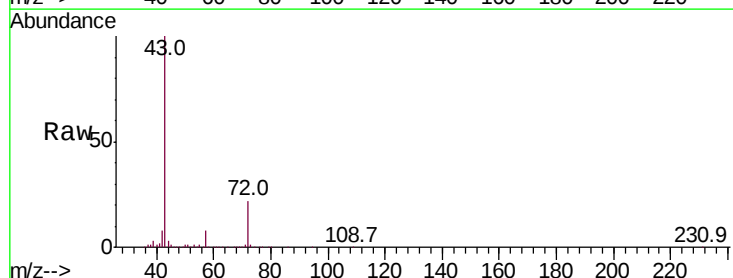
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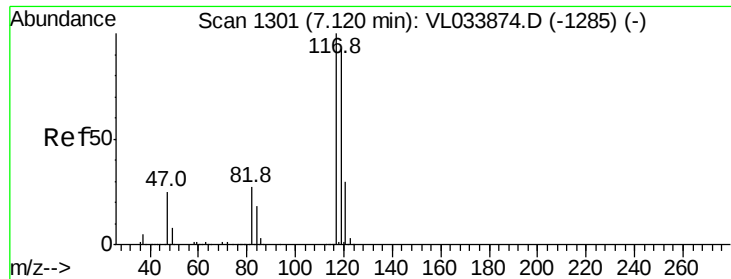
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#34
 2-Butanone
 Concen: 11.185 ppbv
 RT: 5.32 min Scan# 741
 Delta R.T. 0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.9	26.9





#35

Carbon Tetrachloride

Concen: 11.028 ppbv

RT: 7.12 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1904072

Ion Ratio Lower Upper

117 100

119 97.1 74.6 111.8

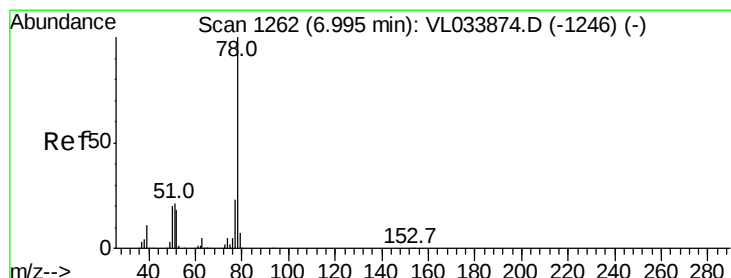
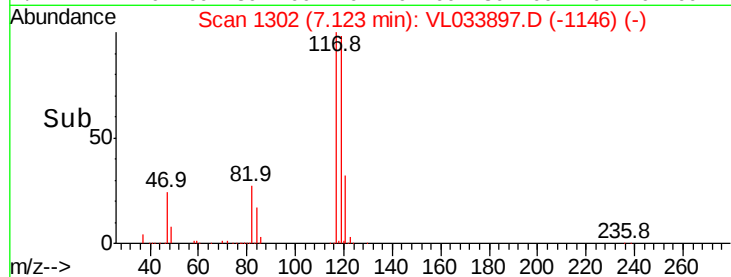
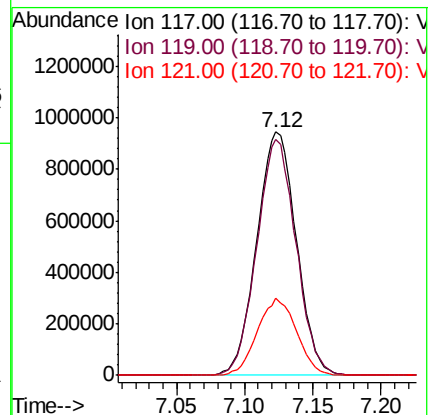
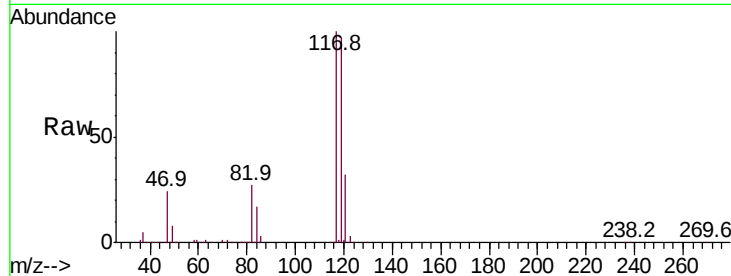
121 31.7 24.0 36.0

Manual Integrations

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#36

Benzene

Concen: 11.156 ppbv

RT: 6.99 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

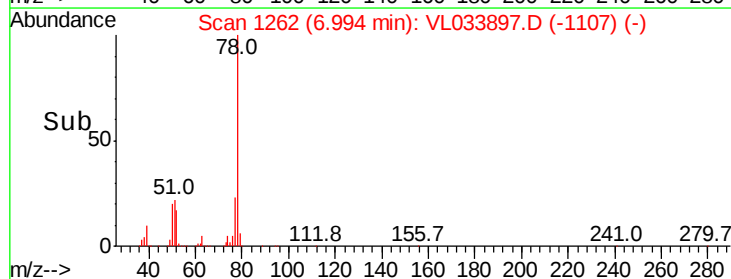
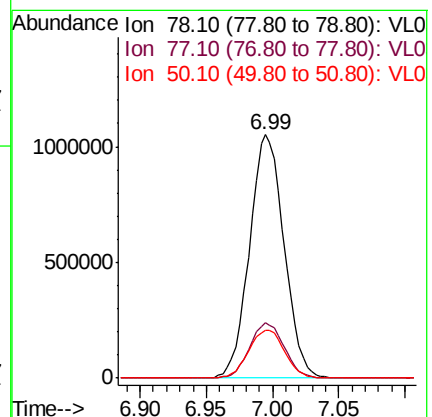
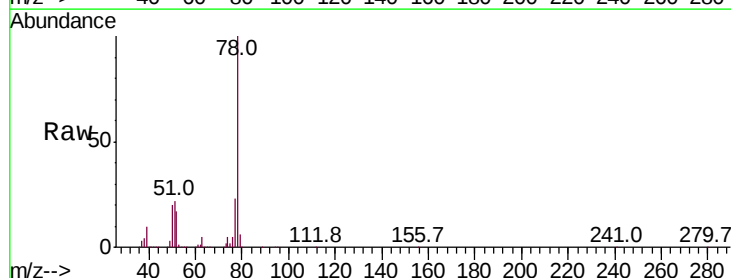
Tgt Ion: 78 Resp: 1904484

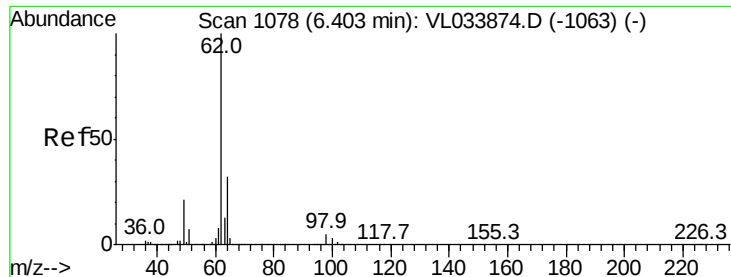
Ion Ratio Lower Upper

78 100

77 22.7 18.2 27.2

50 19.8 15.9 23.9





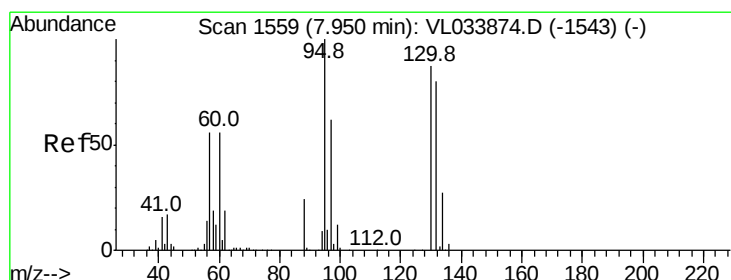
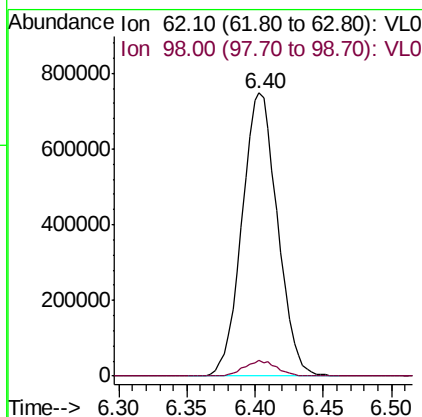
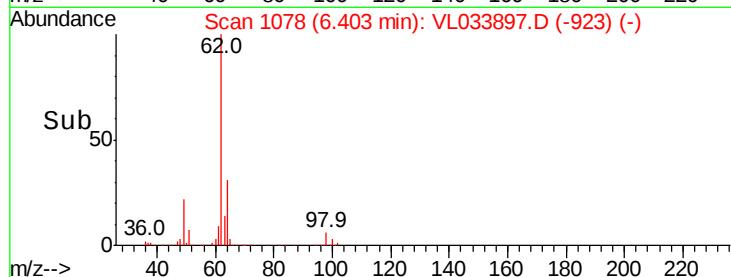
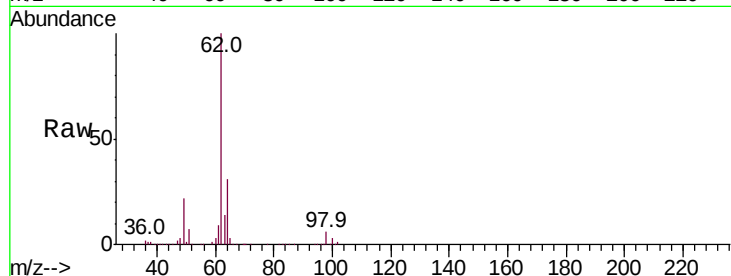
#37
 1,2-Dichloroethane
 Concen: 10.685 ppbv
 RT: 6.40 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.0	6.0

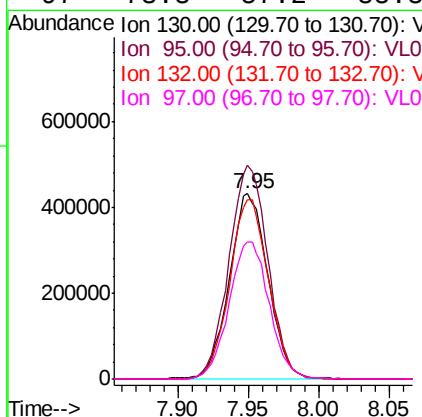
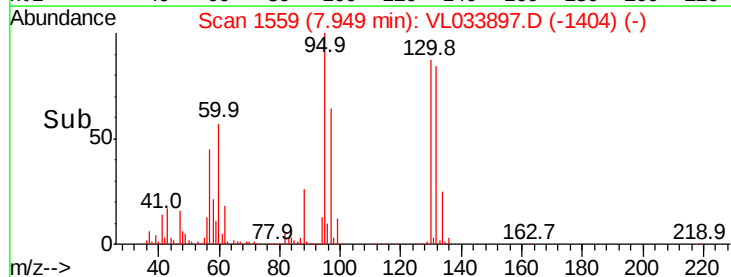
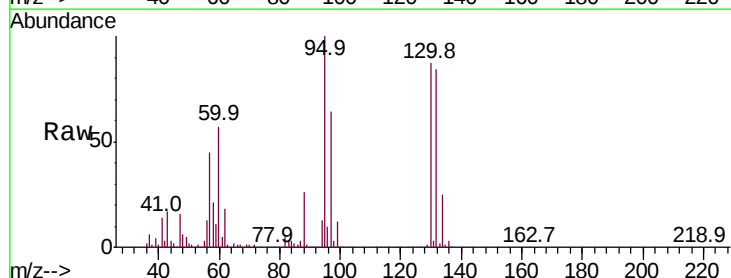
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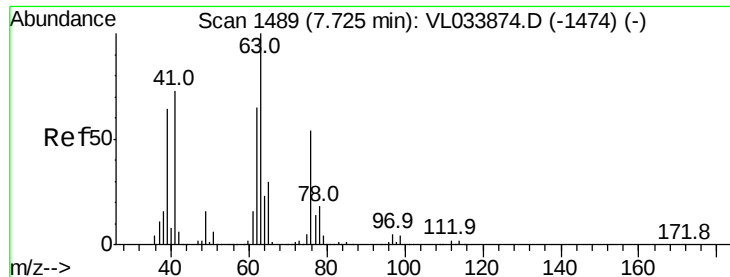
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#38
 Trichloroethene
 Concen: 12.342 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.1	92.0	138.0
132	96.6	73.8	110.8
97	73.8	57.2	85.8





#39

1,2-Dichloropropane

Concen: 10.970 ppbv

RT: 7.73 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

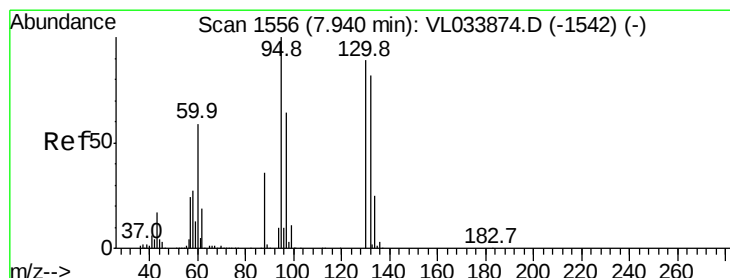
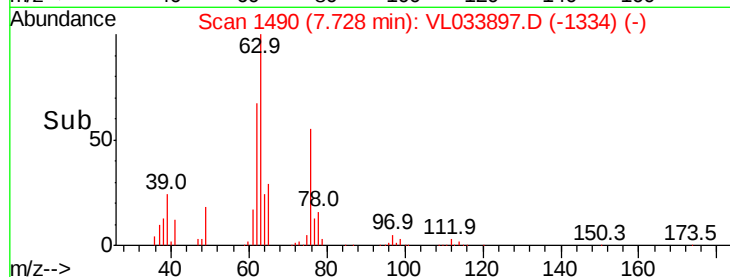
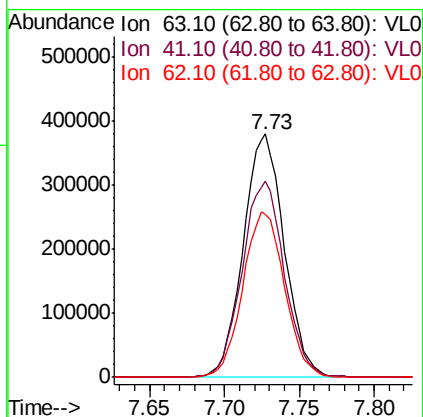
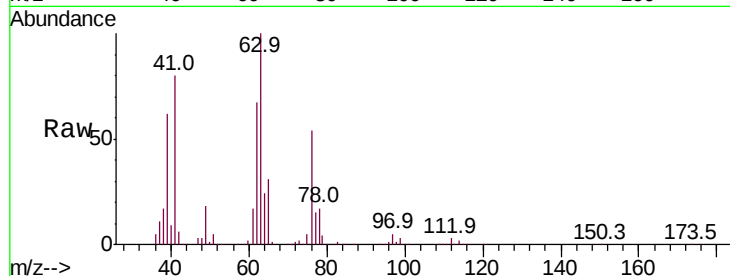
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	722784
Ion	Ratio	Lower	Upper
63	100		
41	80.4	58.7	88.1
62	67.1	51.9	77.9

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#40

1,4-Dioxane

Concen: 12.486 ppbv

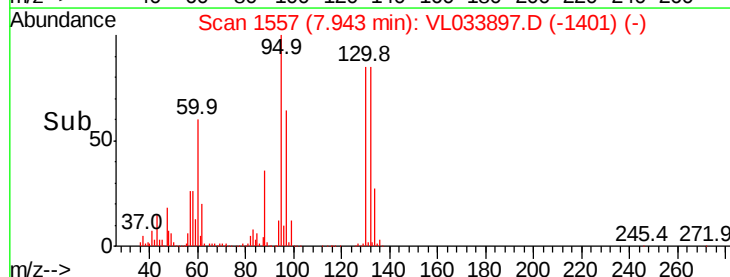
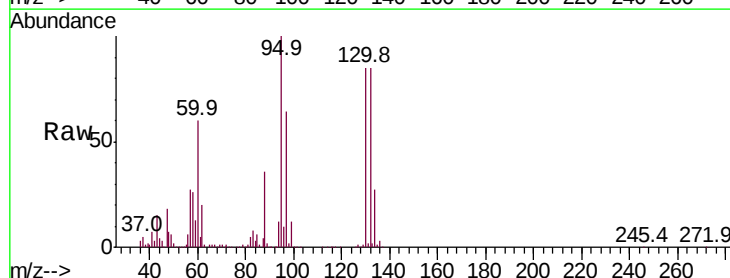
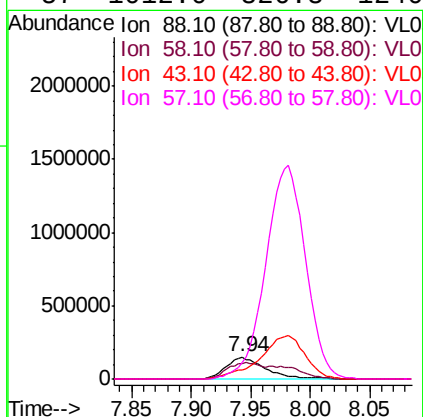
RT: 7.94 min Scan# 1557

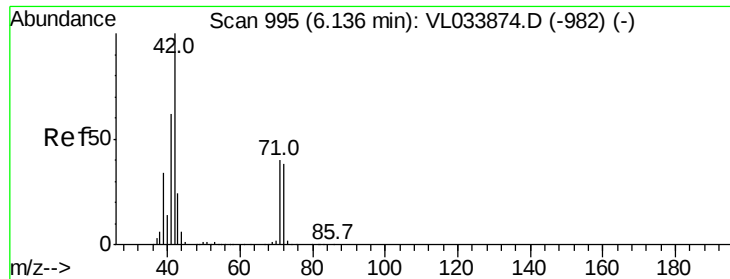
Delta R.T. 0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Tgt Ion:	88	Resp:	335524
Ion	Ratio	Lower	Upper
88	100		
58	118.0	100.0	150.0
43	230.9	184.7	277.1
57	1012.0	826.8	1240.2





#41

Tetrahydrofuran

Concen: 12.069 ppbv

RT: 6.14 min Scan# 995

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

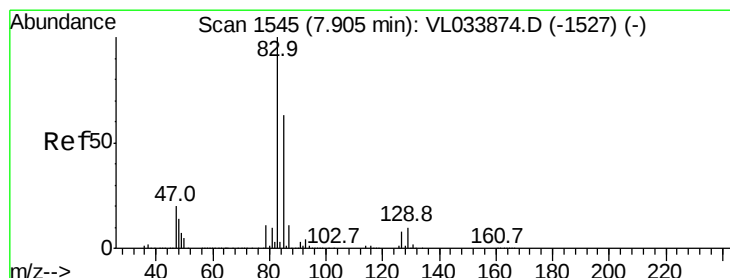
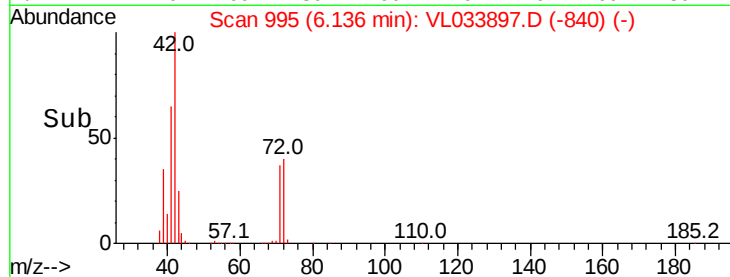
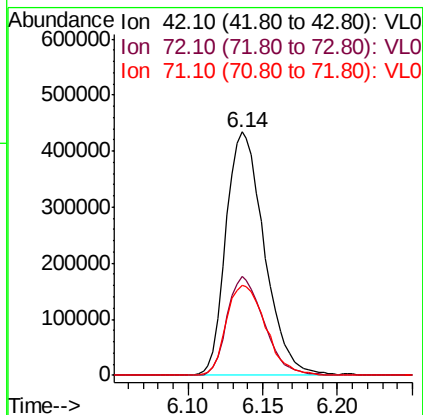
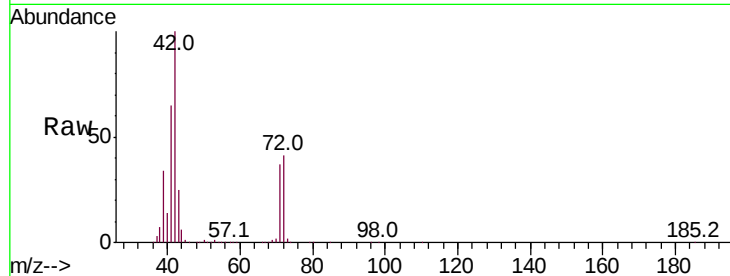
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.2	48.4
71	38.3	31.7	47.5

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#42

Bromodichloromethane

Concen: 11.107 ppbv

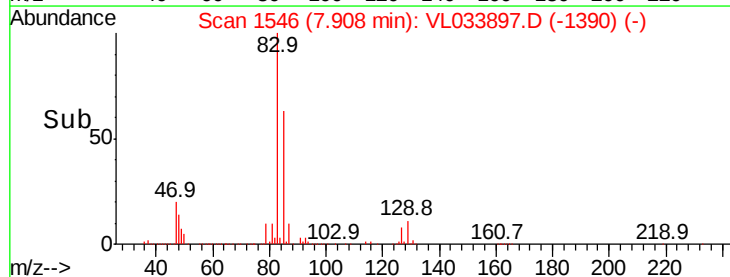
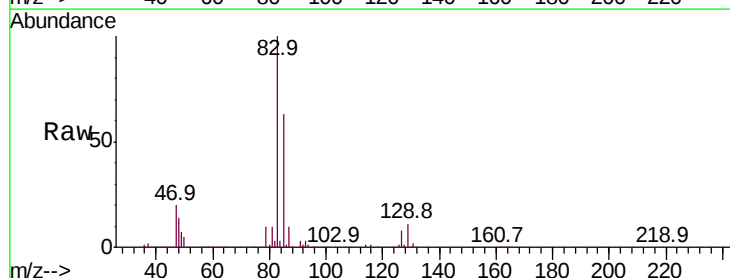
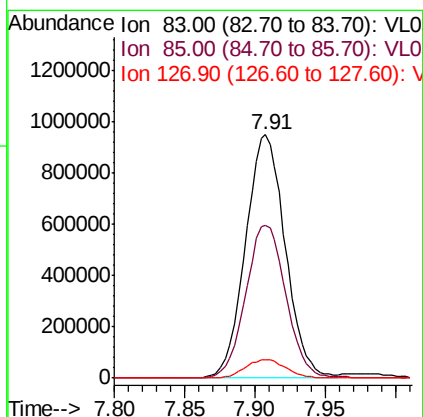
RT: 7.91 min Scan# 1546

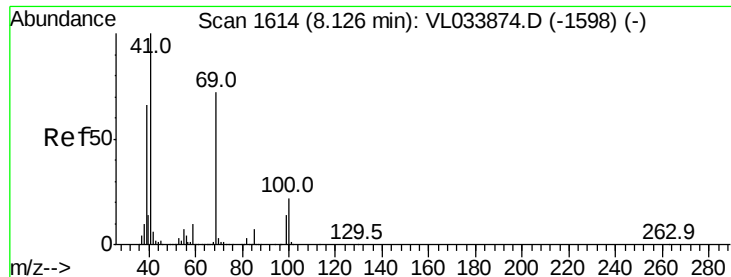
Delta R.T. 0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.2	75.2
127	7.6	6.5	9.7





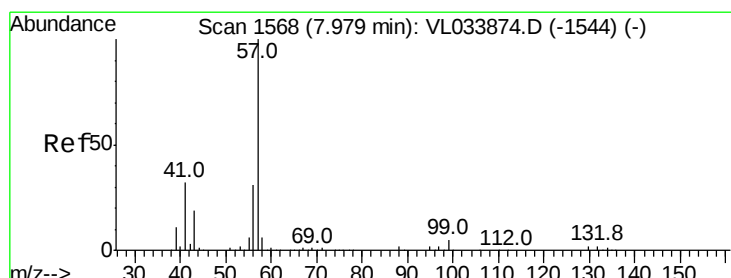
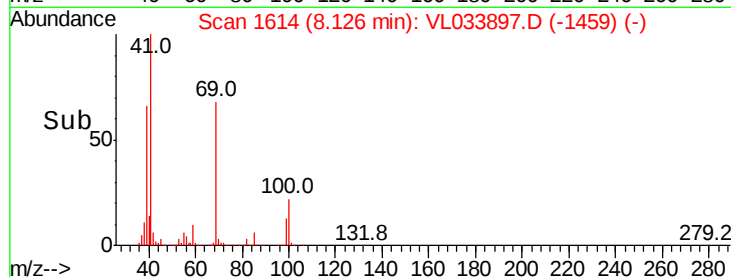
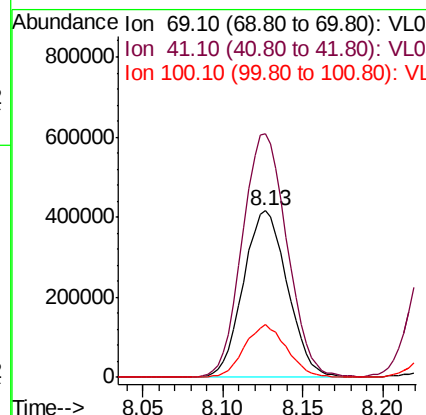
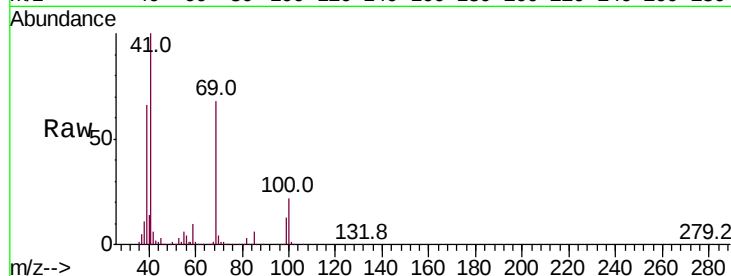
#43
Methvl Methacrilate
Concen: 12.309 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. -0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	147.9	114.3	171.5
100	30.3	24.8	37.2

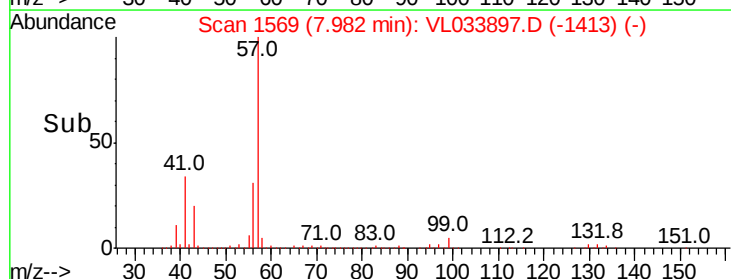
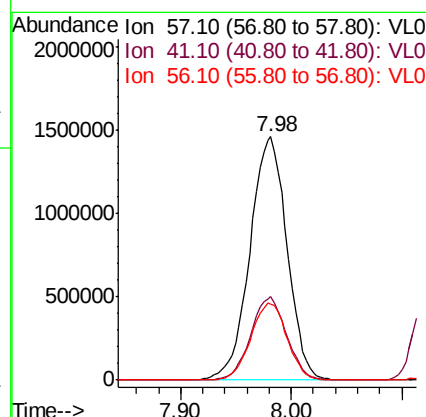
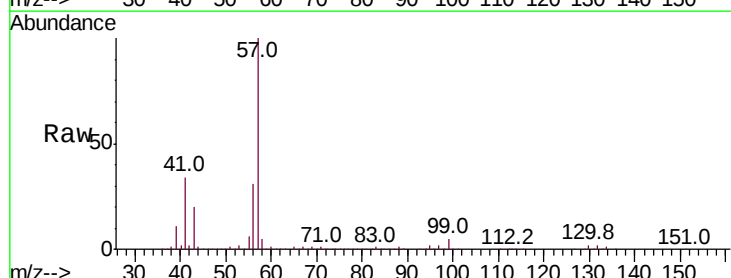
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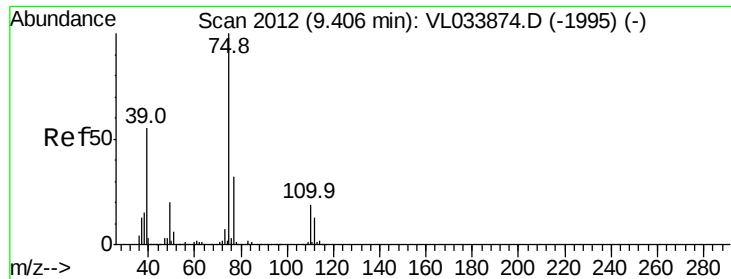
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#44
2,2,4-Trimethylpentane
Concen: 11.141 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.1	26.1	39.1
56	31.1	24.6	36.8





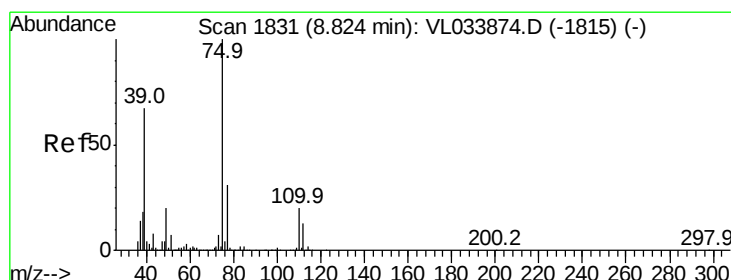
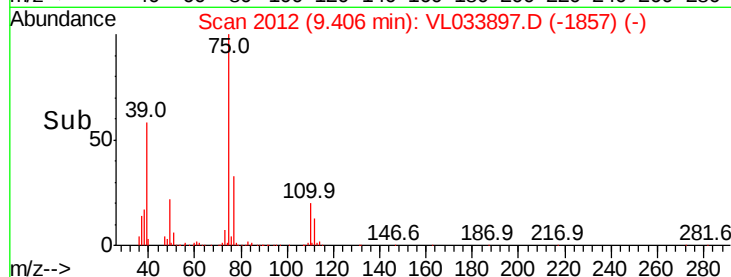
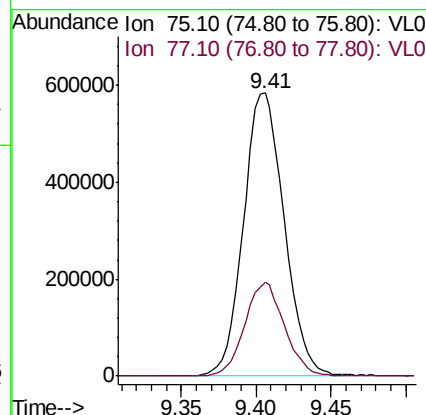
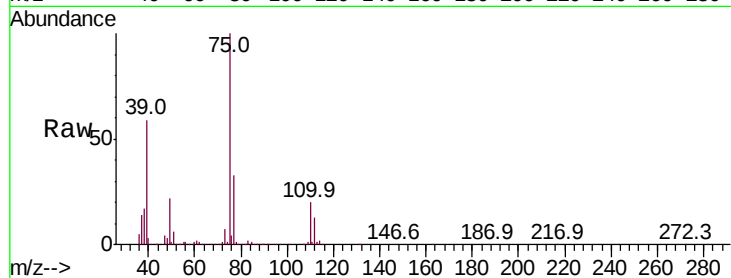
#45
t-1,3-Dichloropropene
Concen: 13.201 ppbv
RT: 9.41 min Scan# 2012
Delta R.T. -0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1105934
Ion Ratio Lower Upper
75 100
77 33.2 25.4 38.2

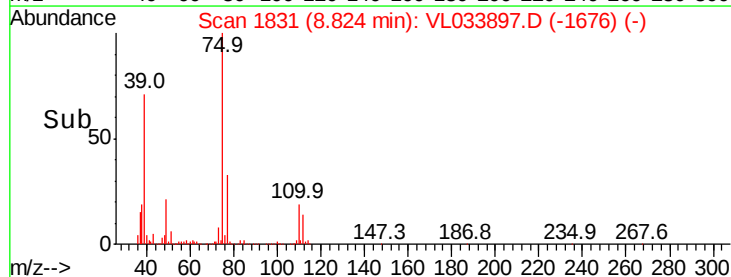
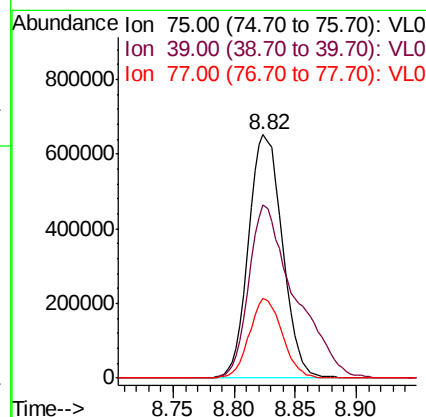
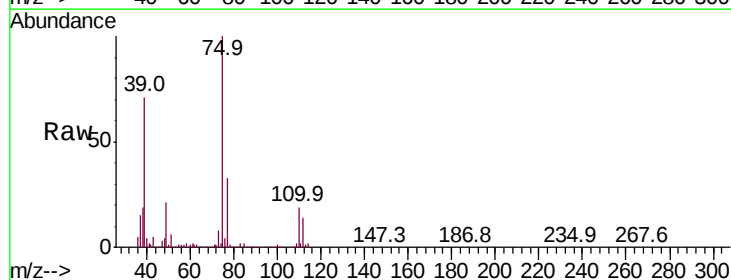
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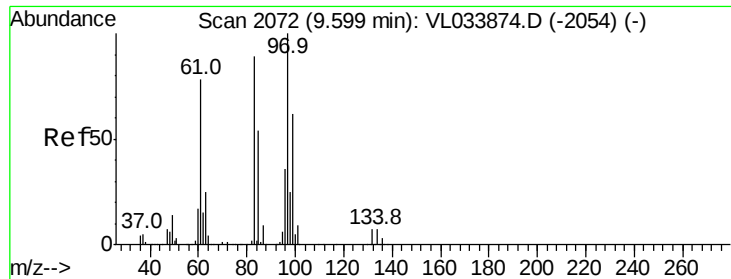
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 12.958 ppbv
RT: 8.82 min Scan# 1831
Delta R.T. -0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Tgt Ion: 75 Resp: 1243694
Ion Ratio Lower Upper
75 100
39 71.3 53.8 80.8
77 32.7 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 10.747 ppbv

RT: 9.61 min Scan# 2074

Delta R.T. 0.01 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 844132

Ion Ratio Lower Upper

97 100

83 91.6 70.9 106.3

85 59.9 43.0 64.6

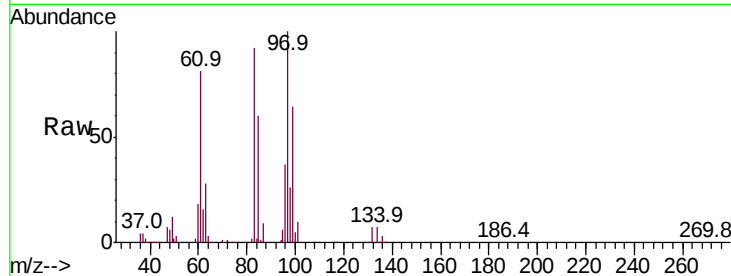
99 64.2 49.3 73.9

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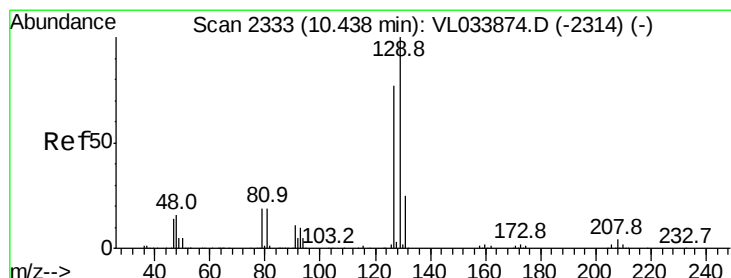
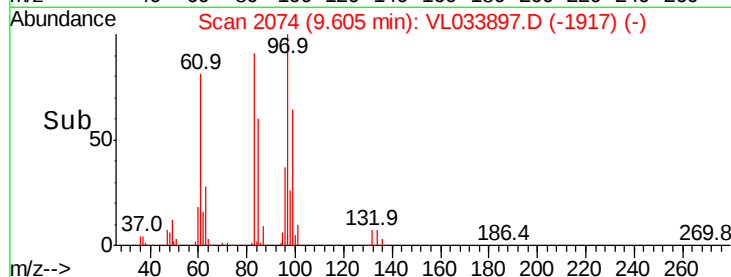
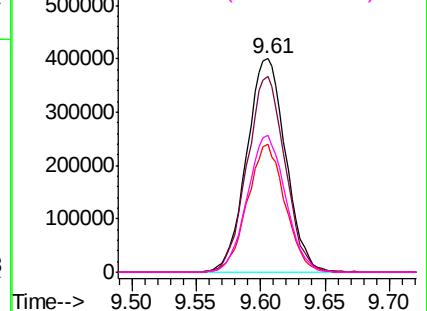
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.532 ppbv

RT: 10.44 min Scan# 2333

Delta R.T. -0.00 min

Lab File: VL033897.D

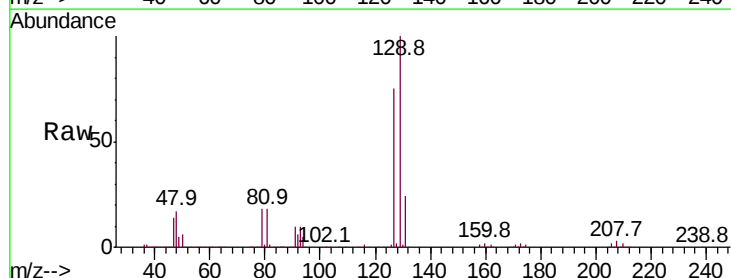
Acq: 7 Jun 2019 20:19

Tgt Ion: 129 Resp: 1627793

Ion Ratio Lower Upper

129 100

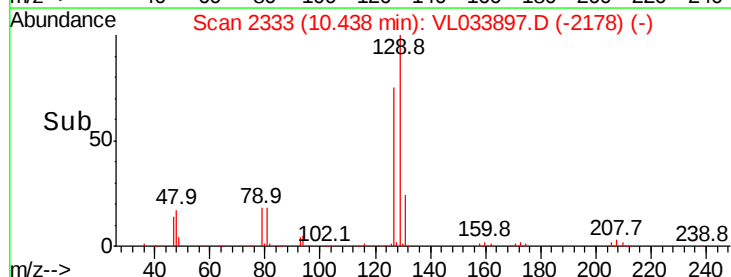
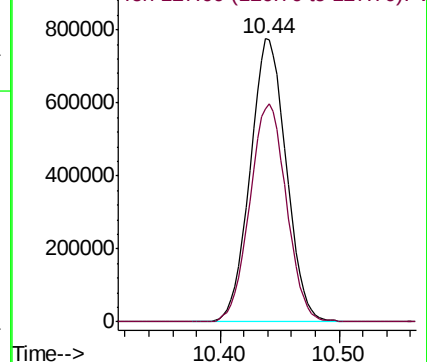
127 78.4 38.6 115.7

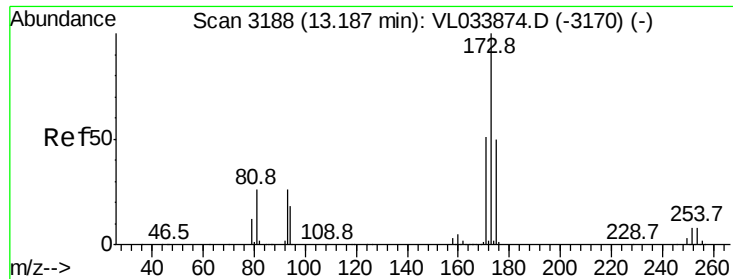


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





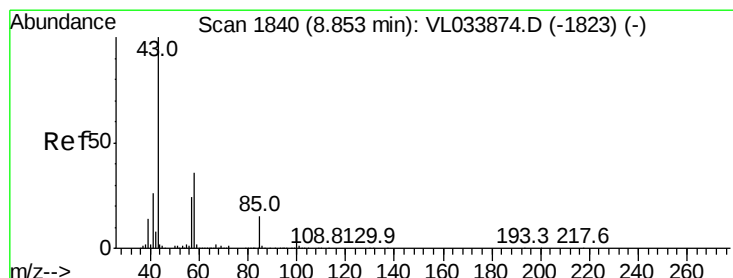
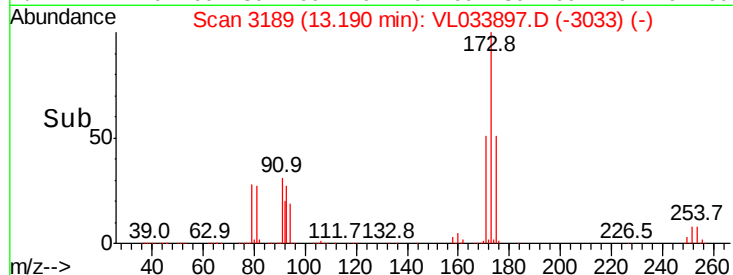
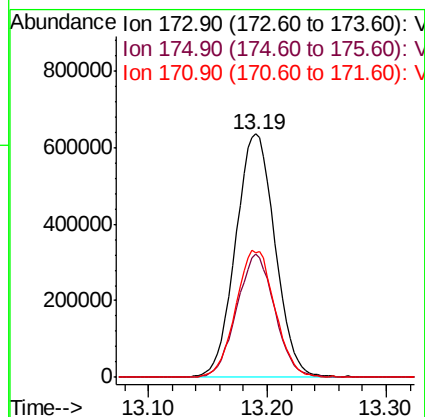
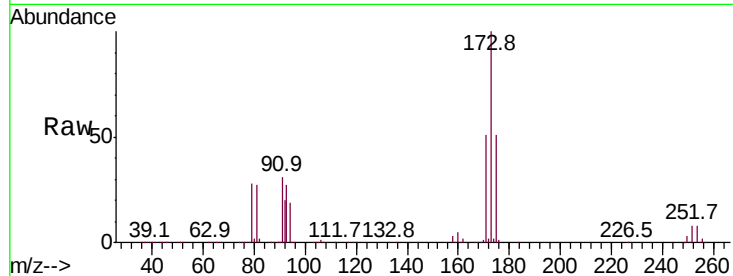
#49
Bromoform
Concen: 11.703 ppbv
RT: 13.19 min Scan# 3189
Delta R.T. 0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1458329
Ion Ratio Lower Upper
173 100
175 49.0 39.6 59.4
171 51.9 41.8 62.8

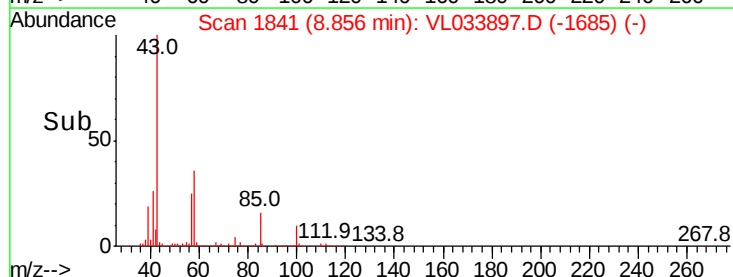
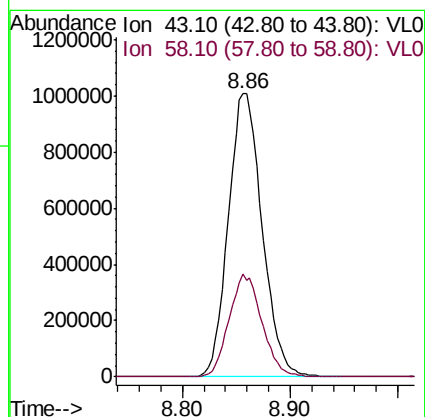
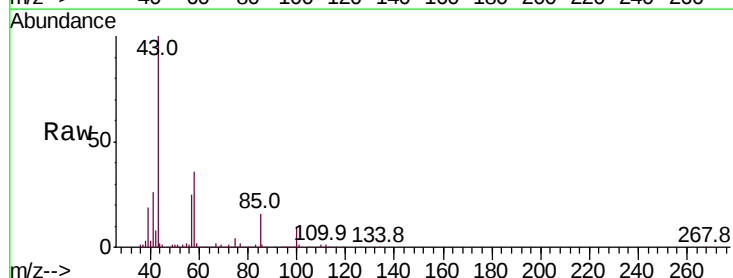
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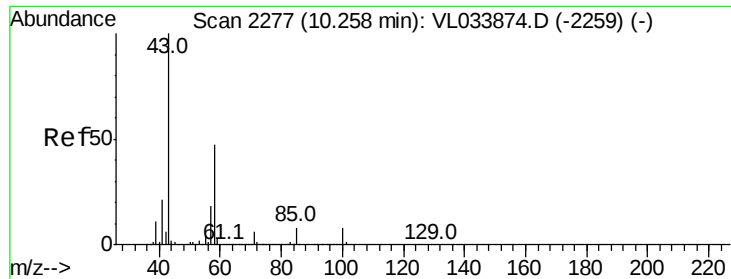
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#50
4-Methyl-2-Pentanone
Concen: 11.678 ppbv
RT: 8.86 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Tgt Ion: 43 Resp: 2195459
Ion Ratio Lower Upper
43 100
58 35.4 28.6 42.8





#51

2-Hexanone

Concen: 12.165 ppbv

RT: 10.26 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1785893

Ion Ratio Lower Upper

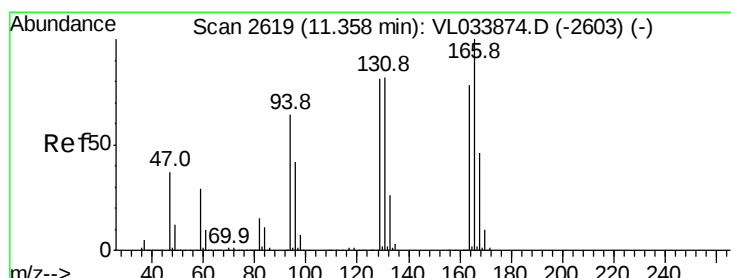
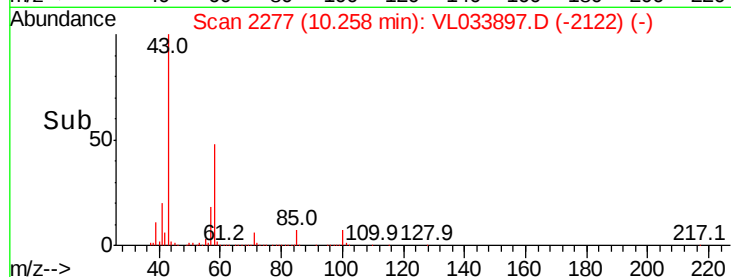
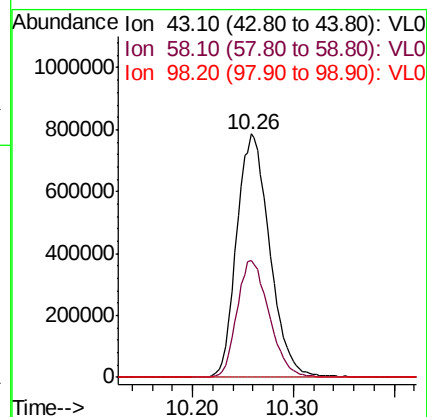
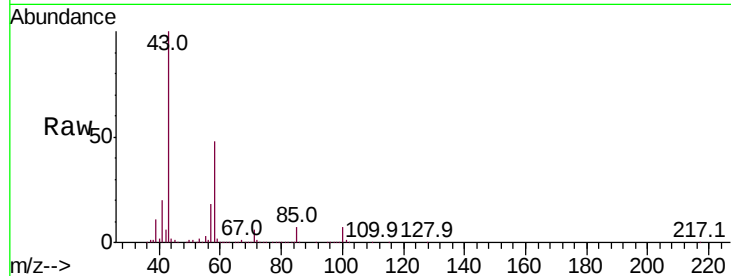
43 100

58 46.9 38.2 57.4

98 0.4 0.2 0.2#

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#52

Tetrachloroethene

Concen: 13.134 ppbv

RT: 11.36 min Scan# 2620

Delta R.T. 0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Tgt Ion:164 Resp: 788937

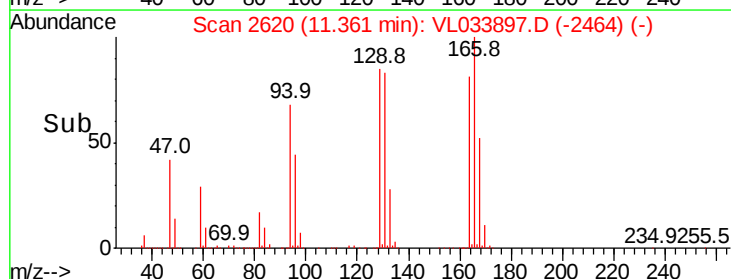
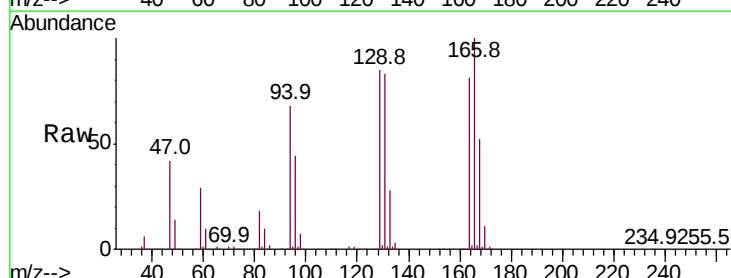
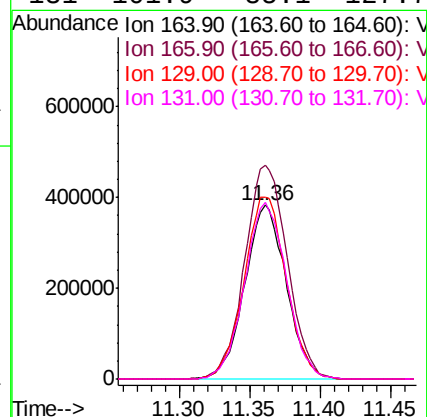
Ion Ratio Lower Upper

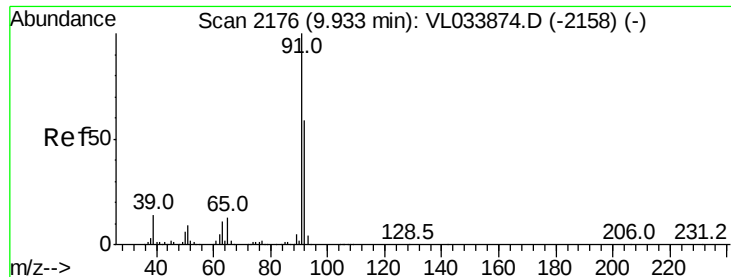
164 100

166 122.7 103.1 154.7

129 104.7 83.9 125.9

131 101.9 85.1 127.7





#53

Toluene

Concen: 12.286 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2321048

Ion Ratio Lower Upper

91 100

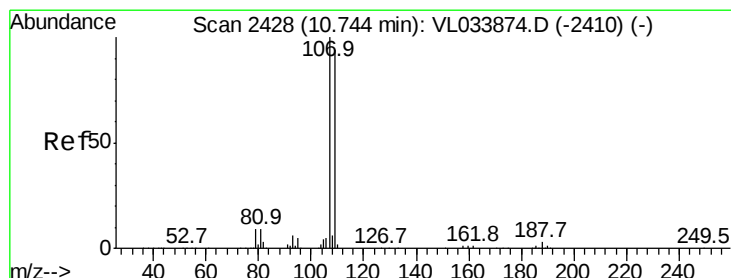
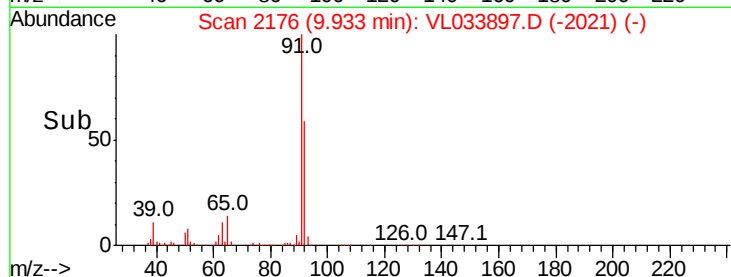
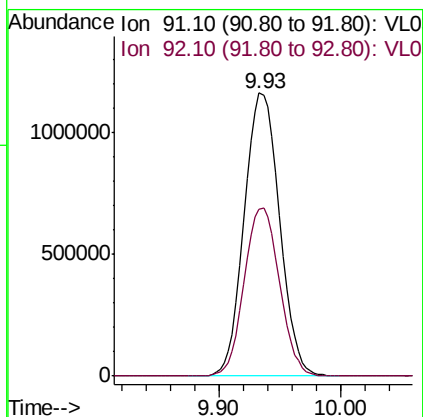
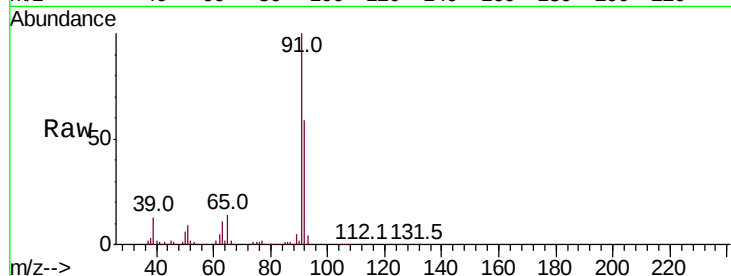
92 59.4 47.0 70.6

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#54

1,2-Dibromoethane

Concen: 11.378 ppbv

RT: 10.75 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VL033897.D

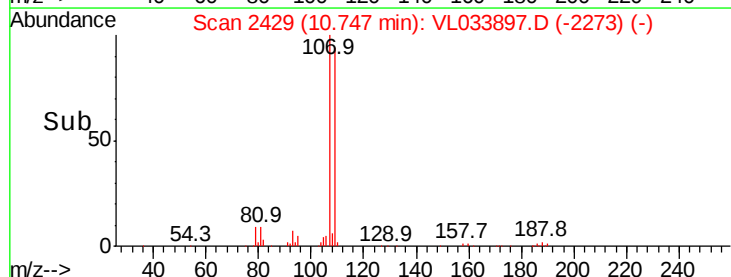
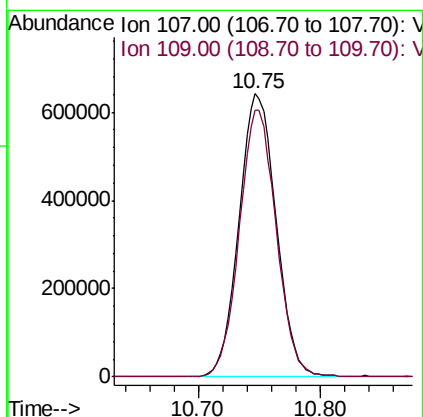
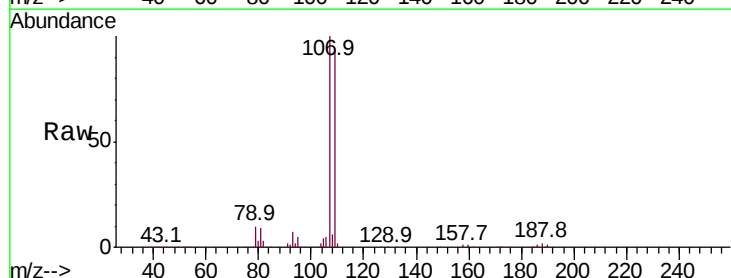
Acq: 7 Jun 2019 20:19

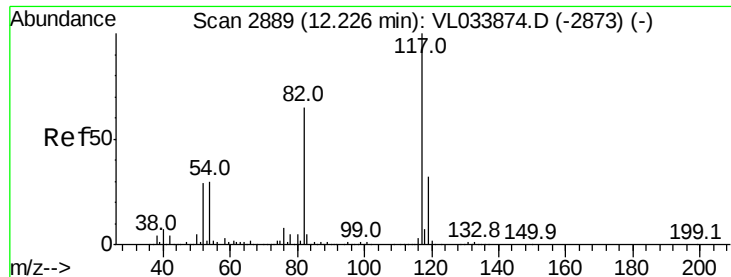
Tgt Ion: 107 Resp: 1347225

Ion Ratio Lower Upper

107 100

109 93.9 74.9 112.3





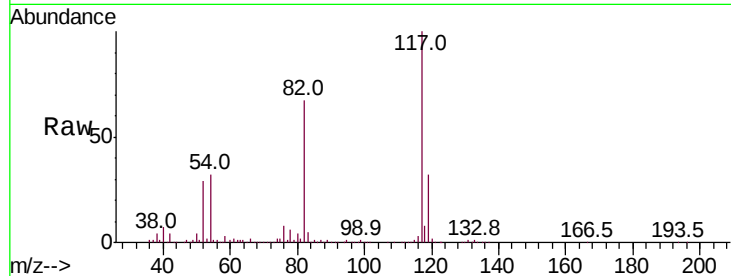
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.23 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

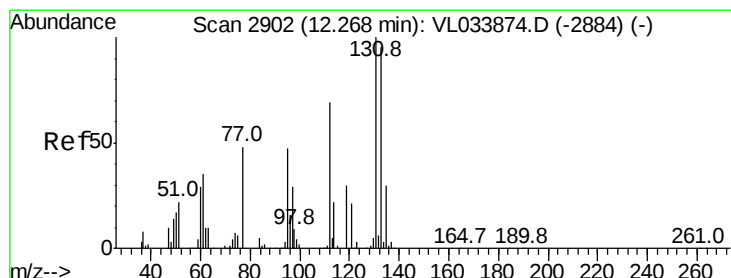
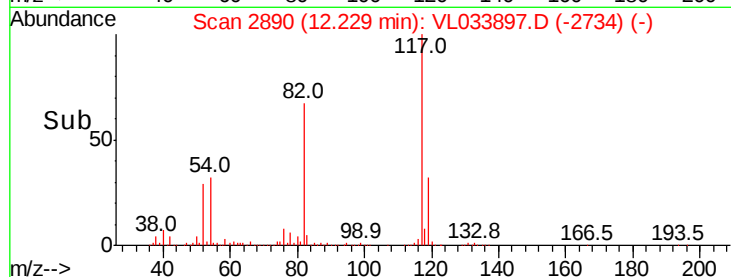
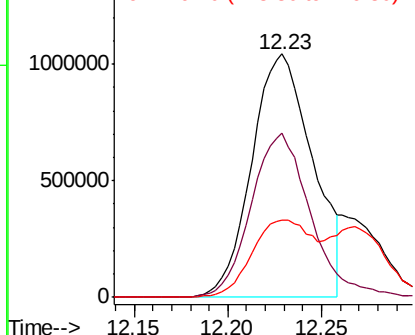
Tot Ion:117 Resp: 2356938
Ion Ratio Lower Upper
117 100
82 66.3 50.2 75.2
119 33.1 24.8 37.2

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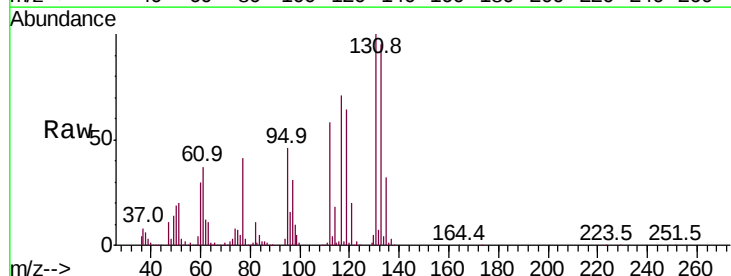


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VLO
Ion 119.10 (118.80 to 119.80): V

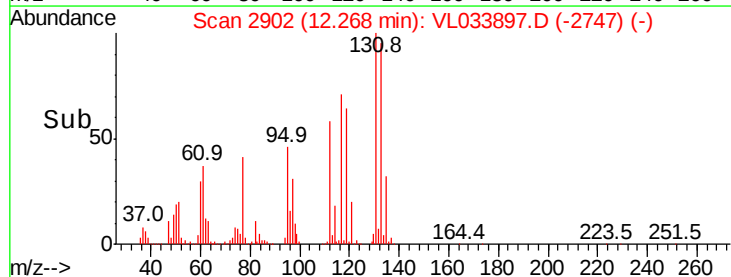
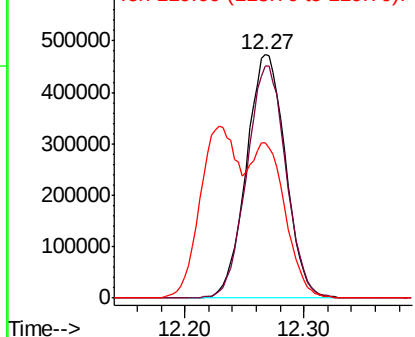


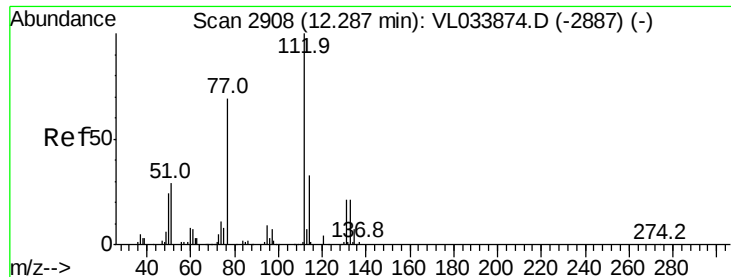
#56
1,1,1,2-Tetrachloroethane
Concen: 10.459 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Tgt Ion:131 Resp: 1076870
Ion Ratio Lower Upper
131 100
133 95.7 76.5 114.7
119 56.0 42.6 64.0



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





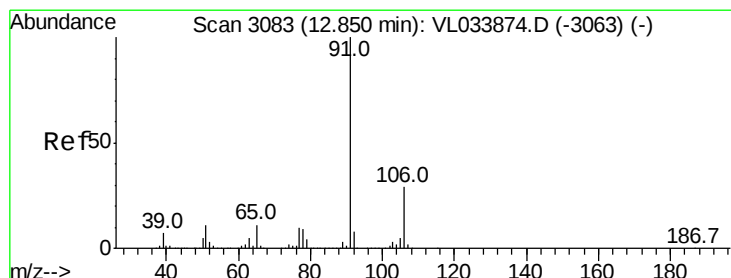
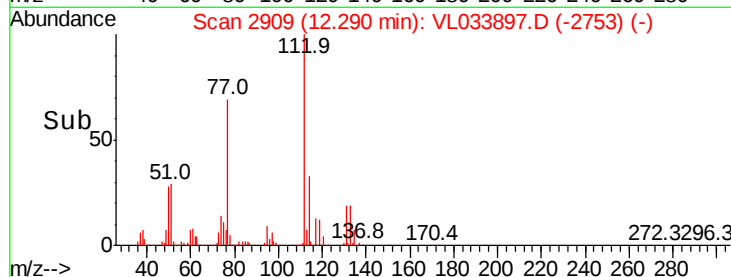
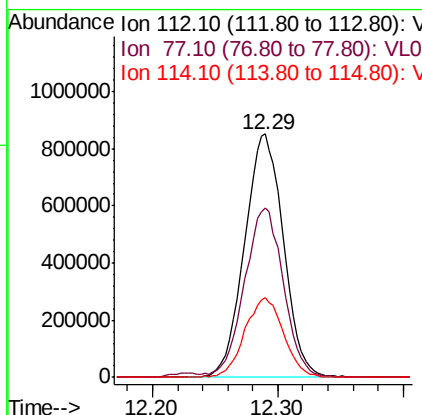
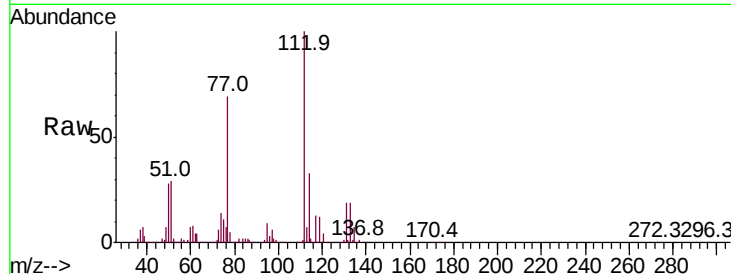
#57
Chlorobenzene
Concen: 10.388 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.1	55.8	83.6
114	32.6	29.8	36.4

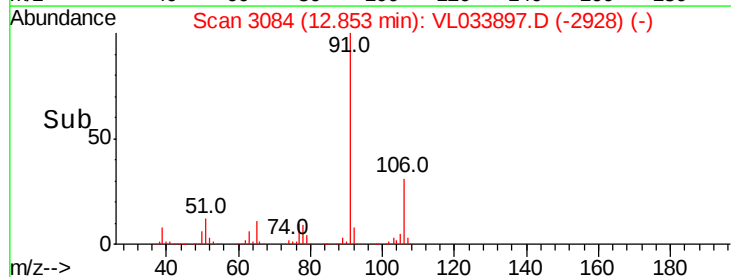
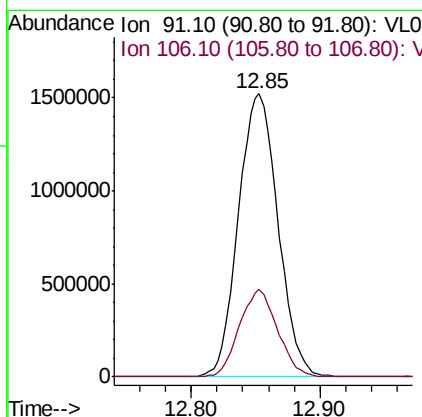
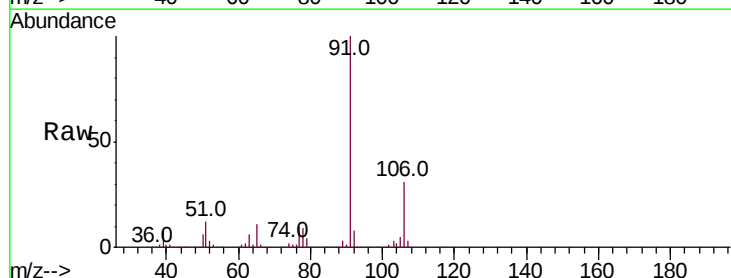
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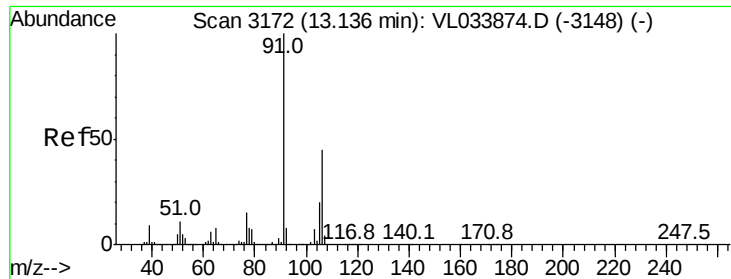
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#58
Ethyl Benzene
Concen: 12.227 ppbv
RT: 12.85 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.0	34.6





#59

m/p-Xylene

Concen: 22.833 ppbv m

RT: 13.14 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 5517576

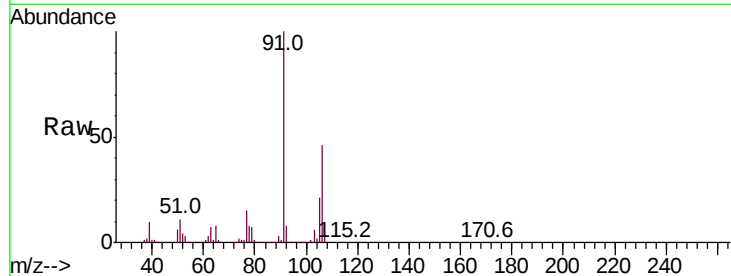
Ion Ratio Lower Upper

91 100

106 44.8 35.8 53.8

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.14

1500000

1000000

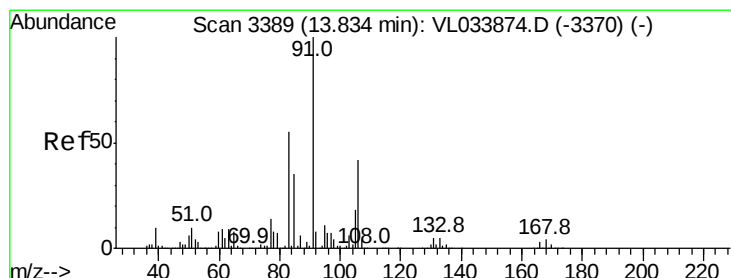
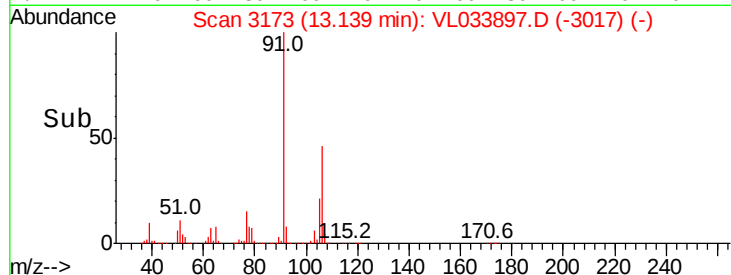
500000

0

Time--> 13.00

13.10

13.20



#60

o-Xylene

Concen: 11.261 ppbv

RT: 13.84 min Scan# 3391

Delta R.T. 0.01 min

Lab File: VL033897.D

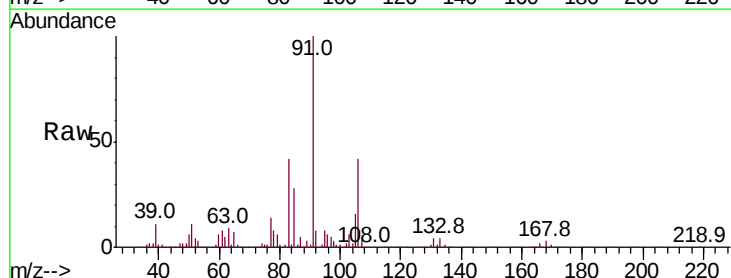
Acq: 7 Jun 2019 20:19

Tgt Ion: 91 Resp: 2809519

Ion Ratio Lower Upper

91 100

106 43.5 21.7 65.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.84

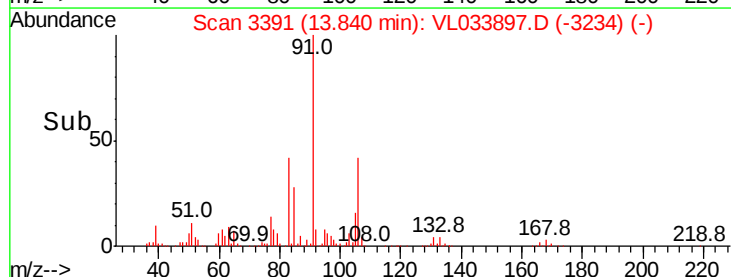
1000000

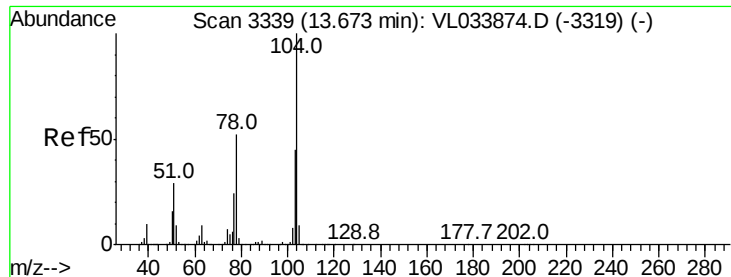
500000

0

Time--> 13.80

13.90





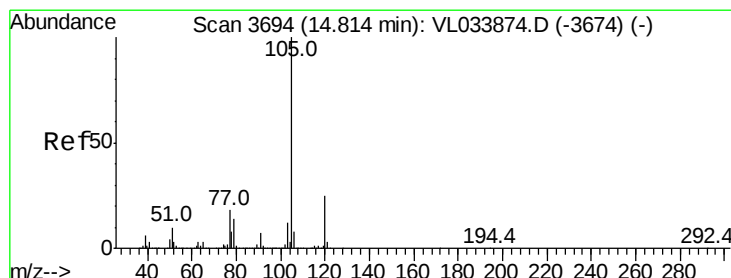
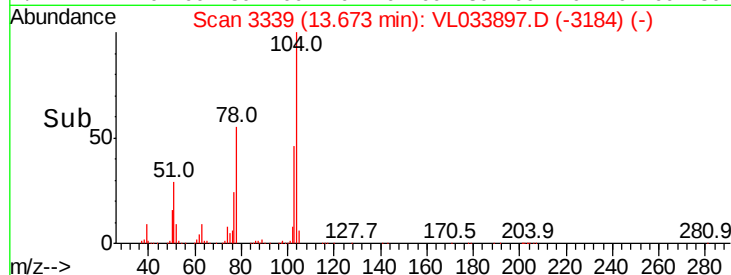
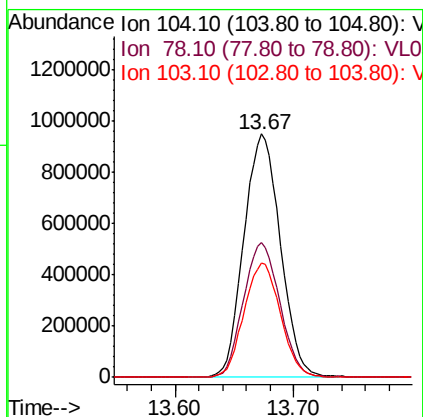
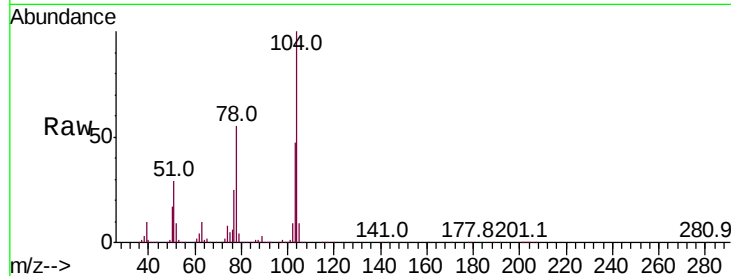
#61
Stvrene
Concen: 12.506 ppbv
RT: 13.67 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.6	43.4	65.0
103	47.0	37.6	56.4

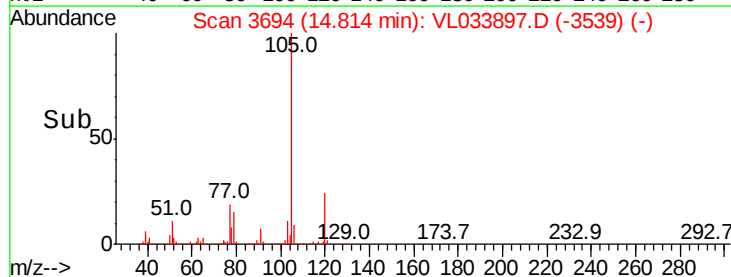
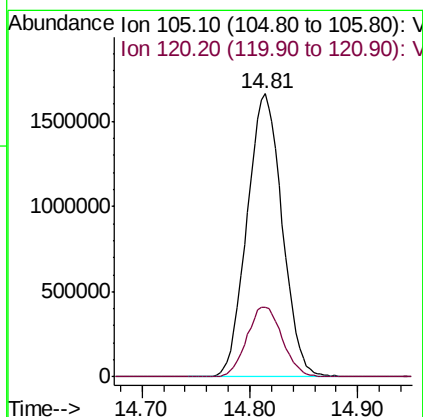
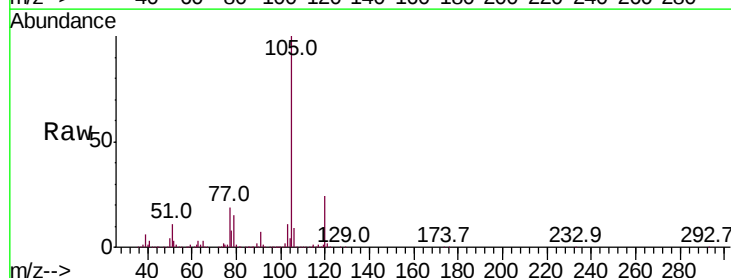
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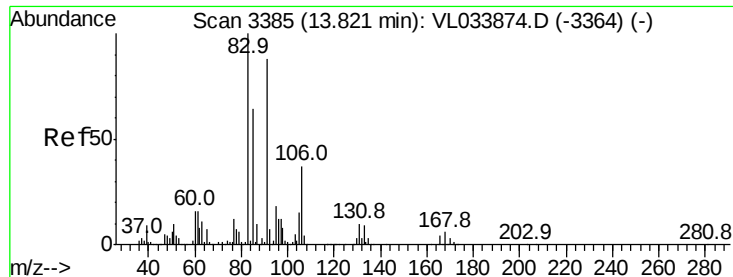
MMDadoda
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#62
Isopropylbenzene
Concen: 11.168 ppbv
RT: 14.81 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 10.559 ppbv

RT: 13.83 min Scan# 3387

Delta R.T. 0.01 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1982981

Ion Ratio Lower Upper

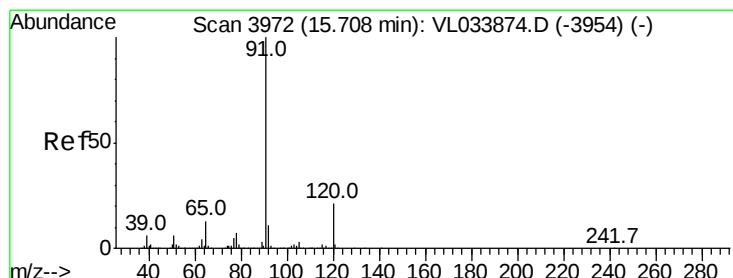
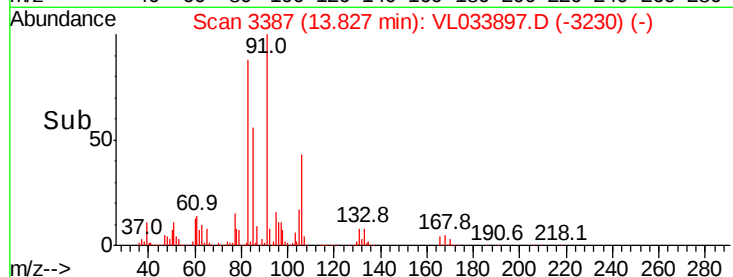
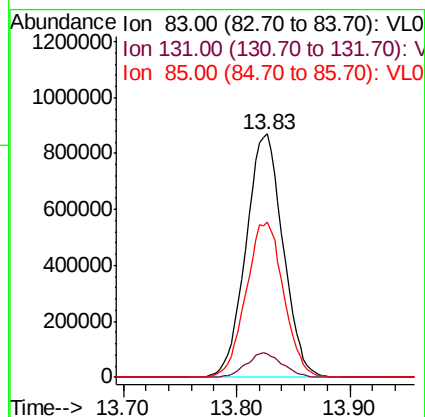
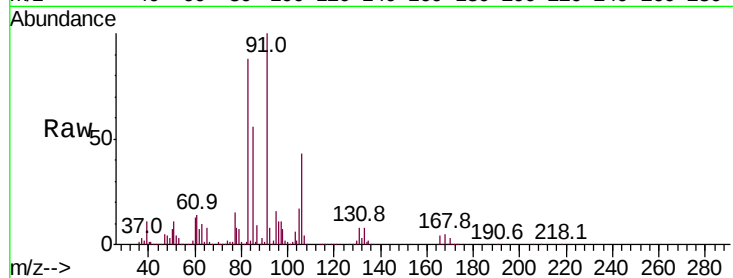
83 100

131 9.8 4.8 14.4

85 64.6 32.1 96.3

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#64

n-propylbenzene

Concen: 11.289 ppbv

RT: 15.71 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VL033897.D

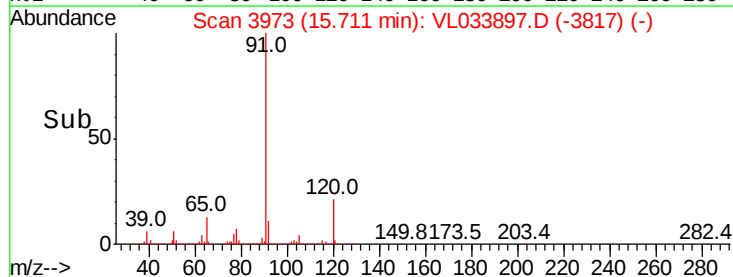
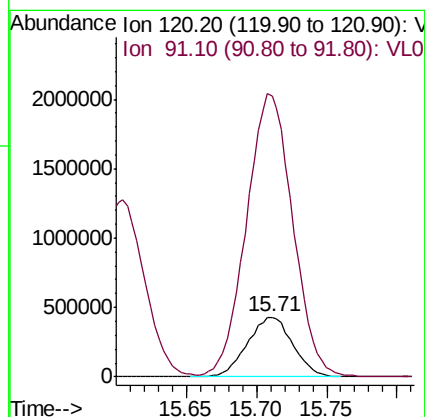
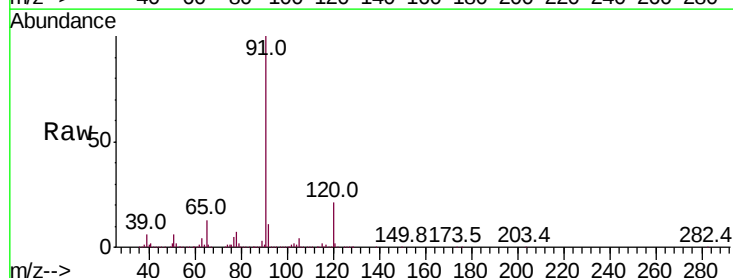
Acq: 7 Jun 2019 20:19

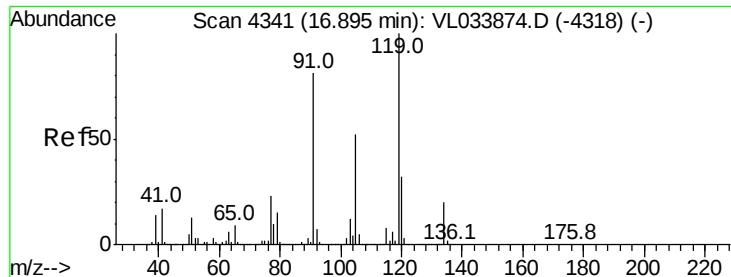
Tgt Ion: 120 Resp: 972098

Ion Ratio Lower Upper

120 100

91 483.9 387.0 580.6





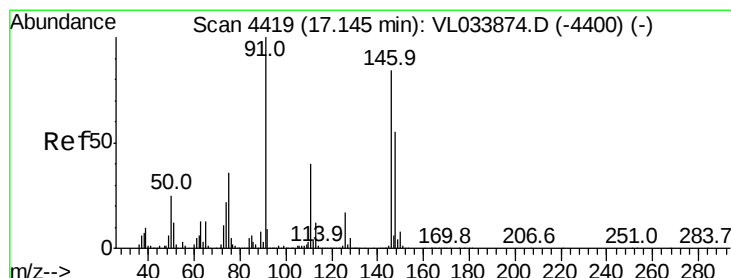
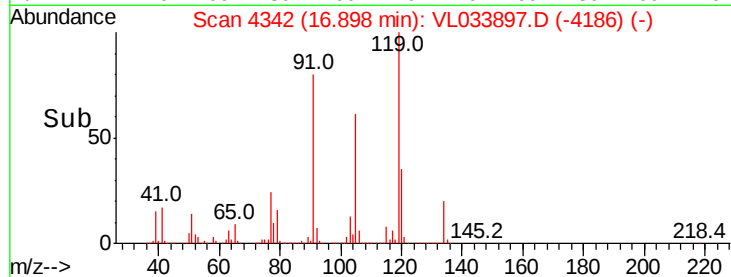
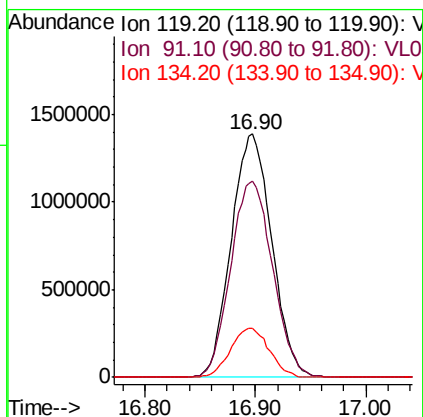
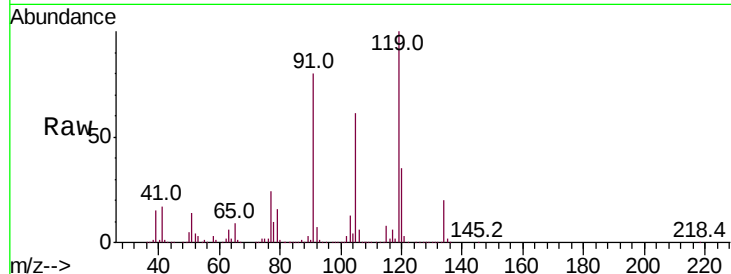
#65
 tert-Butylbenzene
 Concen: 11.376 ppbv
 RT: 16.90 min Scan# 4342
 Delta R.T. 0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 3539733
 Ion Ratio Lower Upper
 119 100
 91 83.5 66.6 100.0
 134 19.4 15.5 23.3

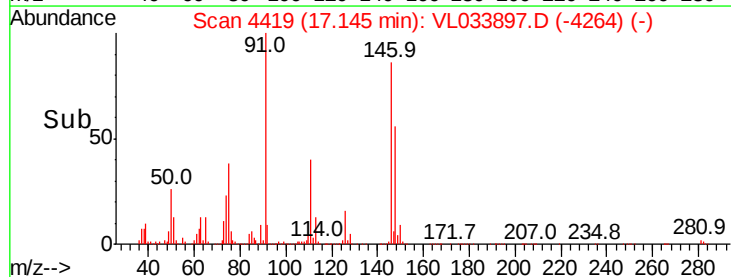
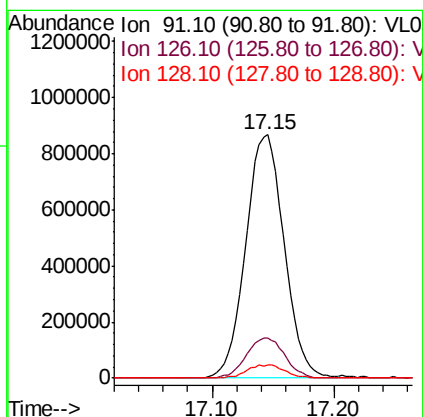
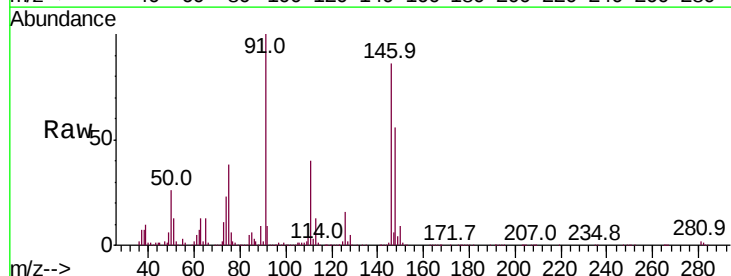
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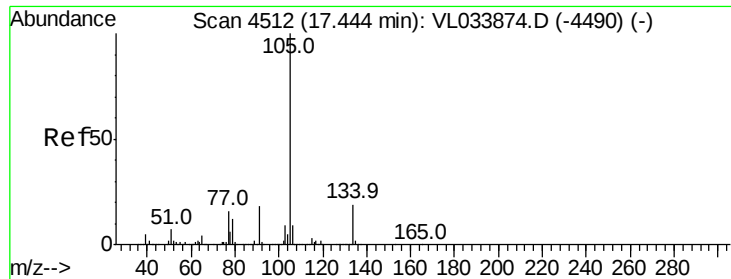
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#66
 Benzyl Chloride
 Concen: 11.944 ppbv
 RT: 17.15 min Scan# 4419
 Delta R.T. -0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Tgt Ion: 91 Resp: 1883314
 Ion Ratio Lower Upper
 91 100
 126 16.7 13.8 20.6
 128 5.4 4.4 6.6





#67

sec-Butylbenzene

Concen: 11.191 ppbv

RT: 17.44 min Scan# 4512

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4885187

Ion Ratio Lower Upper

105 100

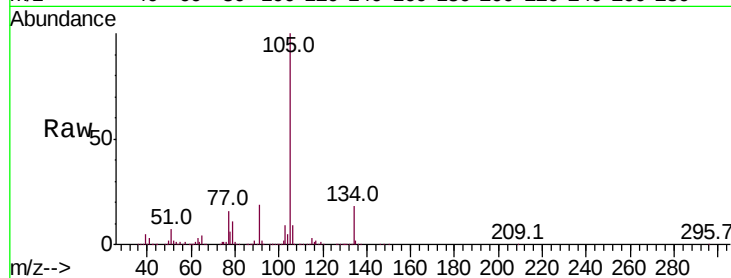
134 18.1 14.6 22.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

1000000

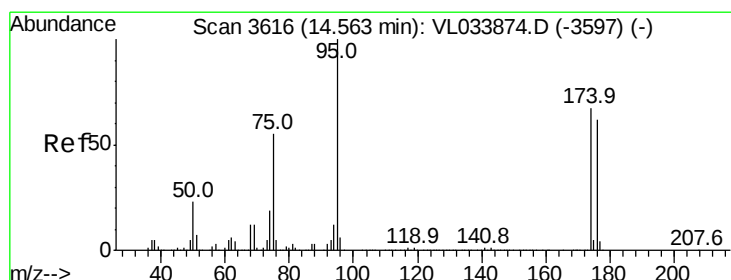
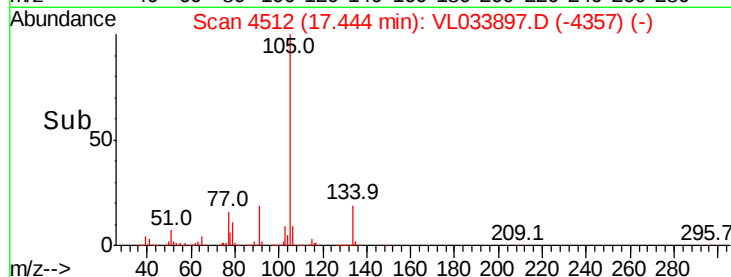
500000

0

17.44

17.40 17.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.061 ppbv

RT: 14.56 min Scan# 3616

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

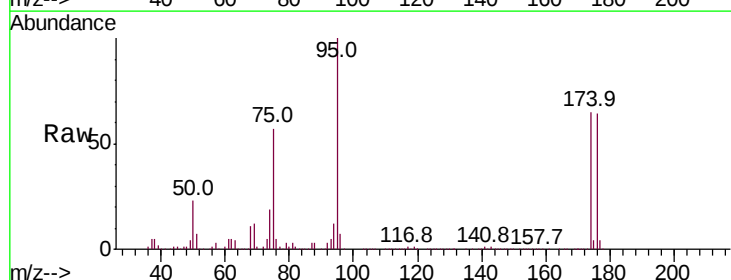
Tgt Ion: 95 Resp: 1947790

Ion Ratio Lower Upper

95 100

174 65.9 54.0 81.0

175 4.8 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

1200000

1000000

800000

600000

400000

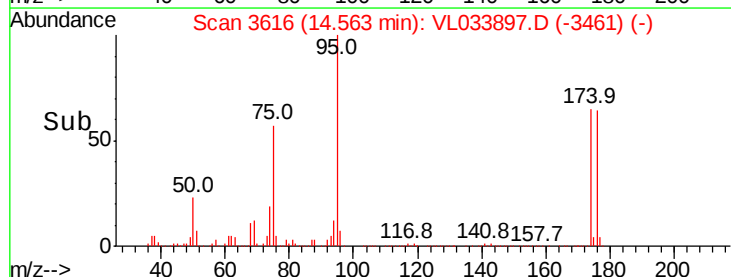
200000

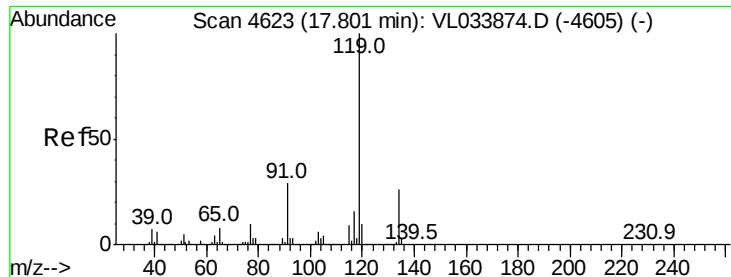
0

14.56

14.50 14.60

Time-->





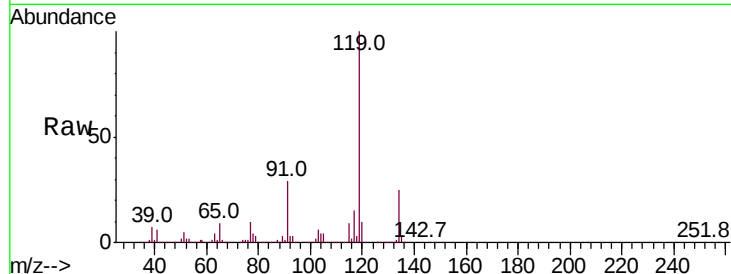
#69
 p-Isopropyltoluene
 Concen: 11.097 ppbv
 RT: 17.80 min Scan# 4623
 Delta R.T. -0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

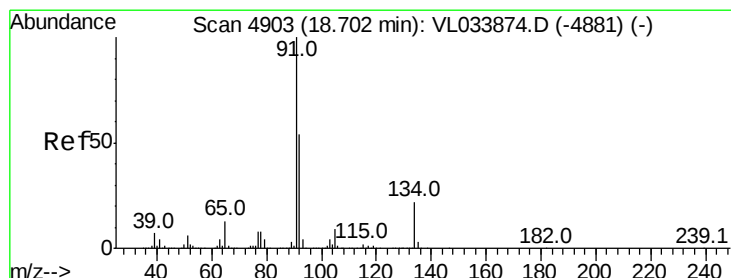
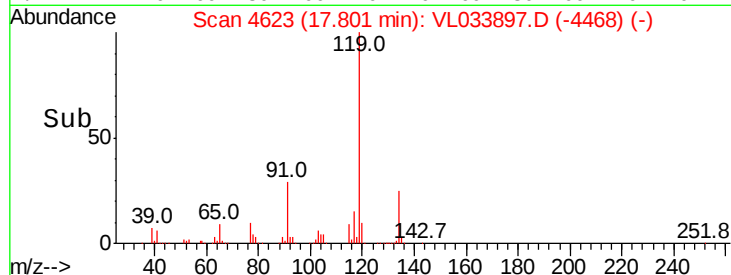
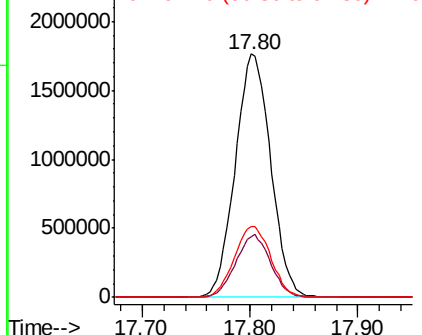
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	30.0	23.8	35.6

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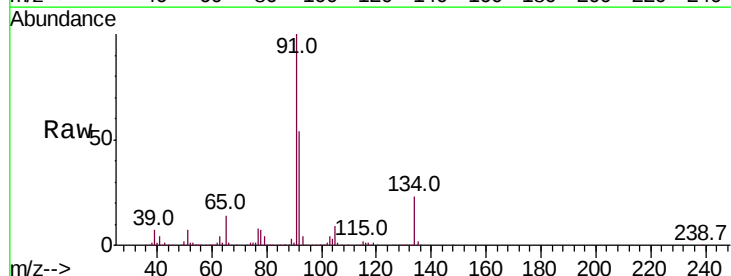


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

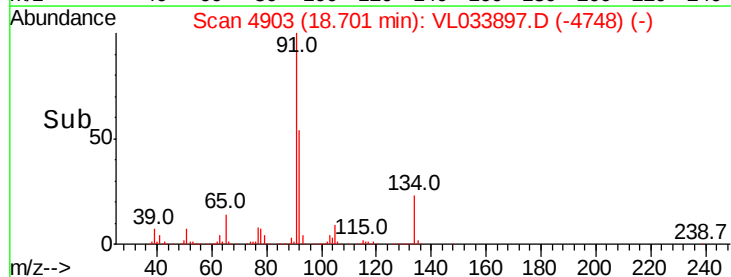
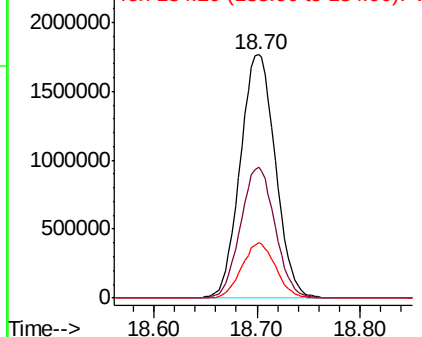


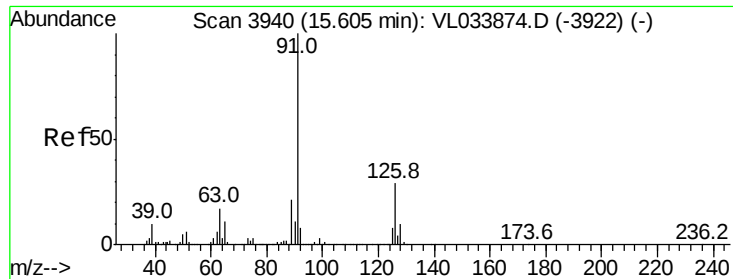
#70
 n-Butylbenzene
 Concen: 10.497 ppbv
 RT: 18.70 min Scan# 4903
 Delta R.T. -0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	42.5	63.7
134	21.9	17.8	26.6



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: 11.588 ppbv

RT: 15.61 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2870650

Ion Ratio Lower Upper

91 100

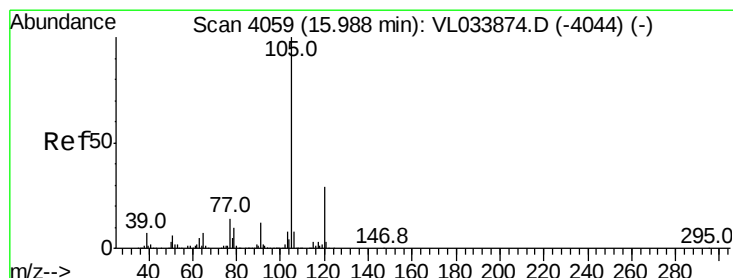
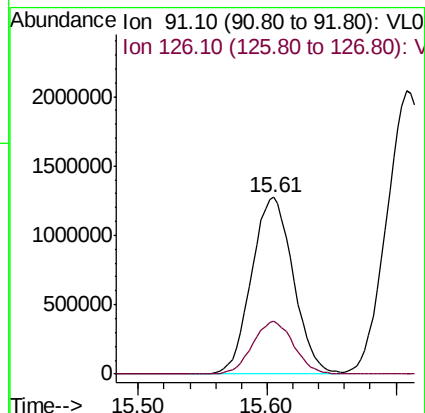
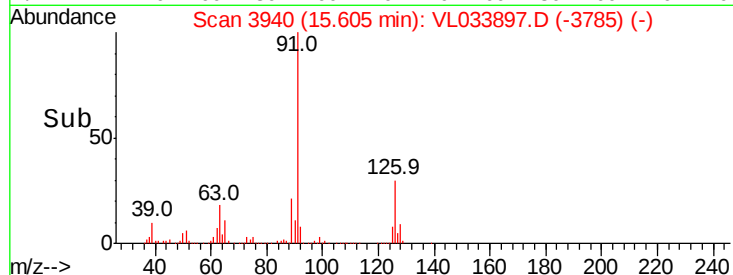
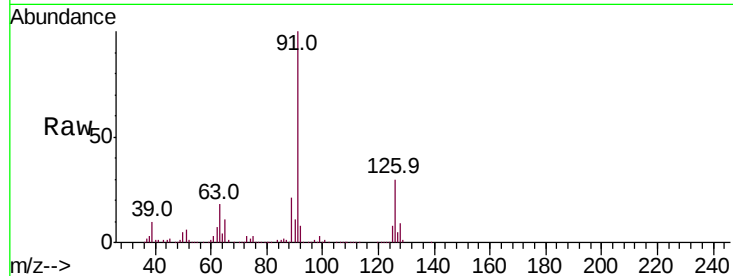
126 29.7 12.0 48.2

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#72

4-Ethyltoluene

Concen: 11.604 ppbv

RT: 15.99 min Scan# 4059

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Tgt Ion:105 Resp: 3294706

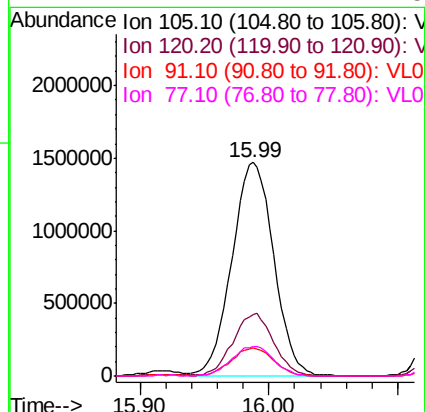
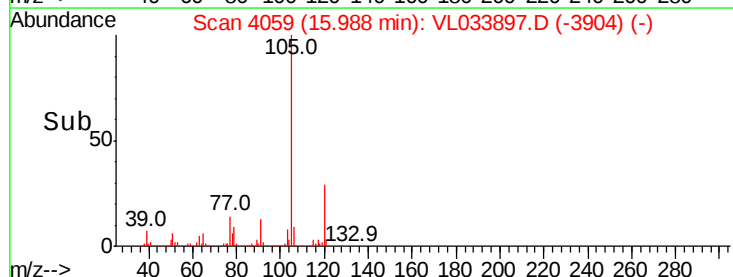
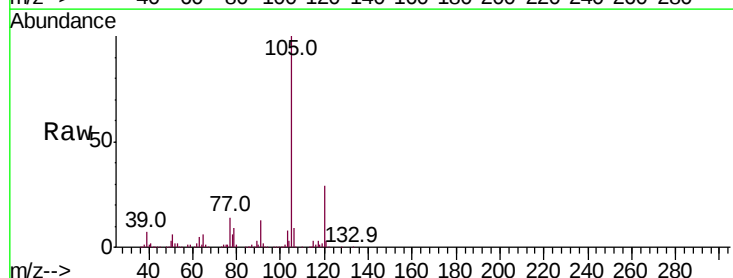
Ion Ratio Lower Upper

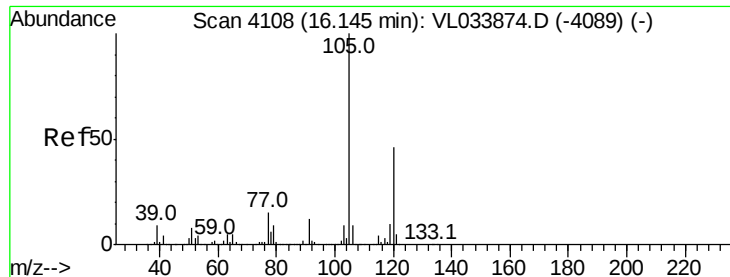
105 100

120 28.7 23.5 35.3

91 13.4 10.4 15.6

77 14.2 11.7 17.5





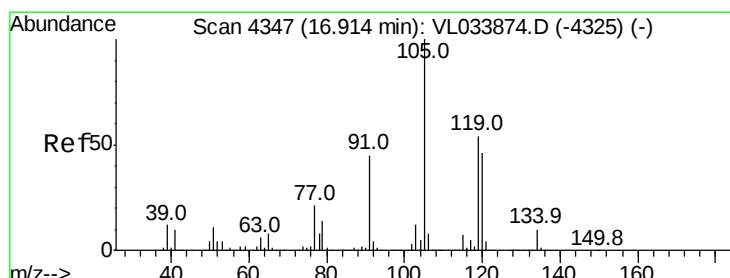
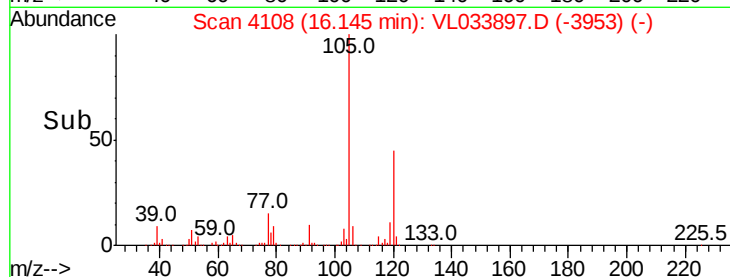
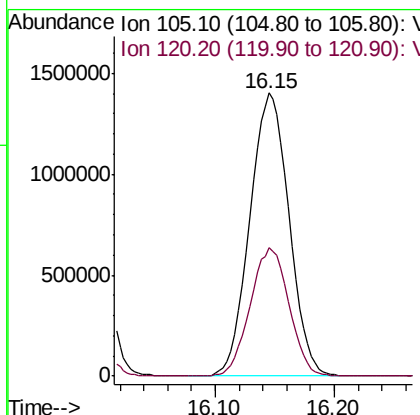
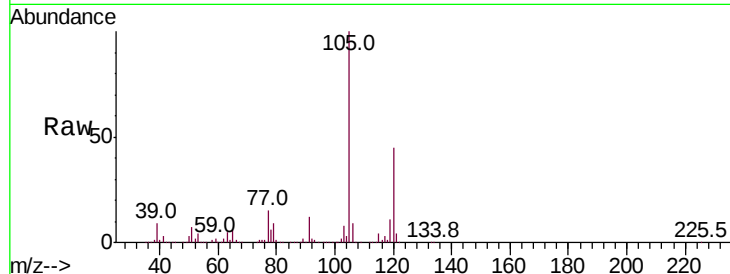
#73
 1,3,5-Trimethylbenzene
 Concen: 11.396 ppbv
 RT: 16.15 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3187043
 Ion Ratio Lower Upper
 105 100
 120 45.3 37.1 55.7

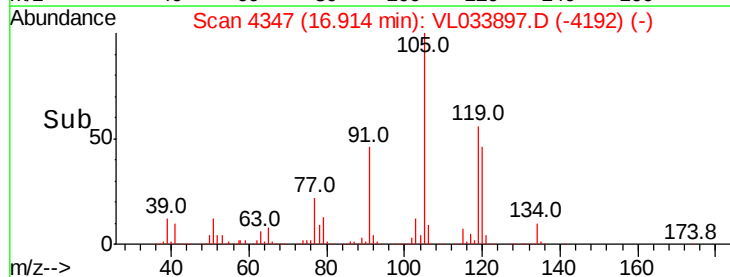
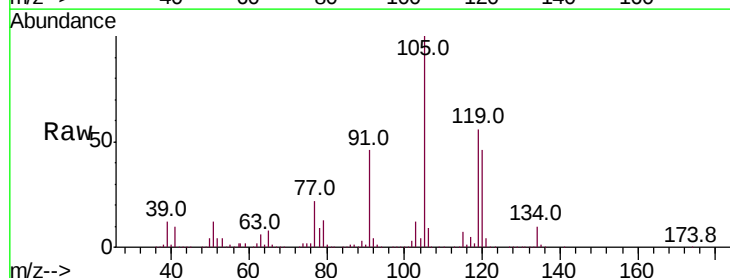
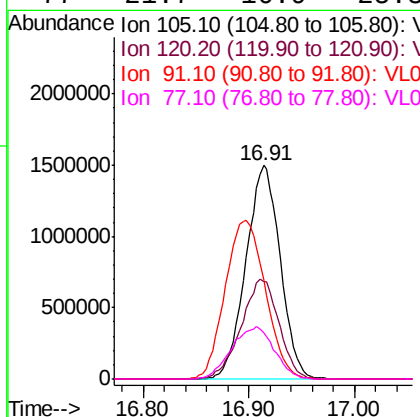
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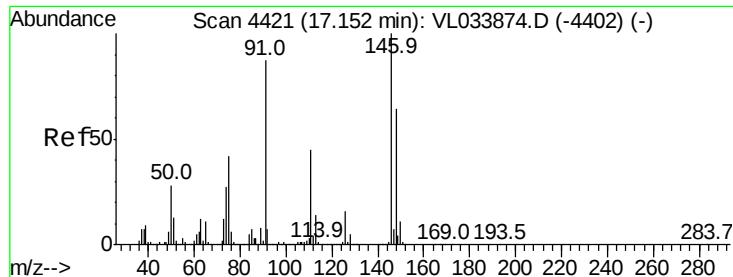
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.522 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. -0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Tgt Ion:105 Resp: 3391755
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.7 55.1
 91 46.2 35.8 53.8
 77 21.7 16.9 25.3





#75

1,3-Dichlorobenzene

Concen: 9.597 ppbv

RT: 17.15 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1937310

Ion Ratio Lower Upper

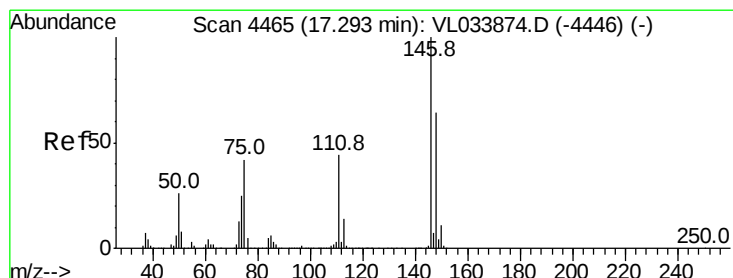
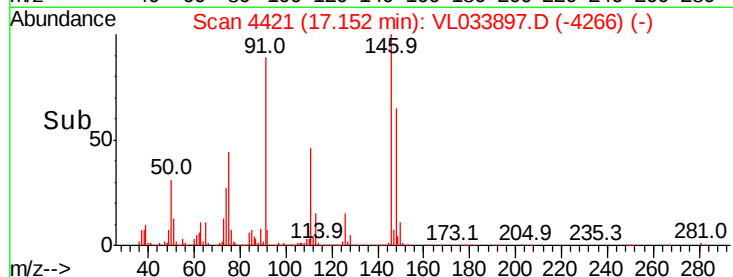
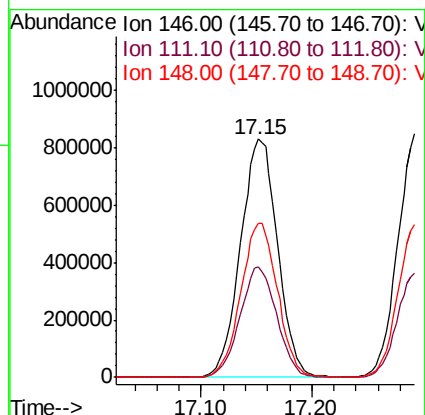
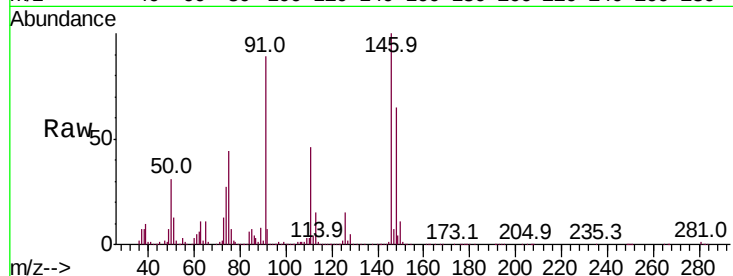
146 100

111 45.9 22.8 68.3

148 64.0 32.2 96.6

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#76

1,4-Dichlorobenzene

Concen: 10.241 ppbv

RT: 17.29 min Scan# 4465

Delta R.T. -0.00 min

Lab File: VL033897.D

Acq: 7 Jun 2019 20:19

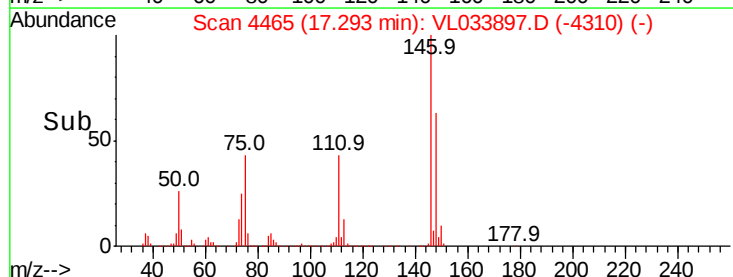
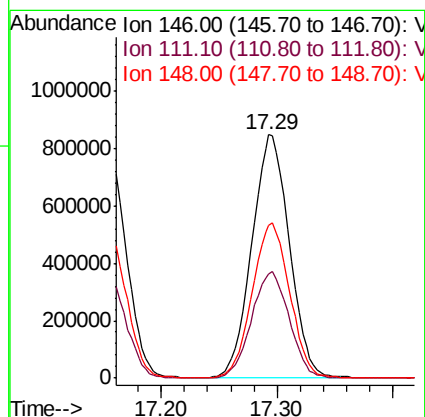
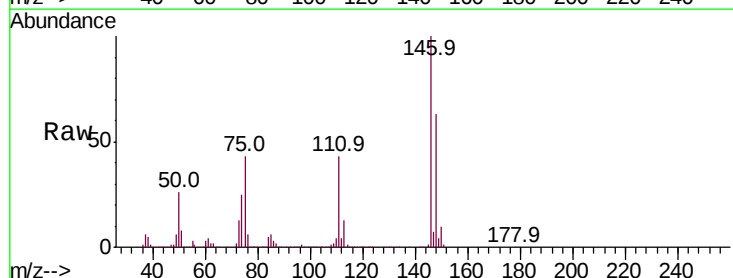
Tgt Ion:146 Resp: 1898201

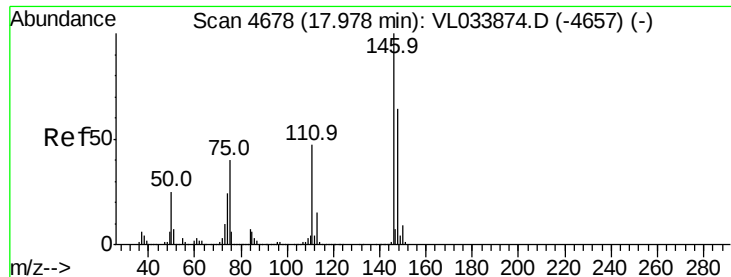
Ion Ratio Lower Upper

146 100

111 44.4 22.1 66.5

148 64.3 32.4 97.0





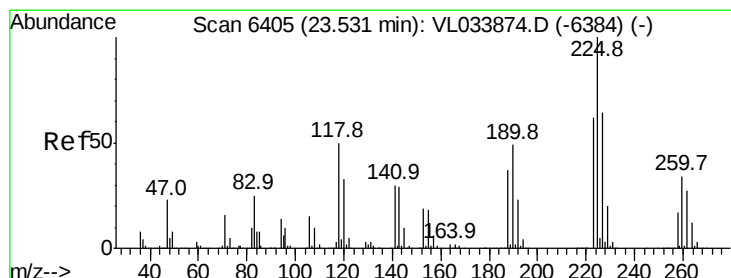
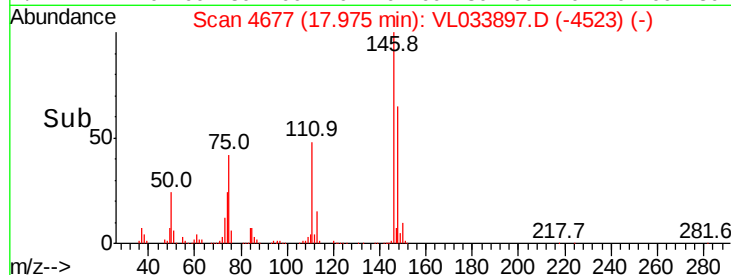
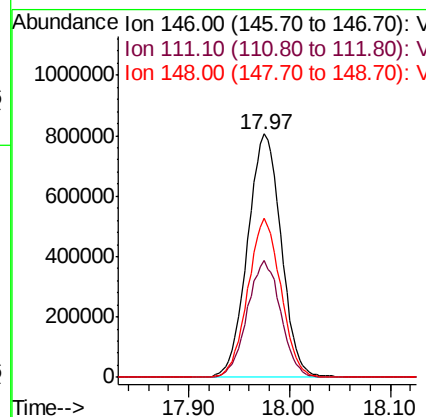
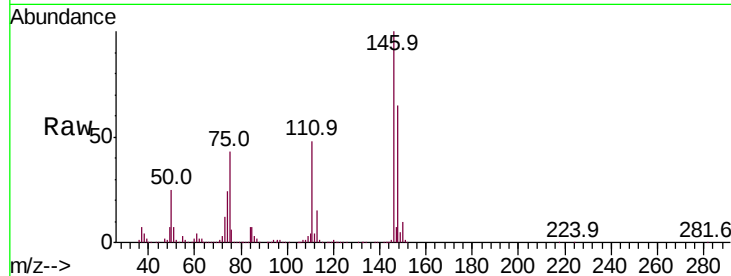
#77
 1,2-Dichlorobenzene
 Concen: 9.978 ppbv
 RT: 17.97 min Scan# 4677
 Delta R.T. -0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1858779
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.4 70.0
 148 64.0 31.8 95.4

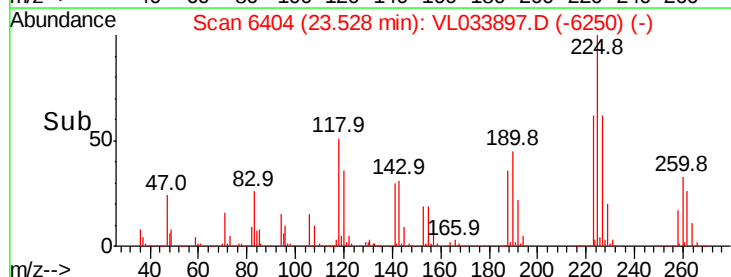
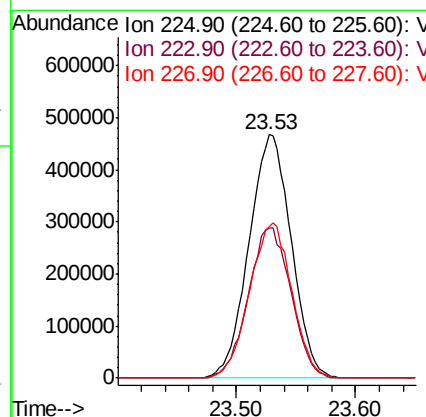
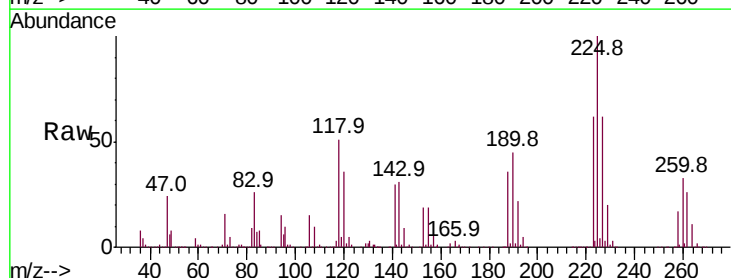
Manual Integrations
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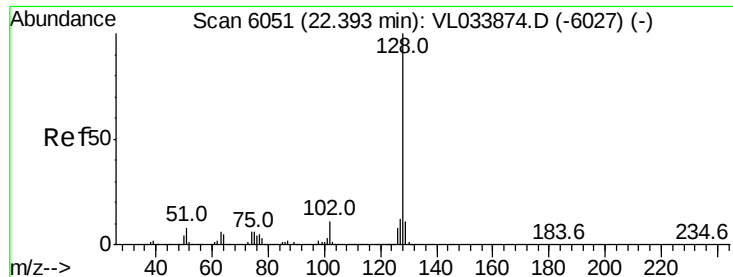
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.893 ppbv
 RT: 23.53 min Scan# 6404
 Delta R.T. -0.00 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Tgt Ion:225 Resp: 1148395
 Ion Ratio Lower Upper
 225 100
 223 62.5 50.8 76.2
 227 64.0 51.8 77.6





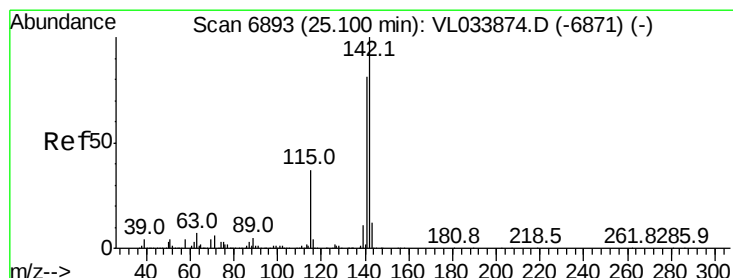
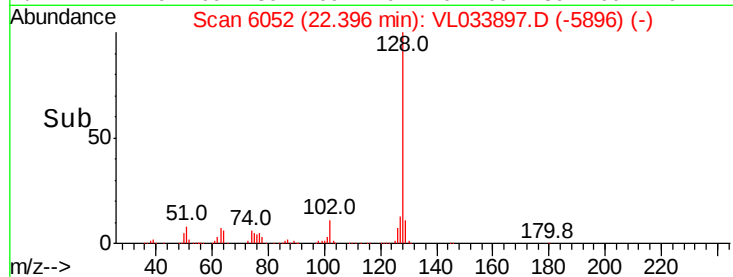
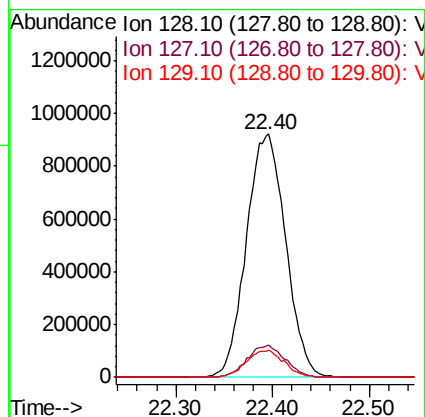
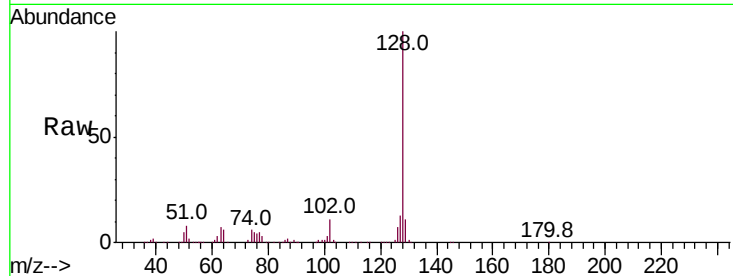
#79
Naphthalene
Concen: 10.103 ppbv
RT: 22.40 min Scan# 6052
Delta R.T. 0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.7	14.5
129	11.1	8.6	12.8

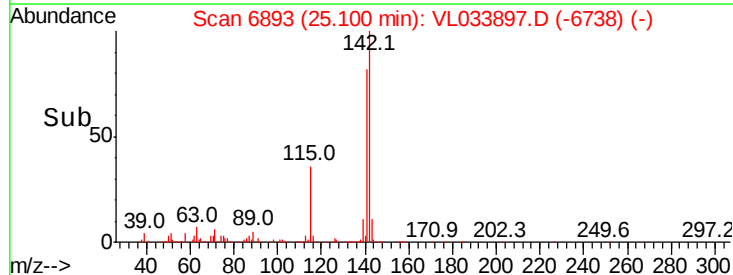
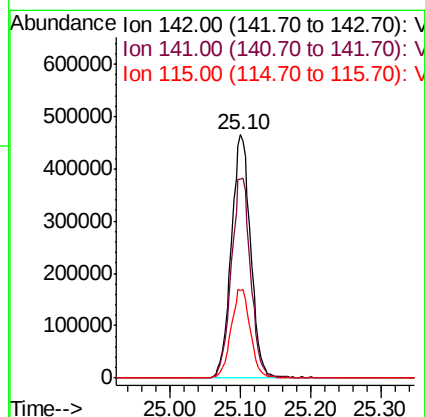
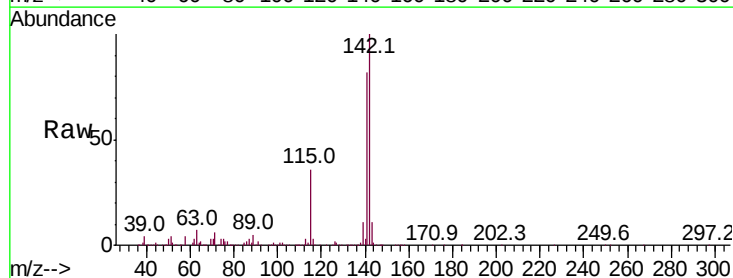
Manual Integrations
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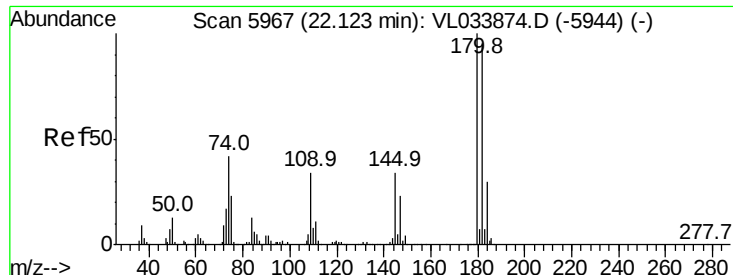
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#80
Naphthalene, 2-methyl-
Concen: 8.713 ppbv
RT: 25.10 min Scan# 6893
Delta R.T. -0.00 min
Lab File: VL033897.D
Acq: 7 Jun 2019 20:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.4	65.7	98.5
115	36.6	28.9	43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.253 ppbv
 RT: 22.12 min Scan# 5965
 Delta R.T. -0.01 min
 Lab File: VL033897.D
 Acq: 7 Jun 2019 20:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.9	115.3
184	30.9	24.5	36.7

Manual Integrations
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