

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032628.D
 Acq On : 17 Oct 2018 3:26
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

Manual Integrations
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MMDadoda
 10/19/2018 4:36:22 PM

Quant Time: Oct 17 06:52:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 2018
 QLast Update : Wed Oct 17 05:31:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1304075	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2899712	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3050428	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.60	95	2193184	9.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	207757	1.26	ppbv	99
3) Chlorodifluoromethane	3.03	51	216840	1.99	ppbv	98
4) Chloromethane	3.18	50	117836	1.97	ppbv	96
5) Vinyl Chloride	3.31	62	119149	1.99	ppbv	96
6) Bromomethane	3.53	94	73500	1.95	ppbv	92
7) Chloroethane	3.62	64	46687	1.98	ppbv	91
8) Dichlorotetrafluoroethane	3.23	85	284433	1.93	ppbv	97
9) Propene	3.05	41	80541	1.98	ppbv	100
10) Heptane	8.26	43	309676	2.09	ppbv	98
11) Trichlorofluoromethane	4.02	101	348522	2.17	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.57	101	242587	2.03	ppbv	99
13) Ethanol	3.67	45	22369	1.97	ppbv	96
14) Bromoethene	3.81	108	91564	2.05	ppbv	98
15) Acetone	3.92	43	228440	2.00	ppbv	98
16) 1,3-Butadiene	3.38	39	87105	1.91	ppbv	96
17) tert-Butyl alcohol	4.37	59	22696m	2.43	ppbv	
18) 1,1-Dichloroethene	4.36	96	119393	2.24	ppbv	98
19) Isopropyl Alcohol	4.05	45	171974	2.32	ppbv #	98
20) Methylene Chloride	4.43	84	102903	1.96	ppbv	94
21) Allyl Chloride	4.50	41	169152	1.94	ppbv	97
22) trans-1,2-Dichloroethene	4.98	96	125237	2.02	ppbv	97
23) Vinyl Acetate	5.17	43	392786	2.18	ppbv	97
24) 1,1-Dichloroethane	5.11	63	351103	2.20	ppbv	99
25) Ethyl Acetate	5.79	43	563193	2.12	ppbv	99
26) Hexane	5.80	57	260414	2.14	ppbv	97
27) Carbon Disulfide	4.64	76	271968	1.87	ppbv	96
28) Methyl tert-Butyl Ether	5.14	73	327256	2.28	ppbv	99
29) Chloroform	5.86	83	424925	2.05	ppbv	100
30) Cyclohexane	7.27	84	194794	2.04	ppbv	84
31) cis-1,2-Dichloroethene	5.66	61	243793	2.11	ppbv #	88
32) 1,1,1-Trichloroethane	6.64	97	417541	2.08	ppbv	99
34) 2-Butanone	5.35	43	322710	2.16	ppbv	100
35) Carbon Tetrachloride	7.15	117	431862	2.07	ppbv	99
36) Benzene	7.03	78	500592	2.18	ppbv	99
37) 1,2-Dichloroethane	6.43	62	324654	2.12	ppbv	99
38) Trichloroethene	7.98	130	187997	2.23	ppbv	96
39) 1,2-Dichloropropane	7.75	63	198129	2.11	ppbv	94
40) 1,4-Dioxane	7.99	88	61794	2.00	ppbv #	74
41) Tetrahydrofuran	6.18	42	179897	2.16	ppbv	99
42) Bromodichloromethane	7.94	83	448615	2.10	ppbv	97
43) Methyl Methacrylate	8.16	69	193914	2.18	ppbv	97

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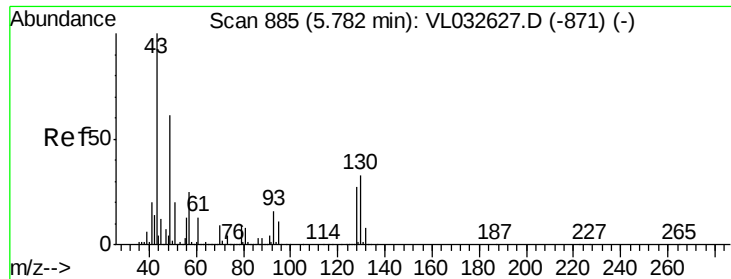
Manual Integrations
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Quant Time: Oct 17 06:52:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	914955	2.24	ppbv	99
45) t-1,3-Dichloropropene	9.44	75	236201	2.10	ppbv	100
46) cis-1,3-Dichloropropene	8.85	75	277195	2.17	ppbv	95
47) 1,1,2-Trichloroethane	9.63	97	231662	2.08	ppbv	98
48) Dibromochloromethane	10.47	129	392439	2.12	ppbv	99
49) Bromoform	13.22	173	303276	2.15	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	519522	2.26	ppbv	98
51) 2-Hexanone	10.30	43	398813	2.22	ppbv #	97
52) Tetrachloroethene	11.39	164	161950m	2.19	ppbv	
53) Toluene	9.97	91	575550	2.20	ppbv	98
54) 1,2-Dibromoethane	10.78	107	332005	2.13	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.30	131	281201	2.04	ppbv #	1
57) Chlorobenzene	12.32	112	471112	2.04	ppbv	96
58) Ethyl Benzene	12.89	91	743733	2.22	ppbv	100
59) m/p-Xylene	13.17	91	1317779m	4.33	ppbv	
60) o-Xylene	13.87	91	651736	2.17	ppbv	100
61) Styrene	13.70	104	409712	2.22	ppbv	100
62) Isopropylbenzene	14.85	105	912763	2.13	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	522058	2.00	ppbv	98
64) n-propylbenzene	15.74	120	232095	2.15	ppbv	93
65) tert-Butylbenzene	16.93	119	806844	2.23	ppbv	98
66) Benzyl Chloride	17.18	91	423348	2.12	ppbv	98
67) sec-Butylbenzene	17.48	105	1199121	2.22	ppbv	100
69) p-Isopropyltoluene	17.83	119	935518	2.26	ppbv	99
70) n-Butylbenzene	18.73	91	1028648	2.28	ppbv	99
71) 2-Chlorotoluene	15.64	91	699104	2.22	ppbv	98
72) 4-Ethyltoluene	16.02	105	717015	2.21	ppbv	98
73) 1,3,5-Trimethylbenzene	16.18	105	716570	2.22	ppbv	99
74) 1,2,4-Trimethylbenzene	16.95	105	776741	2.18	ppbv	93
75) 1,3-Dichlorobenzene	17.18	146	435692	2.11	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	402048	2.15	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	425766	2.19	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	192051	2.04	ppbv	100
79) Naphthalene	22.44	128	538556	2.25	ppbv	95
80) Naphthalene,2-methyl-	25.14	142	65926	1.41	ppbv	93
81) 1,2,4-Trichlorobenzene	22.16	180	262920	2.21	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 49 Resp: 1304075

Ion Ratio Lower Upper

49 100

128 44.8 22.3 66.8

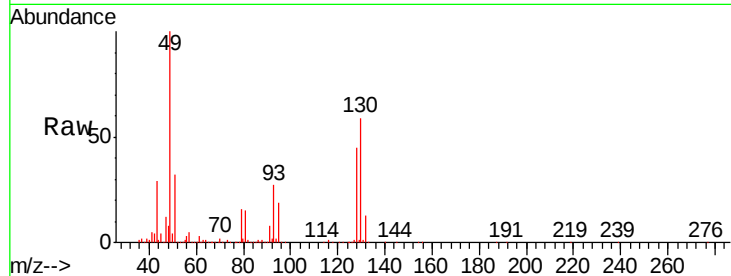
130 57.5 28.4 85.3

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

800000

600000

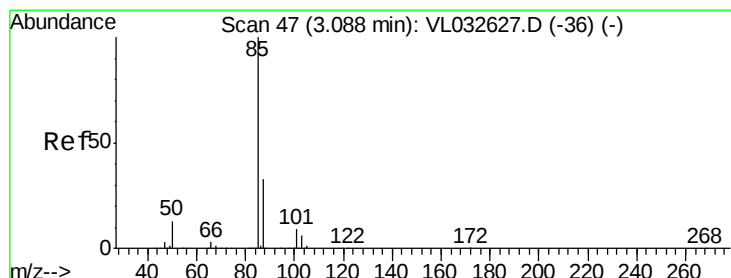
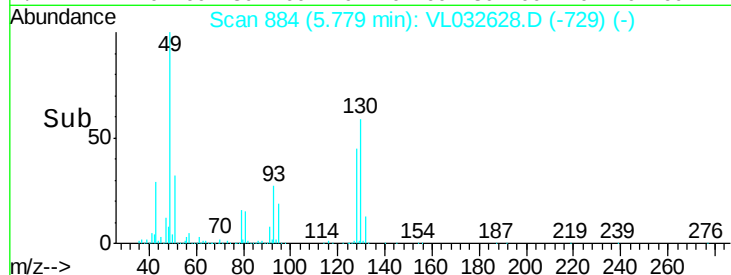
400000

200000

0

5.70 5.75 5.80 5.85

Time-->



#2

Dichlorodifluoromethane

Concen: 1.26 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032628.D

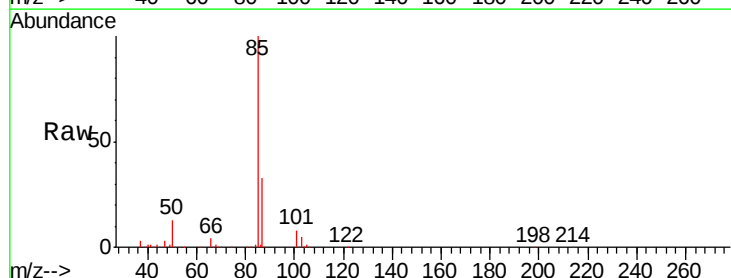
Acq: 17 Oct 2018 3:26

Tgt Ion: 85 Resp: 207757

Ion Ratio Lower Upper

85 100

87 33.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

150000

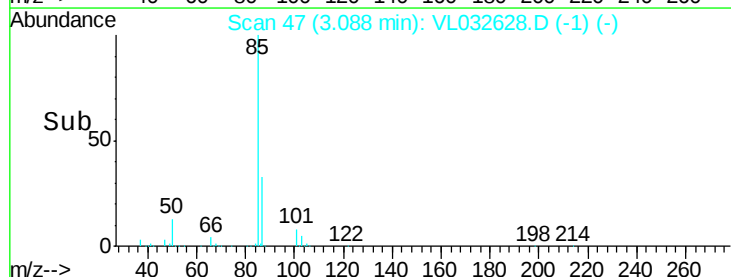
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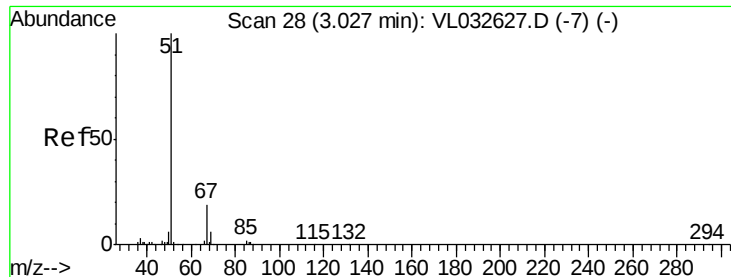
50000

0

3.05 3.10 3.15

Time-->





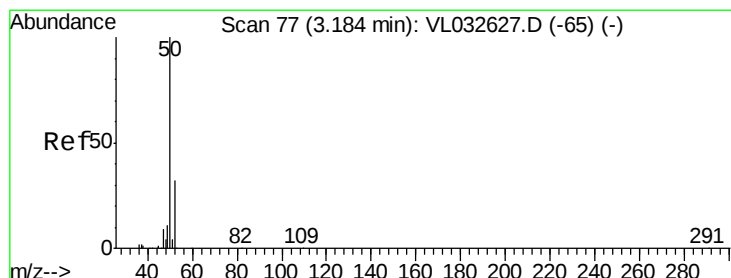
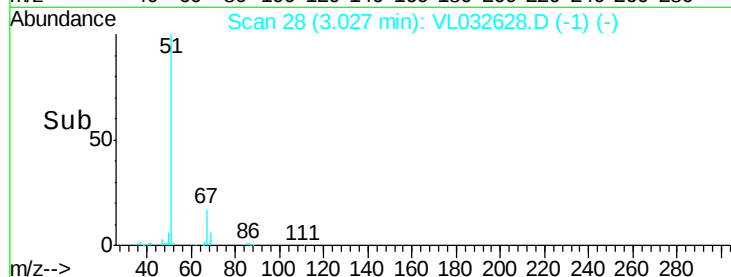
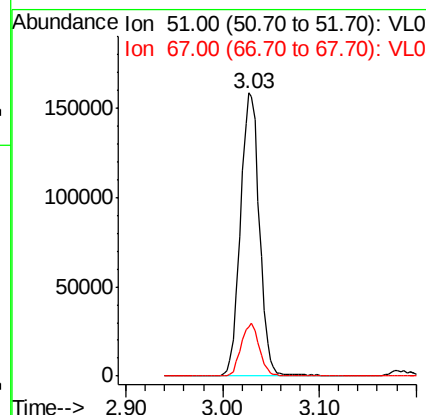
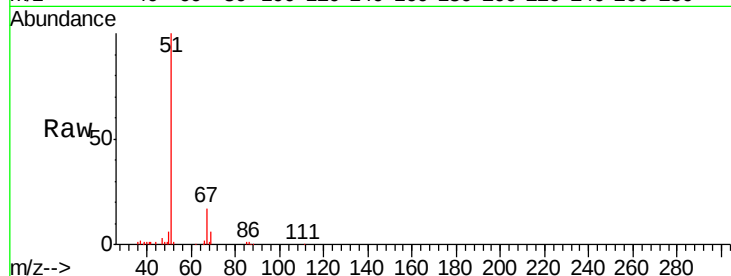
#3
Chlorodifluoromethane
Concen: 1.99 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
51	100		
67	18.0	15.2	22.8

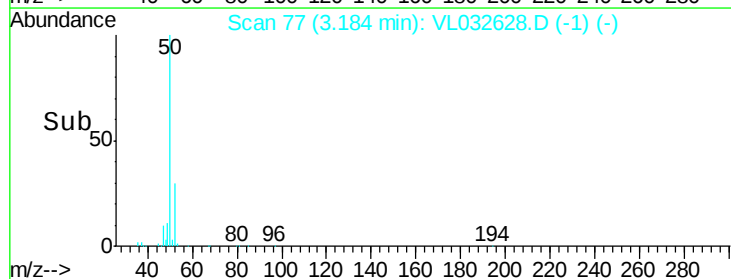
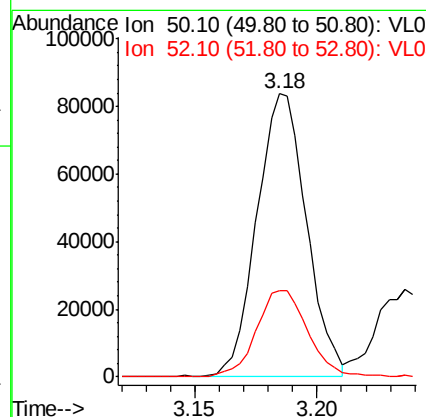
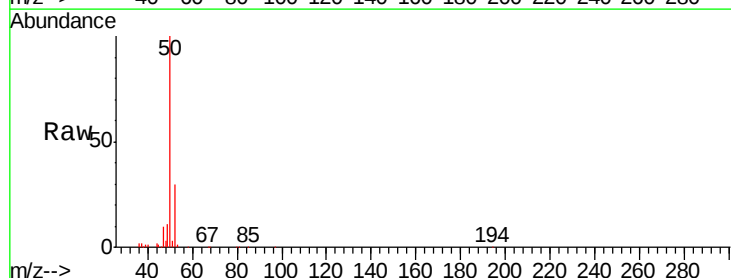
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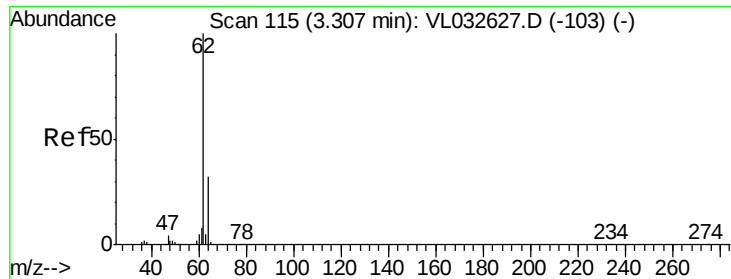
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#4
Chloromethane
Concen: 1.97 ppbv
RT: 3.18 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.3	25.9	38.9





#5

Vinyl Chloride

Concen: 1.99 ppbv

RT: 3.31 min Scan# 115

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 62 Resp: 119149

Ion Ratio Lower Upper

62 100

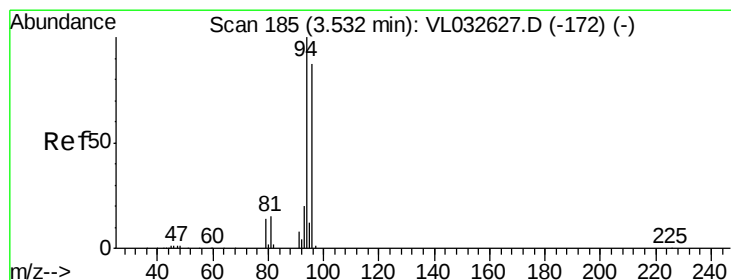
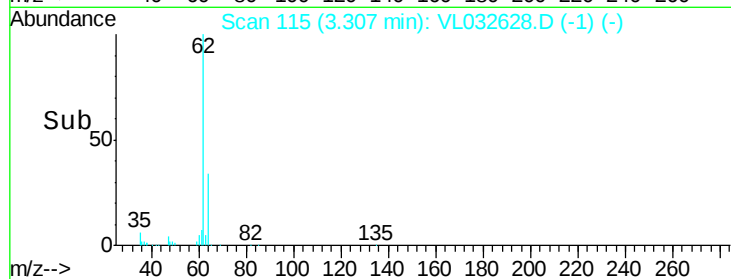
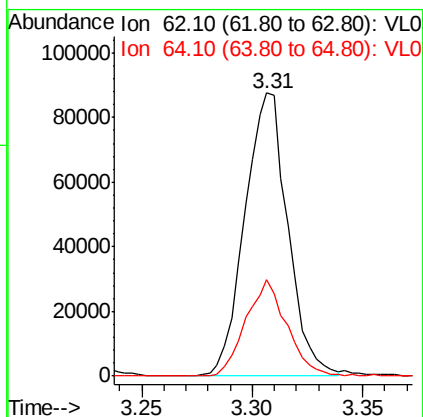
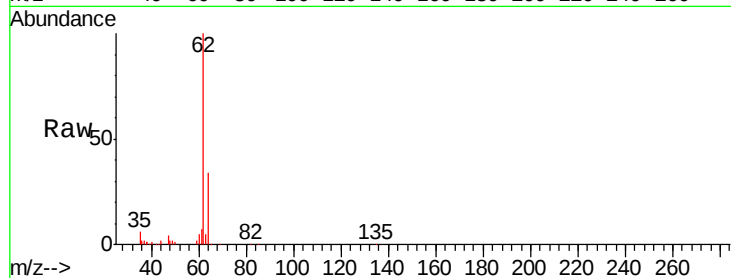
64 33.9 25.5 38.3

Manual Integrations

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#6

Bromomethane

Concen: 1.95 ppbv

RT: 3.53 min Scan# 185

Delta R.T. 0.00 min

Lab File: VL032628.D

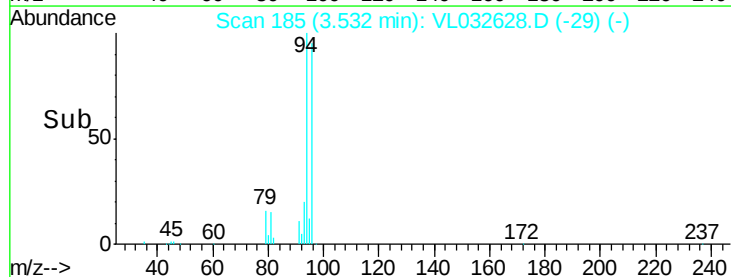
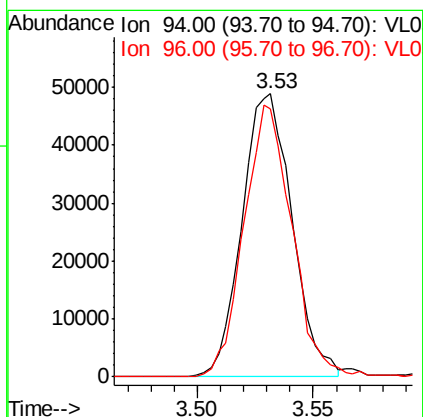
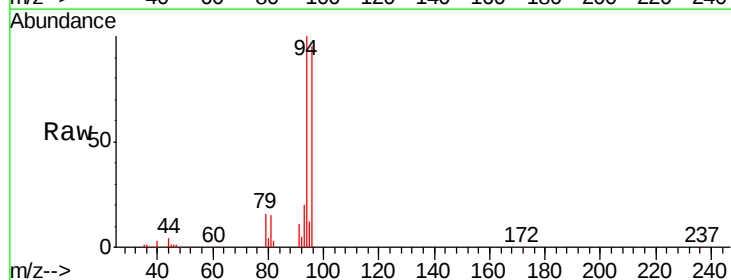
Acq: 17 Oct 2018 3:26

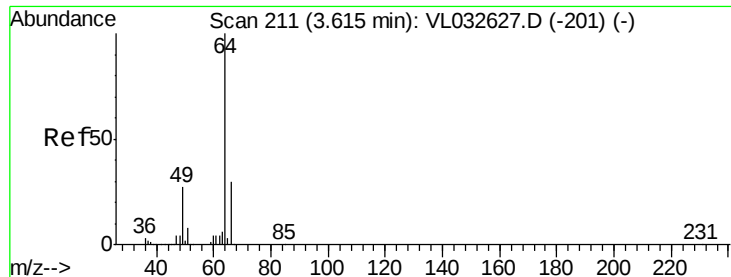
Tgt Ion: 94 Resp: 73500

Ion Ratio Lower Upper

94 100

96 94.6 69.8 104.8





#7

Chloroethane

Concen: 1.98 ppbv

RT: 3.62 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 64 Resp: 46687

Ion Ratio Lower Upper

64 100

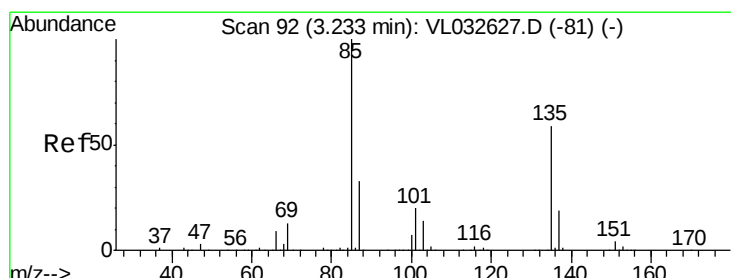
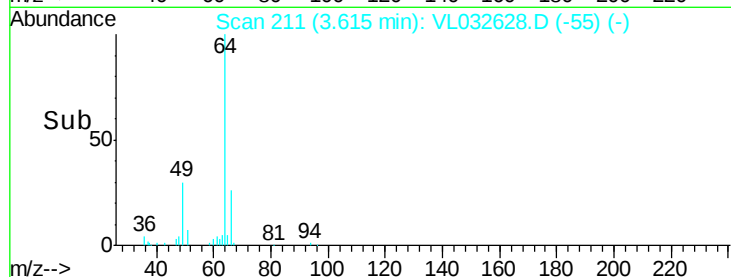
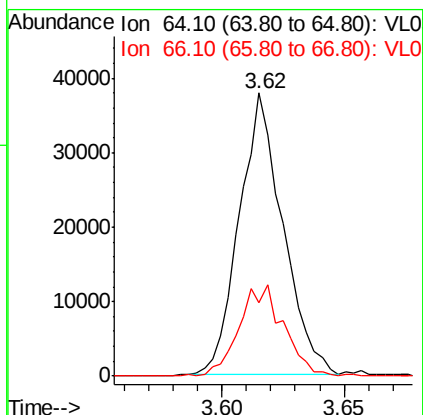
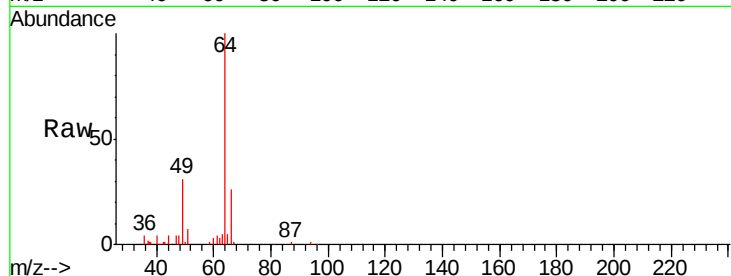
66 25.8 24.4 36.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 1.93 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

Lab File: VL032628.D

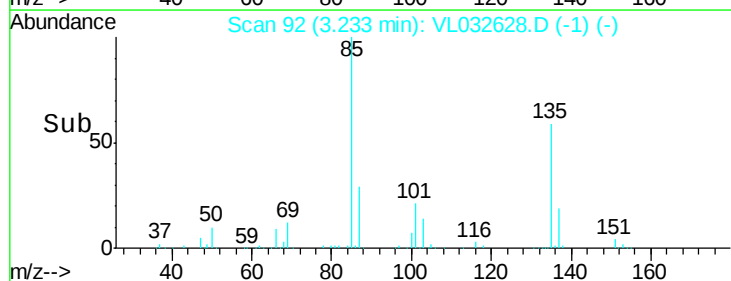
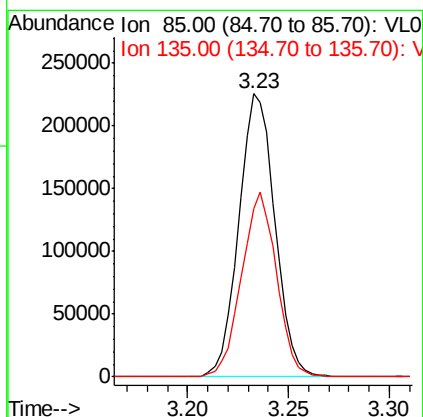
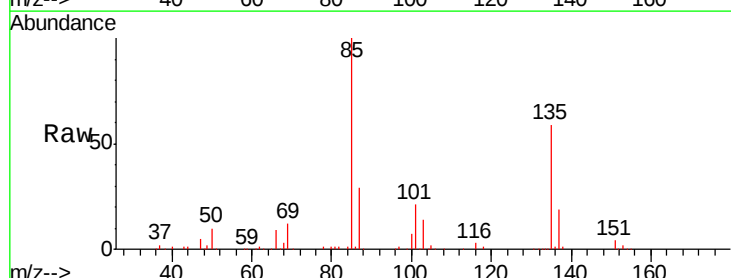
Acq: 17 Oct 2018 3:26

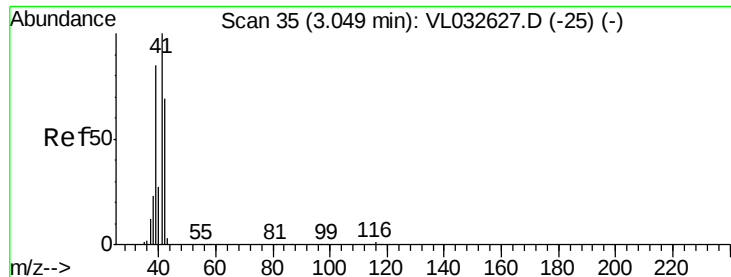
Tgt Ion: 85 Resp: 284433

Ion Ratio Lower Upper

85 100

135 63.2 49.0 73.4





#9

Propene

Concen: 1.98 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 41 Resp: 80541

Ion Ratio Lower Upper

41 100

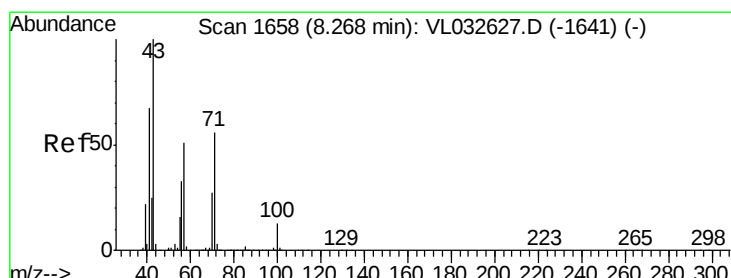
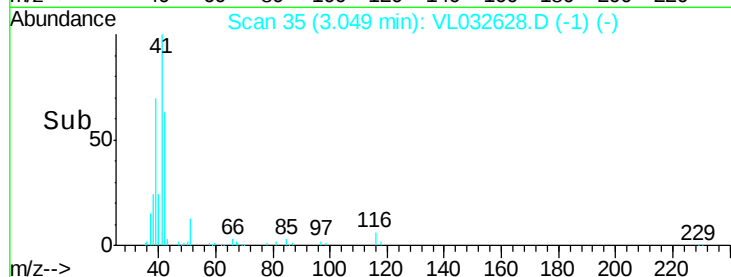
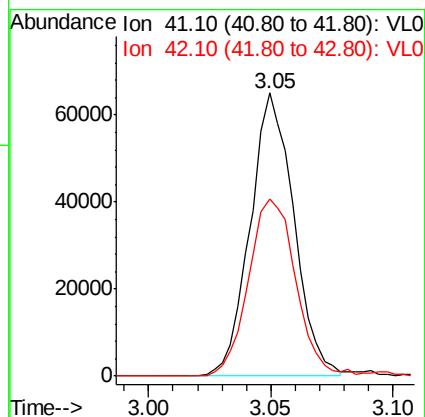
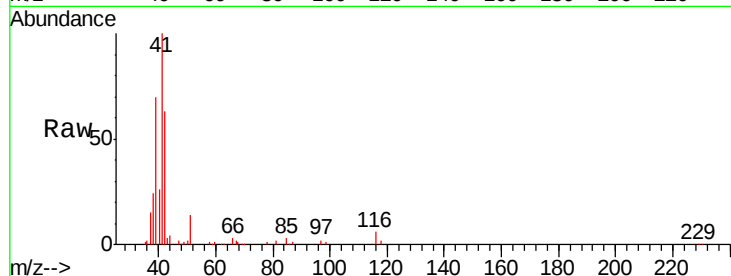
42 69.0 55.4 83.0

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#10

Heptane

Concen: 2.09 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL032628.D

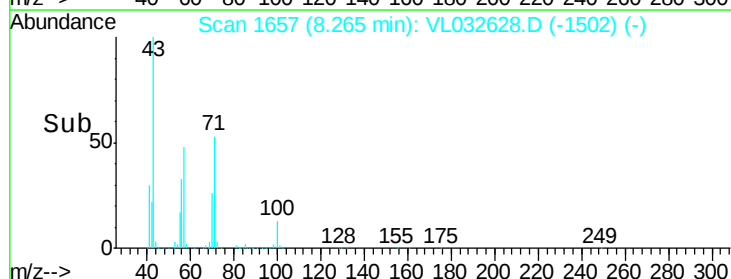
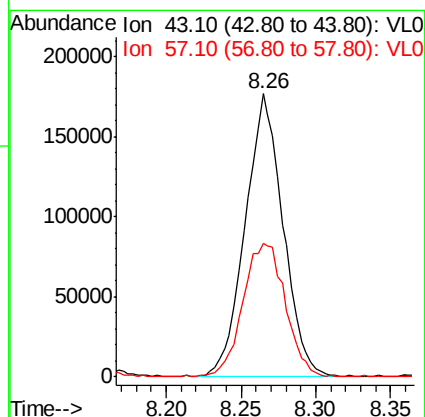
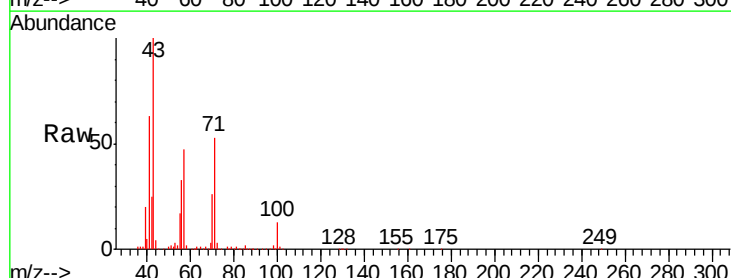
Acq: 17 Oct 2018 3:26

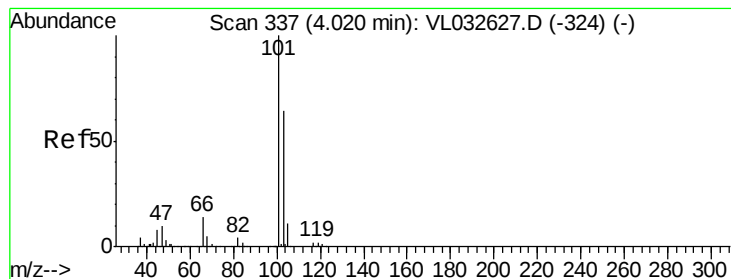
Tgt Ion: 43 Resp: 309676

Ion Ratio Lower Upper

43 100

57 53.3 41.5 62.3





#11

Trichlorofluoromethane

Concen: 2.17 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:101 Resp: 348522

Ion Ratio Lower Upper

101 100

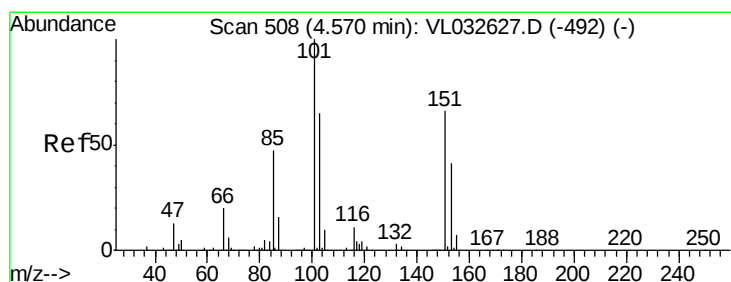
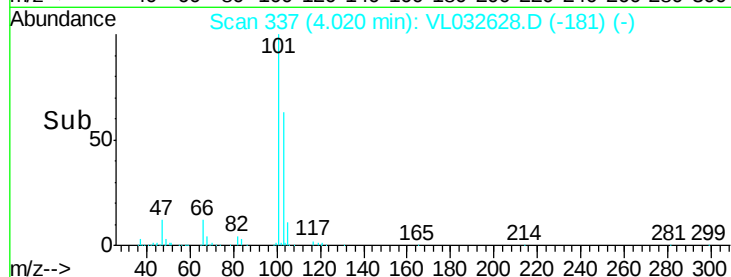
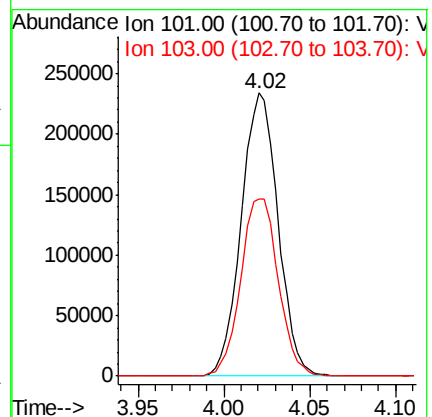
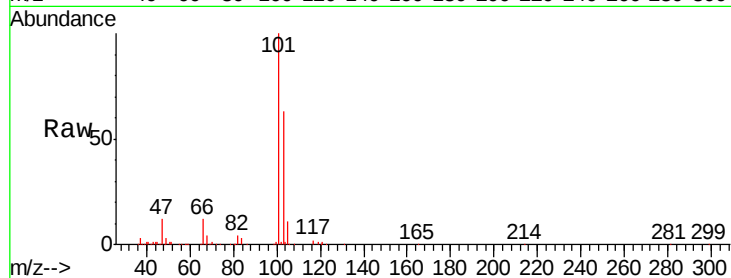
103 62.6 51.4 77.2

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.03 ppbv

RT: 4.57 min Scan# 507

Delta R.T. -0.00 min

Lab File: VL032628.D

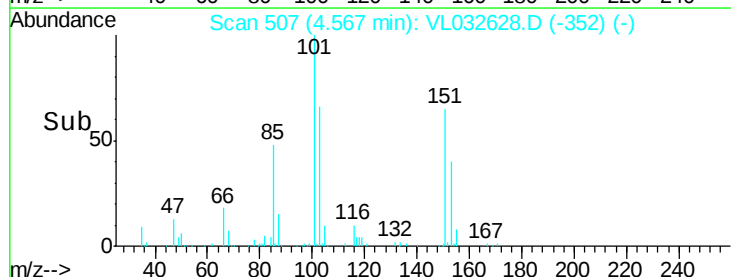
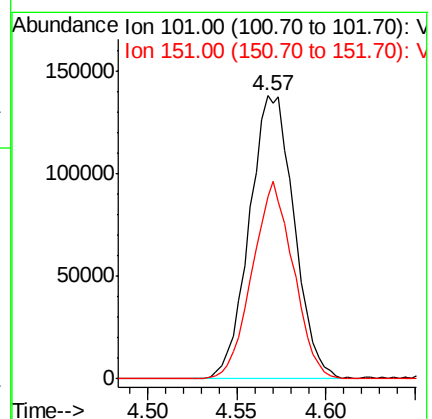
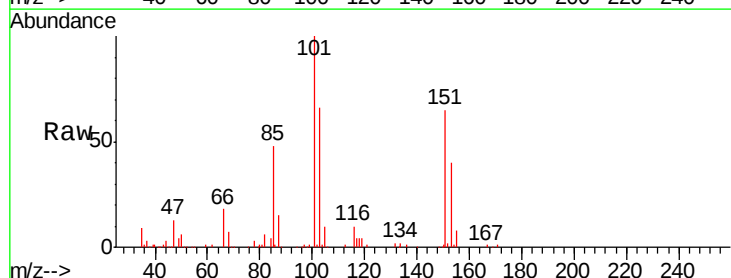
Acq: 17 Oct 2018 3:26

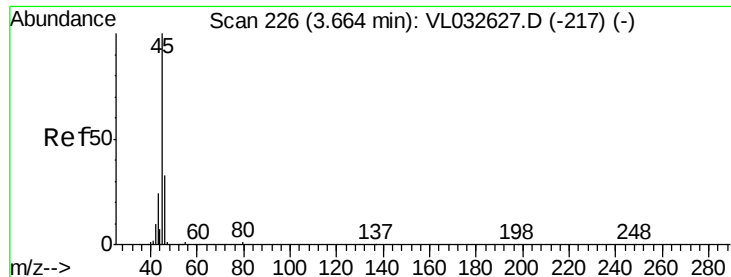
Tgt Ion:101 Resp: 242587

Ion Ratio Lower Upper

101 100

151 64.3 52.3 78.5





#13

Ethanol

Concen: 1.97 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.01 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 45 Resp: 22369

Ion Ratio Lower Upper

45 100

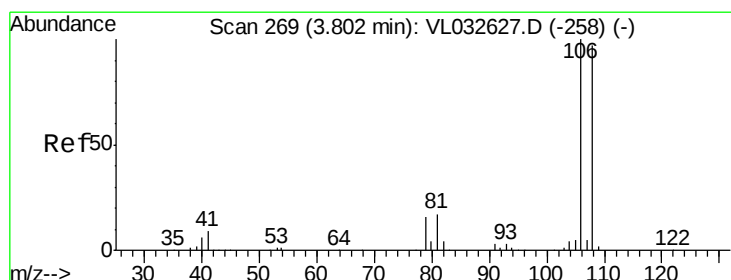
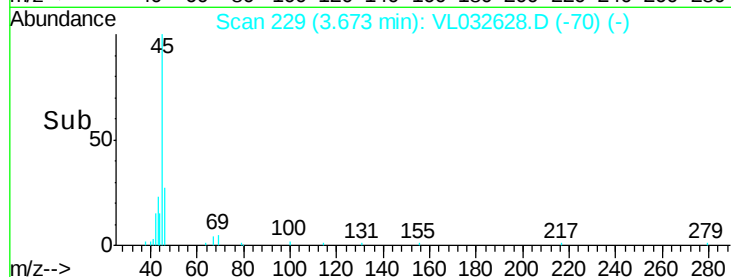
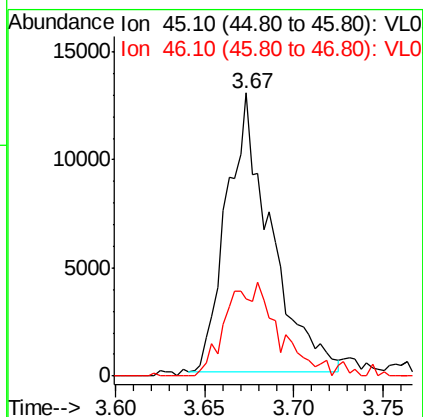
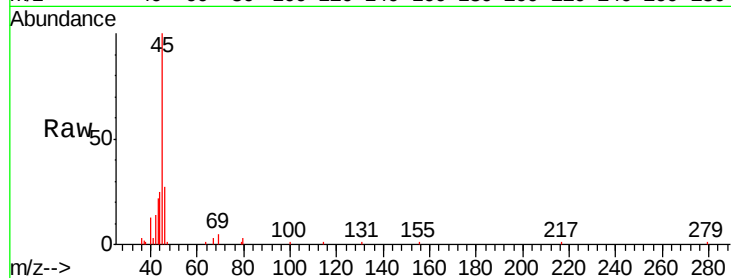
46 41.1 15.4 61.8

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#14

Bromoethene

Concen: 2.05 ppbv

RT: 3.81 min Scan# 270

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

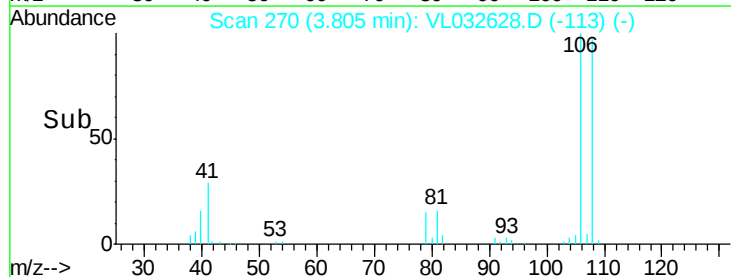
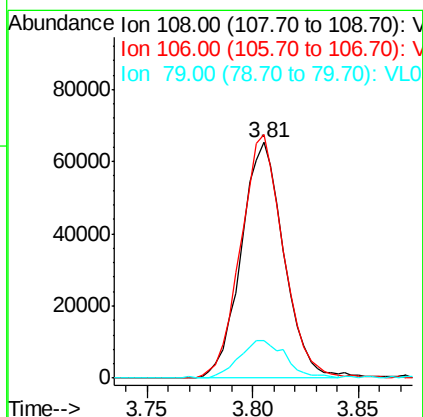
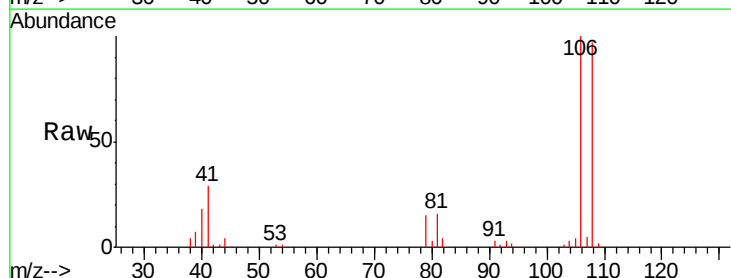
Tgt Ion: 108 Resp: 91564

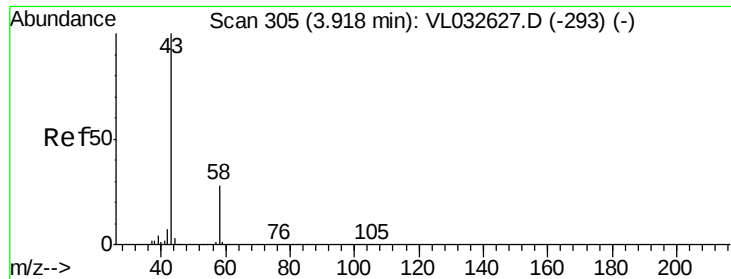
Ion Ratio Lower Upper

108 100

106 104.5 85.0 127.4

79 17.7 13.7 20.5





#15

Acetone

Concen: 2.00 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.01 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 228440

Ion Ratio Lower Upper

43 100

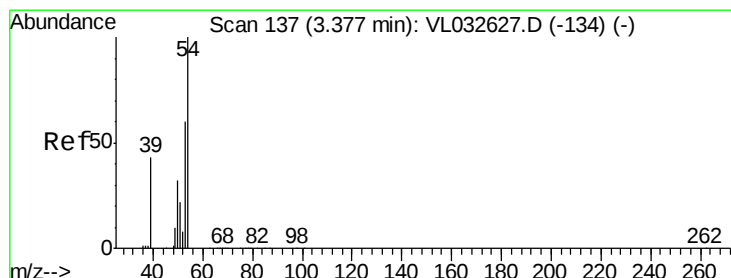
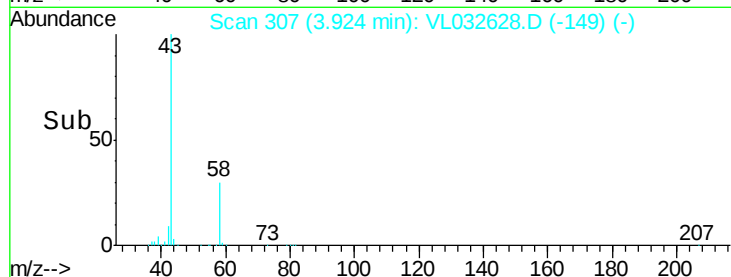
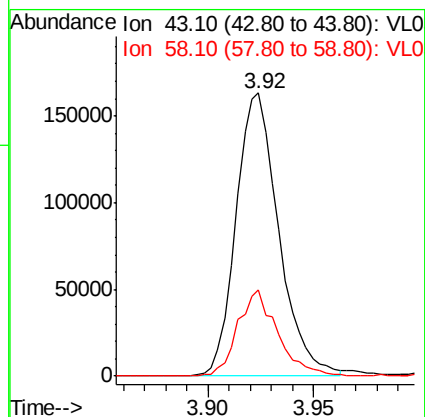
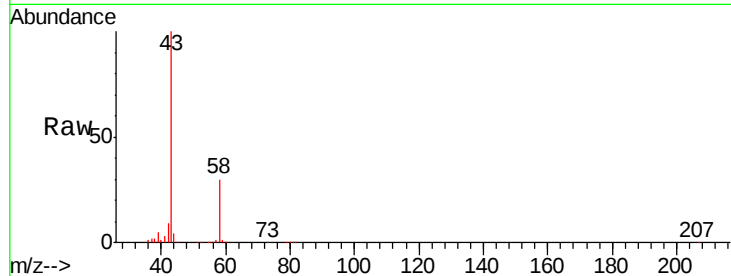
58 28.7 22.1 33.1

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#16

1,3-Butadiene

Concen: 1.91 ppbv

RT: 3.38 min Scan# 138

Delta R.T. 0.00 min

Lab File: VL032628.D

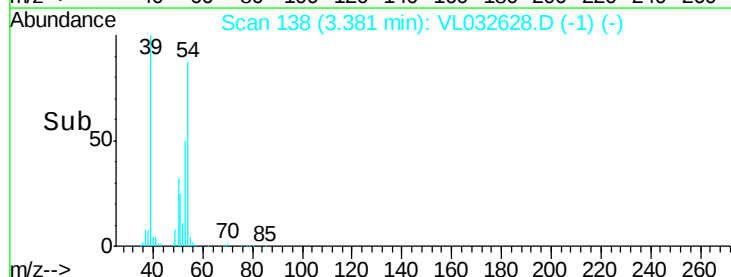
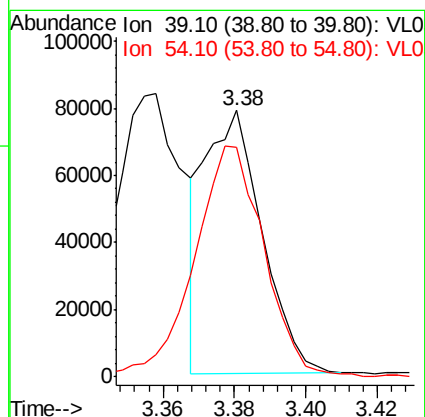
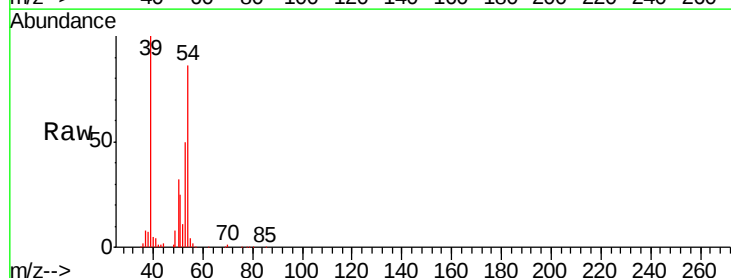
Acq: 17 Oct 2018 3:26

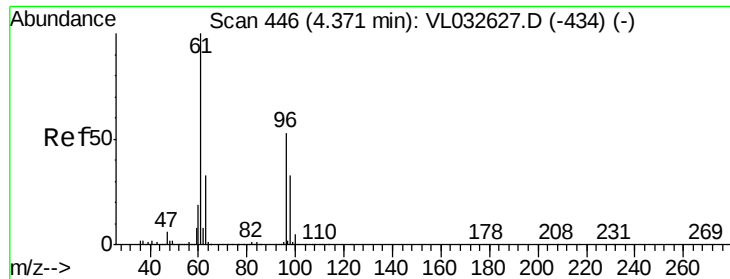
Tgt Ion: 39 Resp: 87105

Ion Ratio Lower Upper

39 100

54 108.3 90.4 135.6





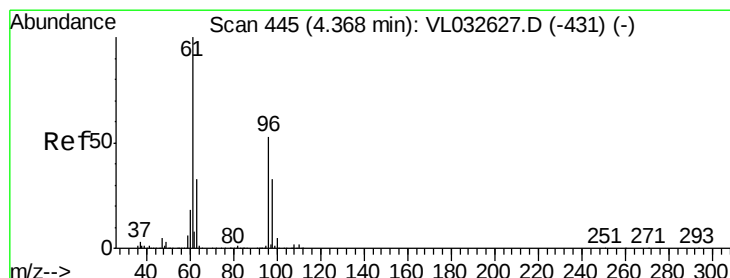
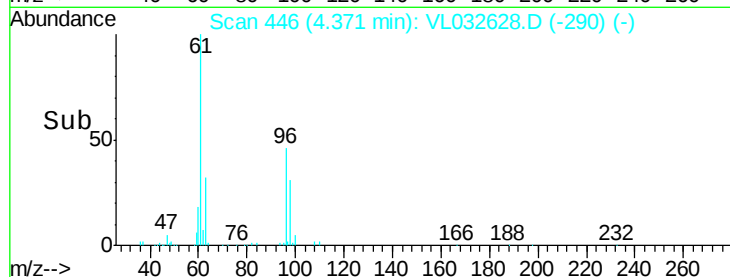
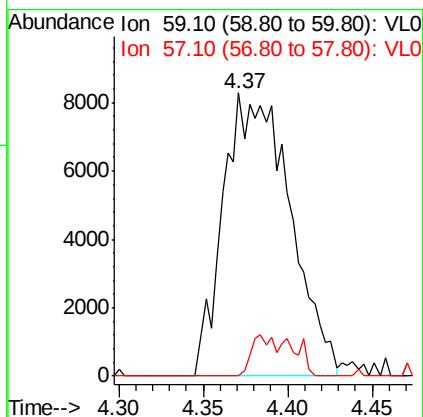
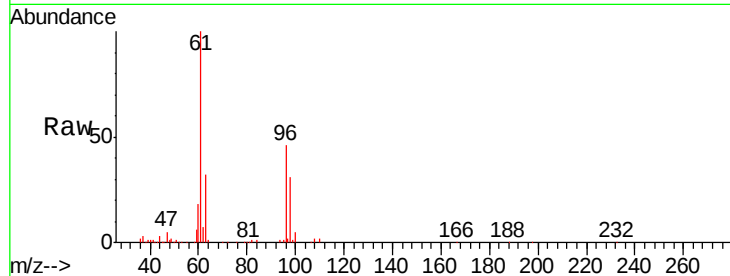
#17
 tert-Butyl alcohol
 Concen: 2.43 ppbv m
 RT: 4.37 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 59 Resp: 22696
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

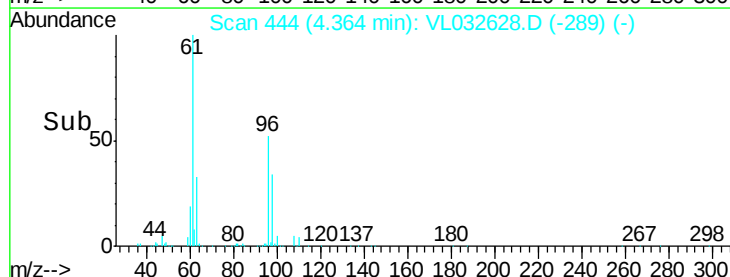
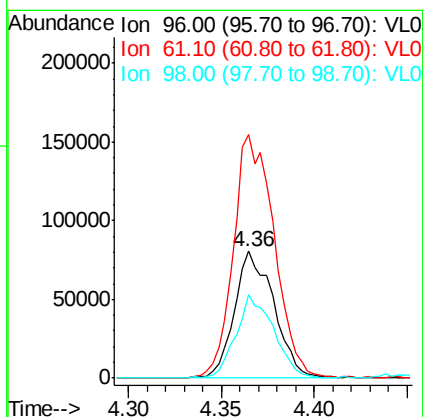
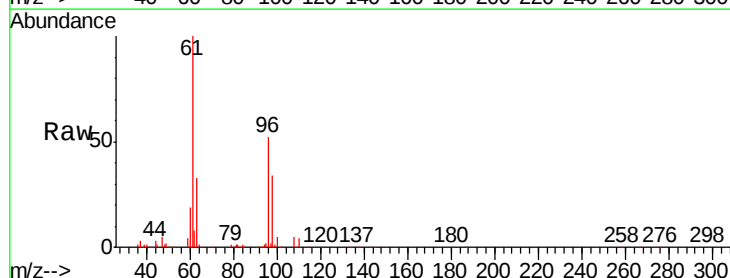
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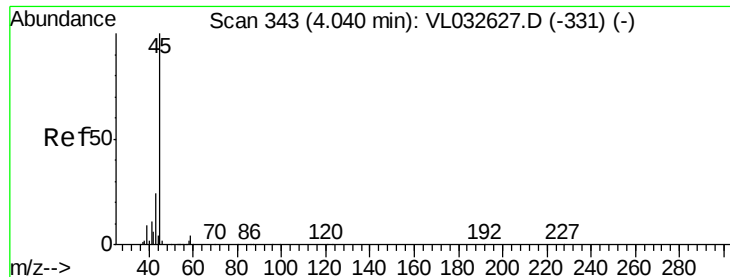
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 2.24 ppbv
 RT: 4.36 min Scan# 444
 Delta R.T. -0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion: 96 Resp: 119393
 Ion Ratio Lower Upper
 96 100
 61 191.2 151.6 227.4
 98 65.5 50.6 75.8





#19

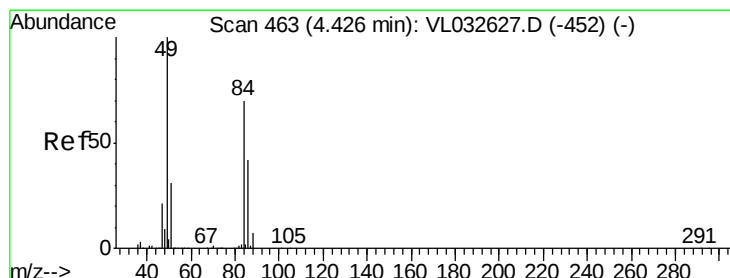
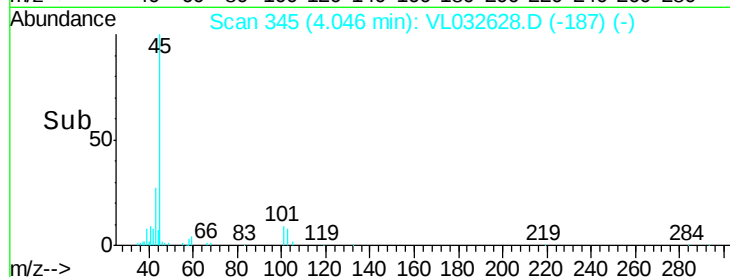
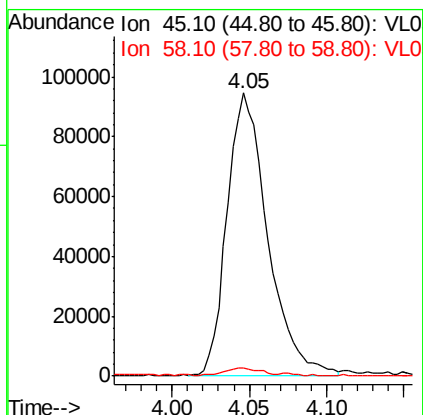
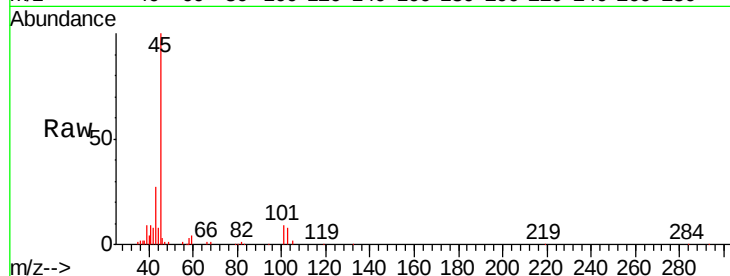
Isopropyl Alcohol
 Concen: 2.32 ppbv
 RT: 4.05 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 45 Resp: 171974
 Ion Ratio Lower Upper
 45 100
 58 3.1 2.0 3.0#

Manual Integrations
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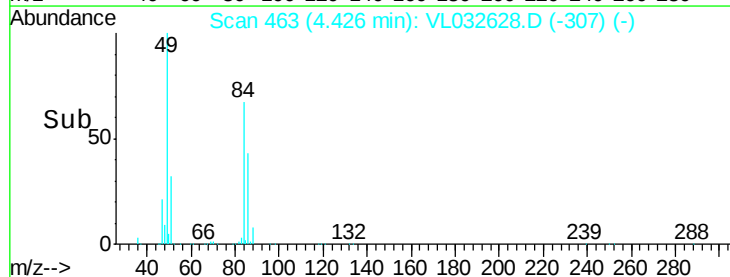
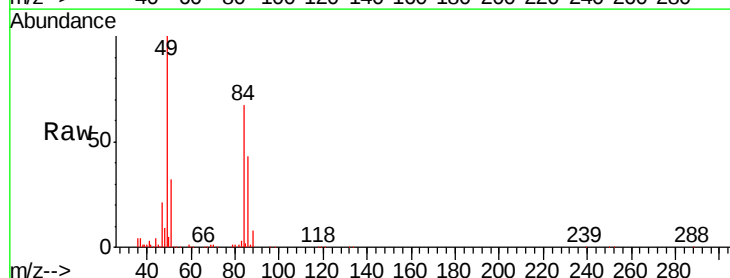
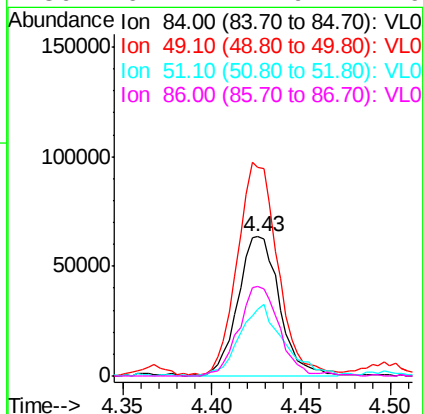
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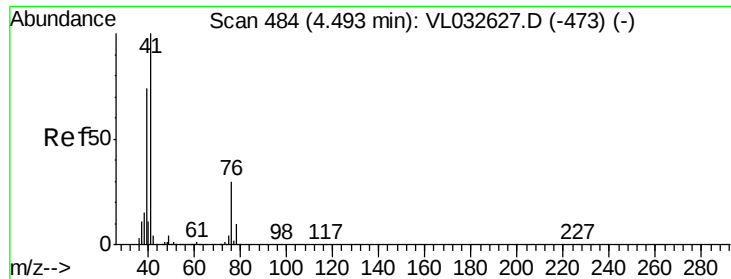


#20

Methylene Chloride
 Concen: 1.96 ppbv
 RT: 4.43 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion: 84 Resp: 102903
 Ion Ratio Lower Upper
 84 100
 49 148.9 113.5 170.3
 51 48.3 34.8 52.2
 86 64.2 47.9 71.9





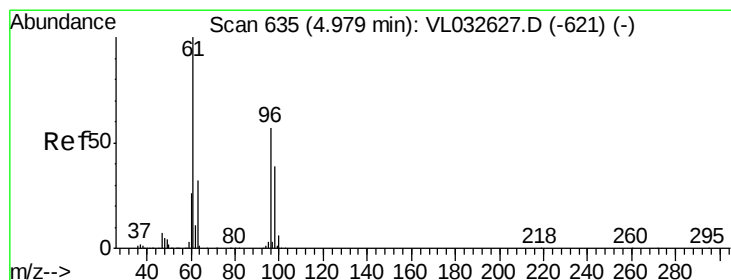
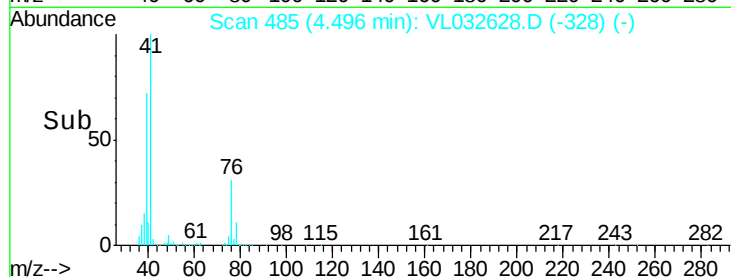
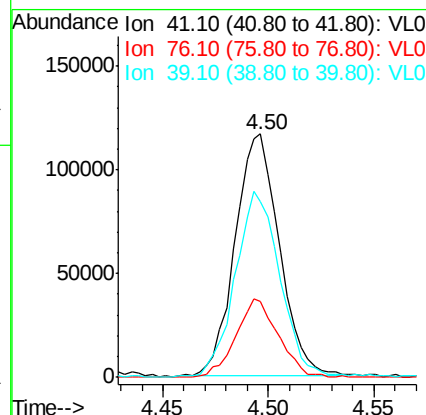
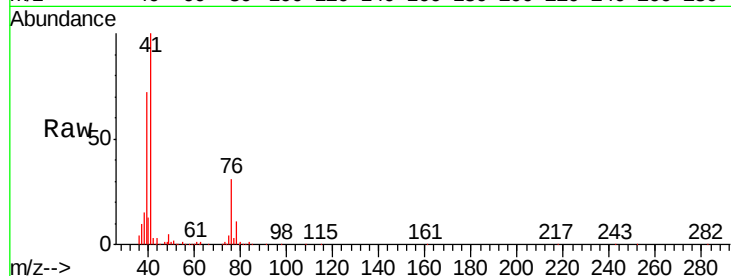
#21
 Allyl Chloride
 Concen: 1.94 ppbv
 RT: 4.50 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
41	100		
76	31.4	24.3	36.5
39	78.8	60.3	90.5

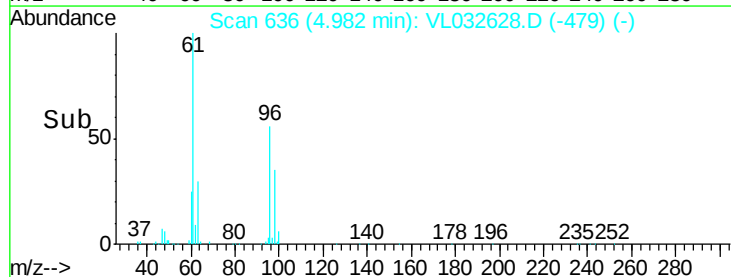
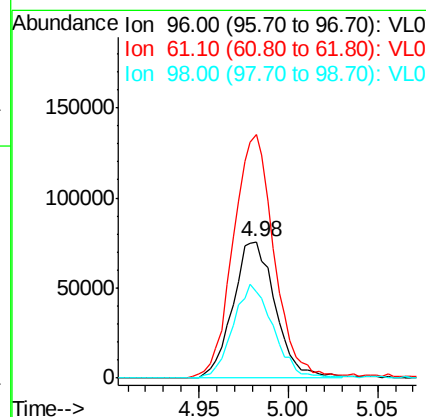
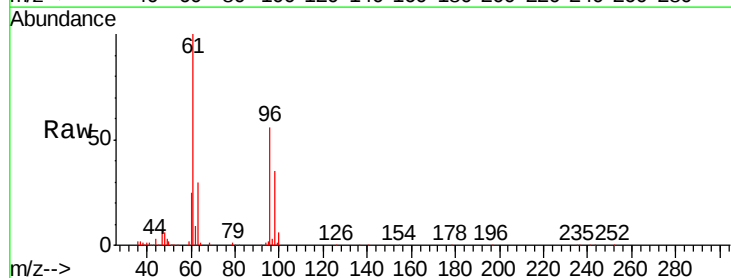
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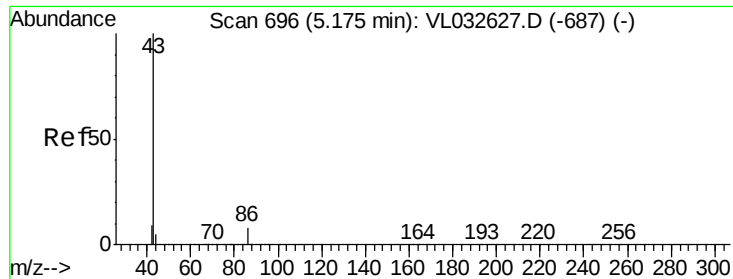
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 2.02 ppbv
 RT: 4.98 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.9	140.4	210.6
98	62.9	55.0	82.6





#23

Vinyl Acetate

Concen: 2.18 ppbv

RT: 5.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

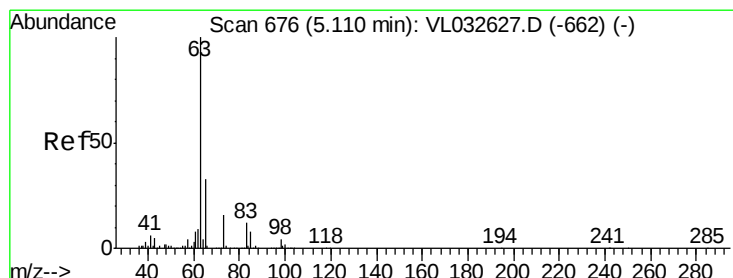
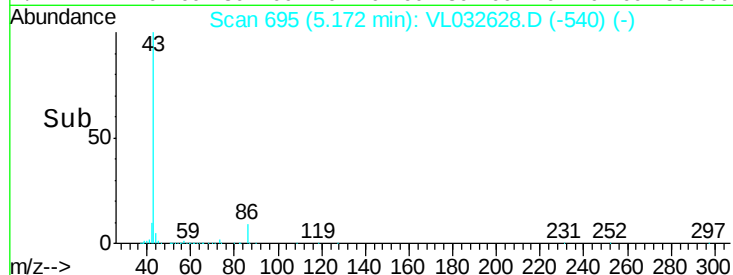
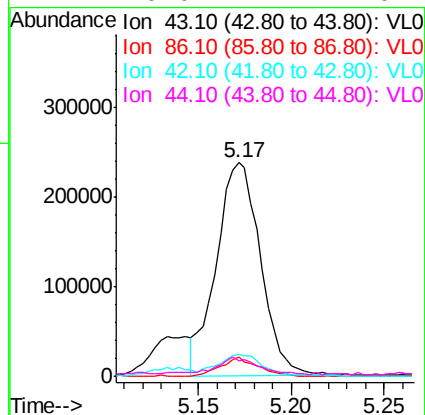
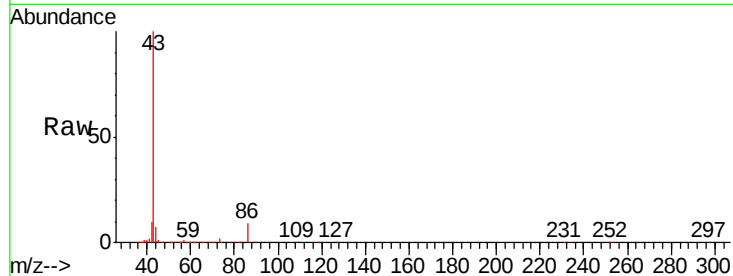
ClientSampleId :

VSTDIC002

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.1	9.1
42	10.0	7.4	11.2
44	6.0	4.2	6.2

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#24

1,1-Dichloroethane

Concen: 2.20 ppbv

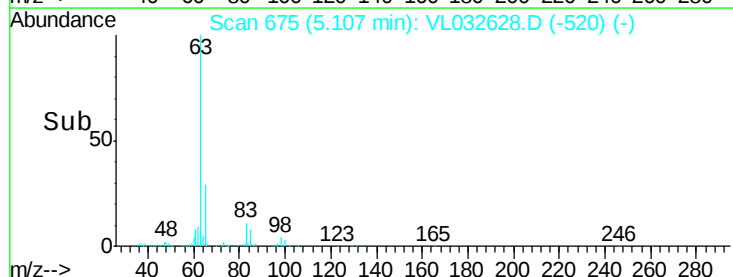
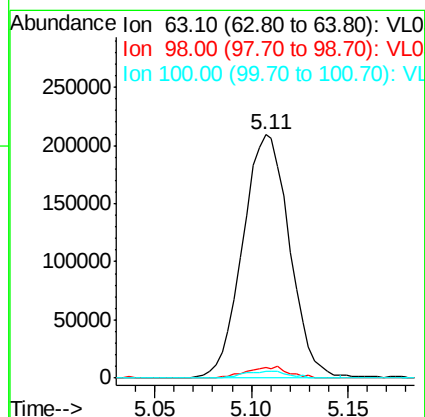
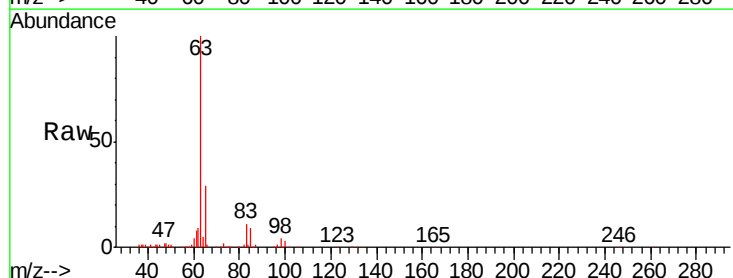
RT: 5.11 min Scan# 675

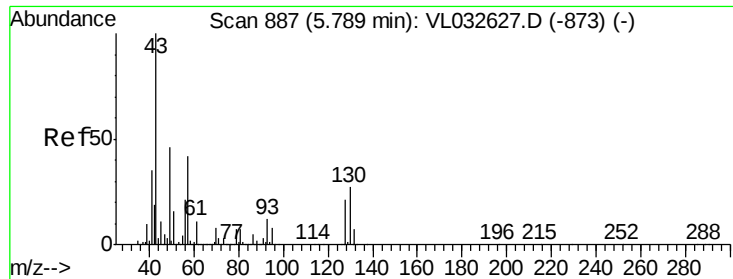
Delta R.T. -0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.3
100	3.0	1.2	3.6





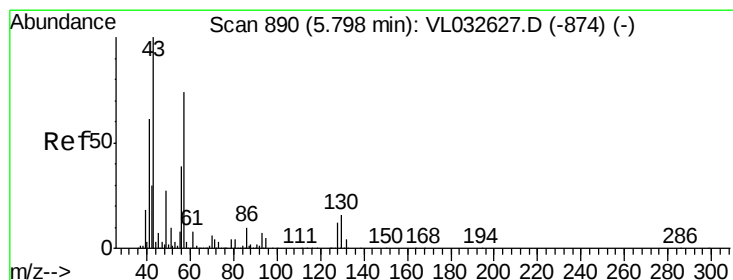
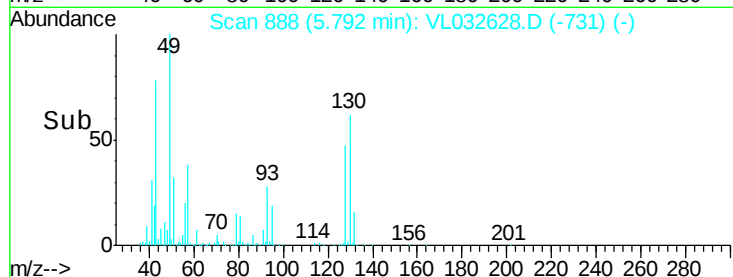
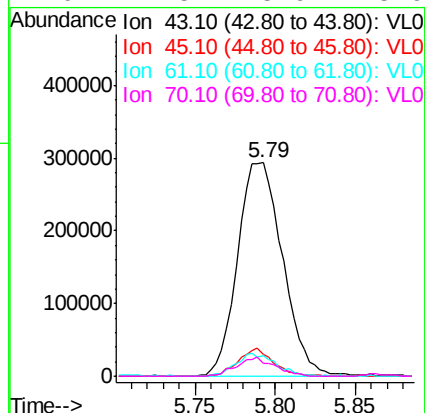
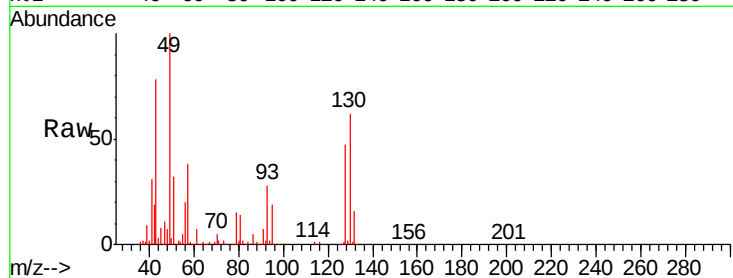
#25
Ethyl Acetate
Concen: 2.12 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.0	12.0
61	9.2	8.0	12.0
70	7.5	5.9	8.9

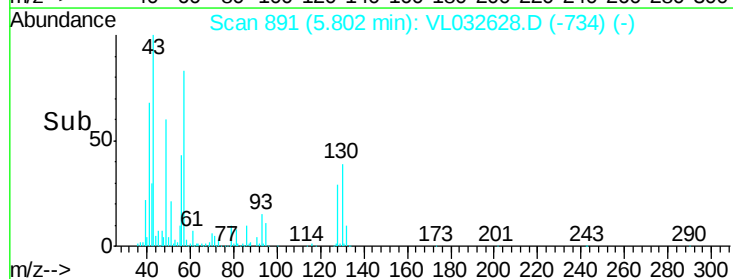
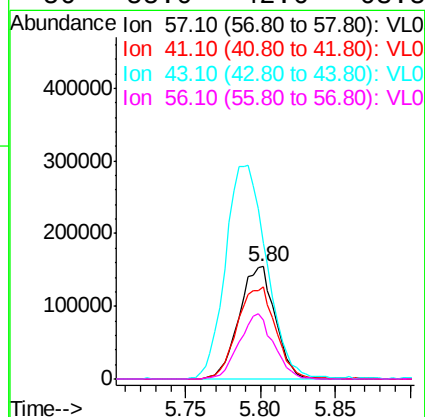
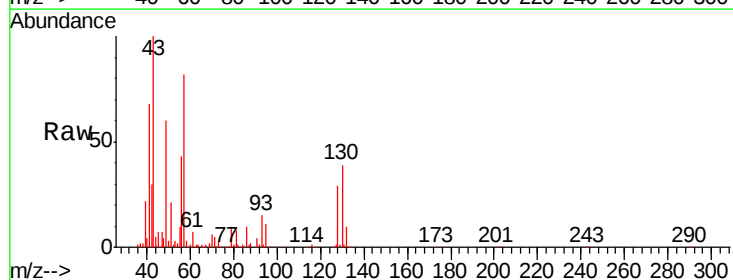
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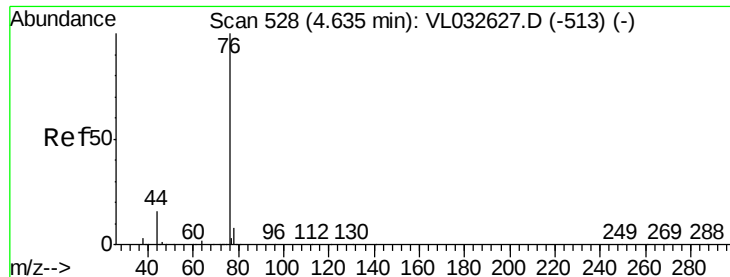
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#26
Hexane
Concen: 2.14 ppbv
RT: 5.80 min Scan# 891
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion	Ratio	Lower	Upper
57	100		
41	86.8	67.4	101.0
43	219.7	171.9	257.9
56	55.0	42.6	63.8





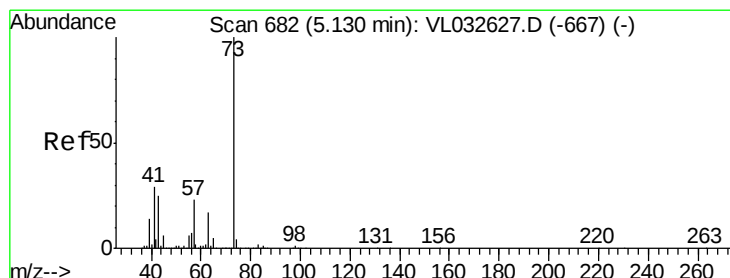
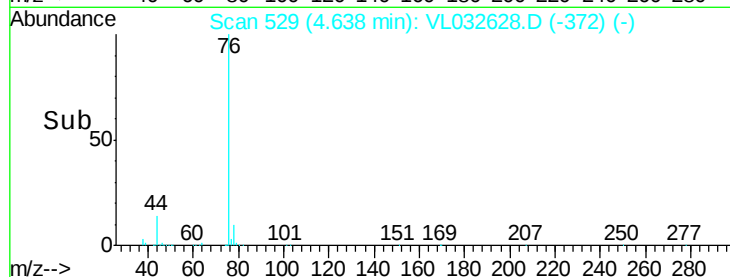
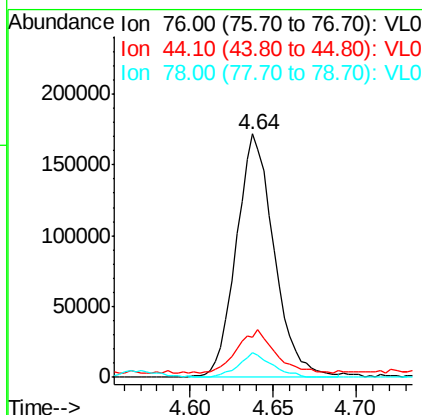
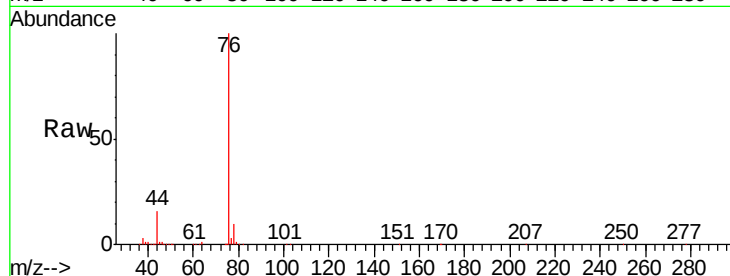
#27
Carbon Disulfide
Concen: 1.87 ppbv
RT: 4.64 min Scan# 529
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
76	100		
44	19.5	13.7	20.5
78	9.2	7.4	11.2

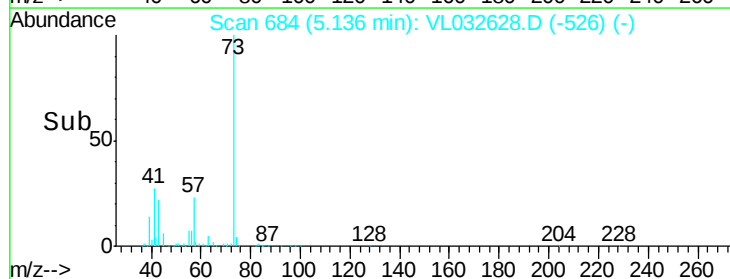
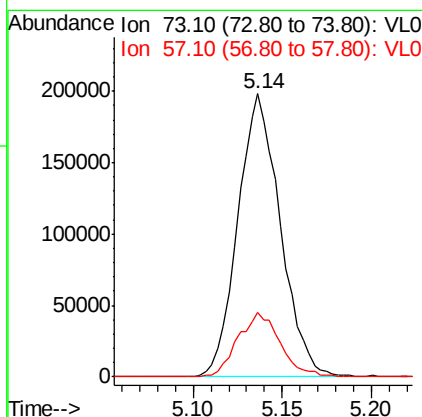
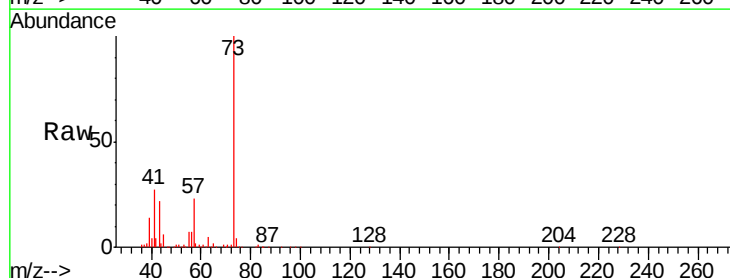
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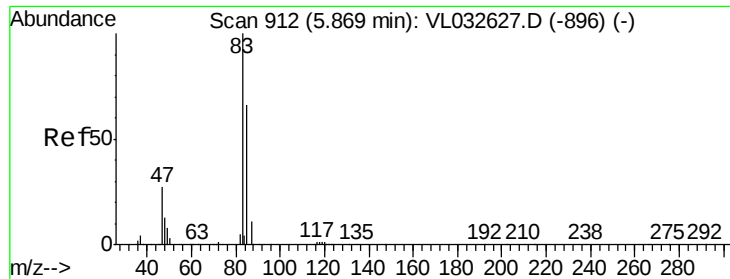
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#28
Methyl tert-Butyl Ether
Concen: 2.28 ppbv
RT: 5.14 min Scan# 684
Delta R.T. 0.01 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.0	27.0





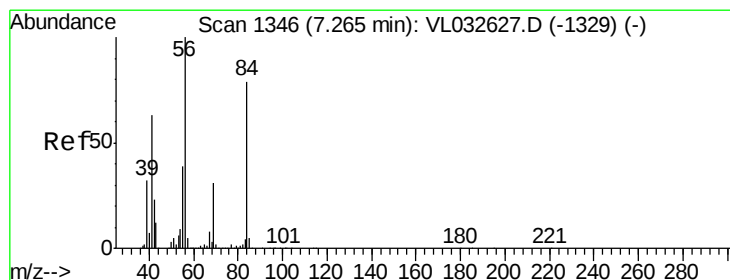
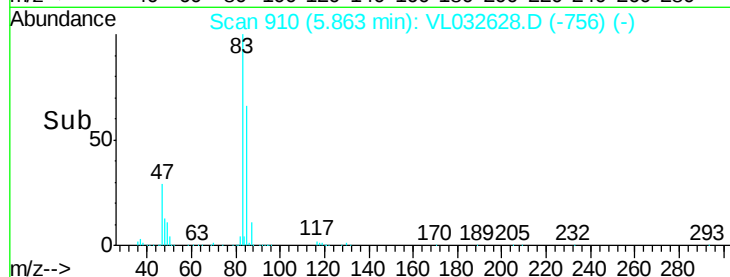
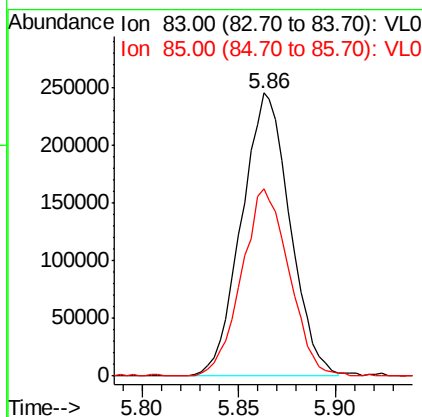
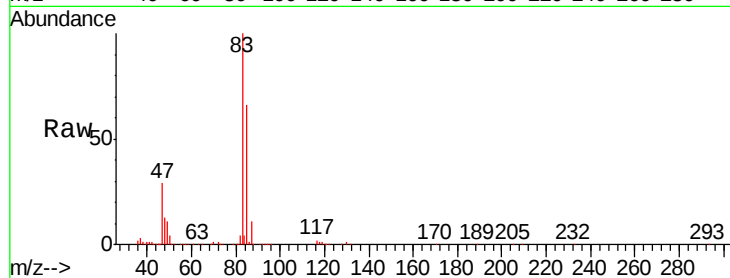
#29
Chloroform
Concen: 2.05 ppbv
RT: 5.86 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 83 Resp: 424925
Ion Ratio Lower Upper
83 100
85 66.3 53.0 79.6

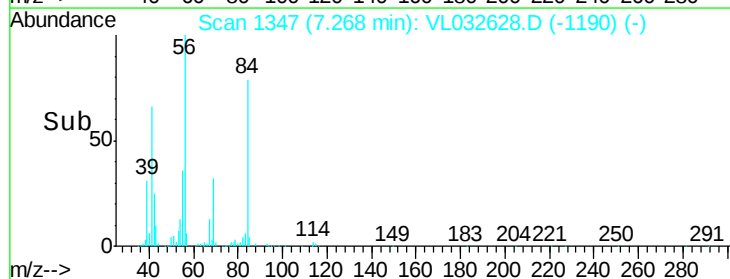
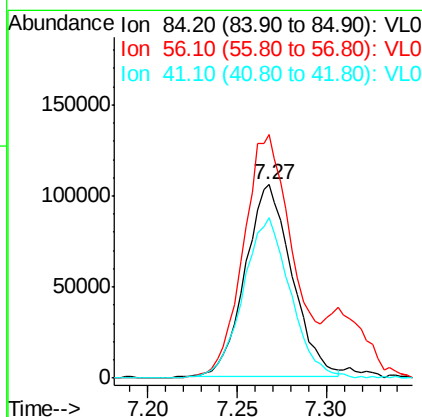
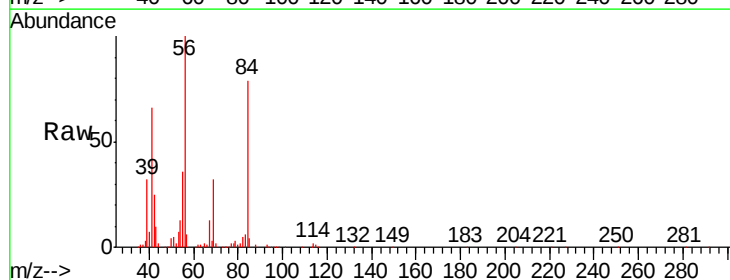
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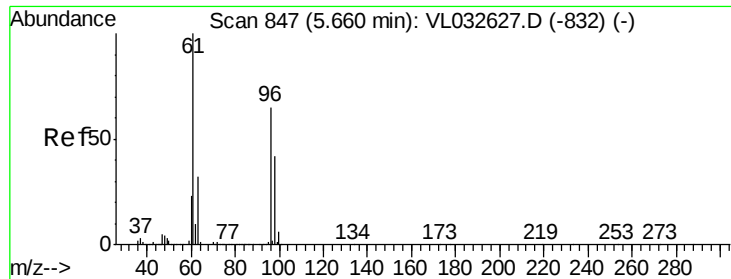
MMDadoda
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#30
Cyclohexane
Concen: 2.04 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion: 84 Resp: 194794
Ion Ratio Lower Upper
84 100
56 162.2 108.3 162.5
41 84.7 64.8 97.2





#31

cis-1,2-Dichloroethene

Concen: 2.11 ppbv

RT: 5.66 min Scan# 846

Delta R.T. -0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 61 Resp: 243793
Ion Ratio Lower Upper

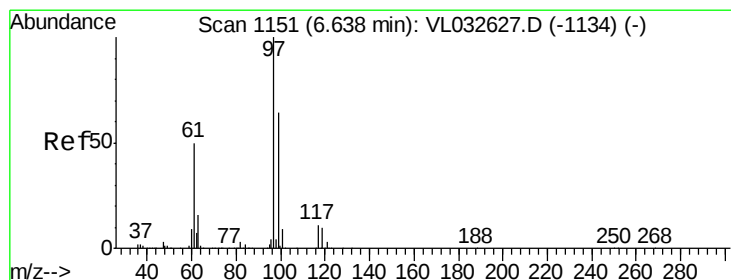
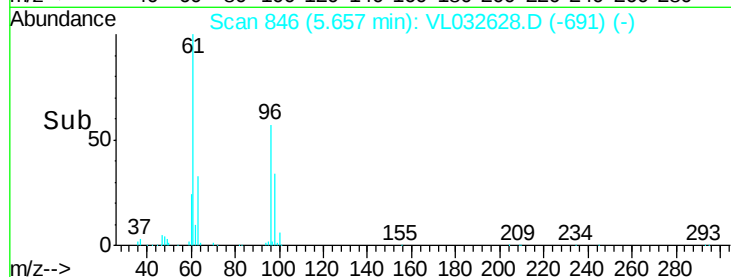
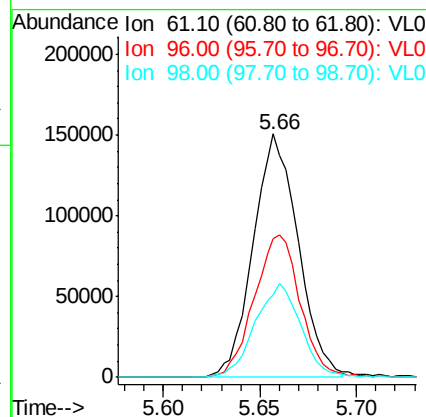
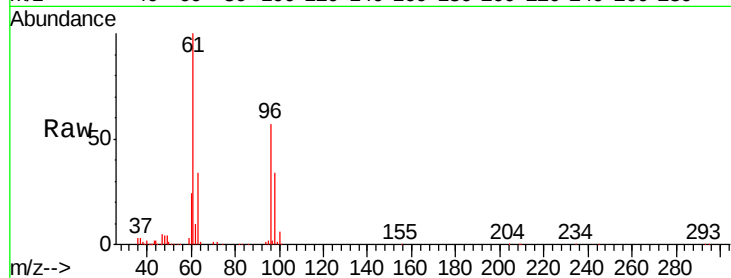
61 100

96 56.6 51.8 77.6

98 33.4 33.8 50.6#

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#32

1,1,1-Trichloroethane

Concen: 2.08 ppbv

RT: 6.64 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VL032628.D

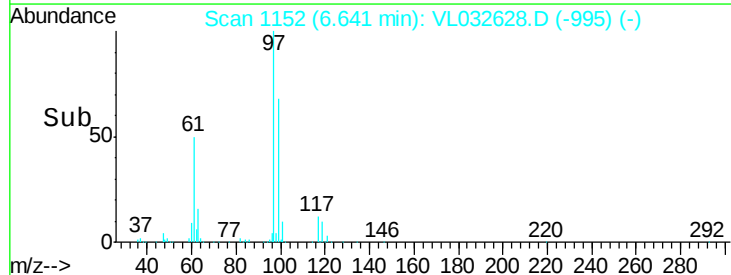
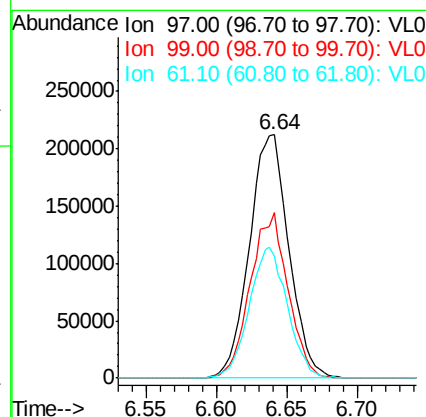
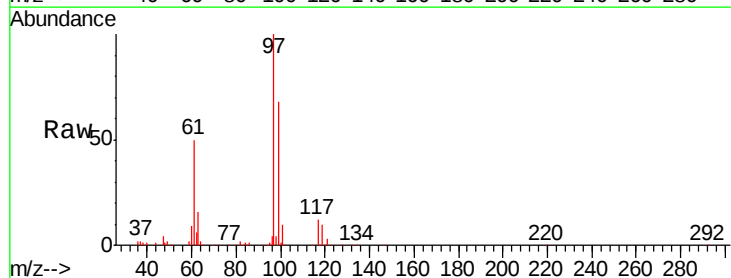
Acq: 17 Oct 2018 3:26

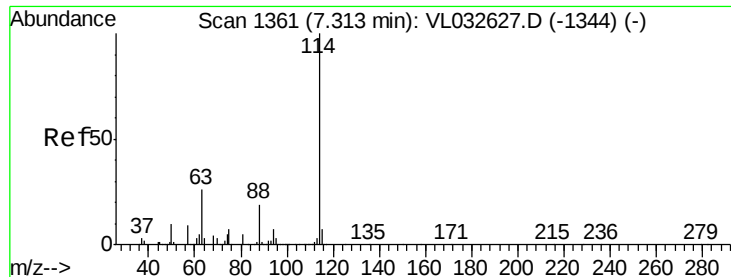
Tgt Ion: 97 Resp: 417541
Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

61 51.8 40.7 61.1





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.31 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

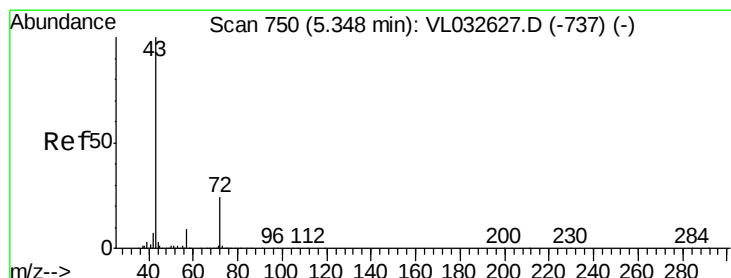
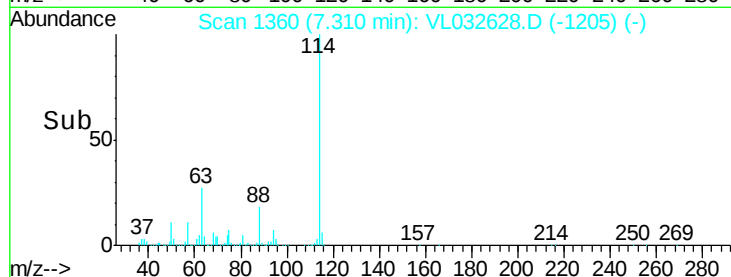
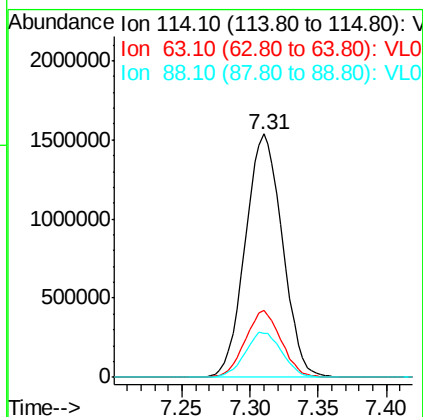
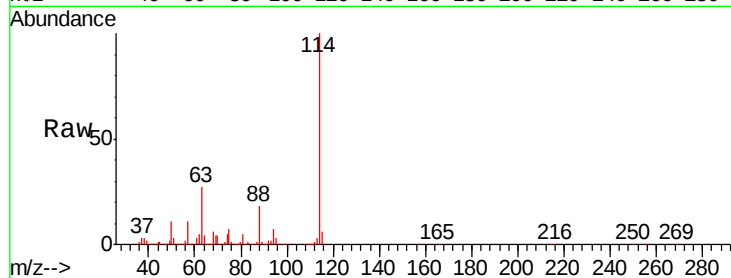
ClientSampleId :

VSTDIC002

Tgt Ion:	114	Resp:	2899712
Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.7	32.5
88	18.4	14.9	22.3

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#34

2-Butanone

Concen: 2.16 ppbv

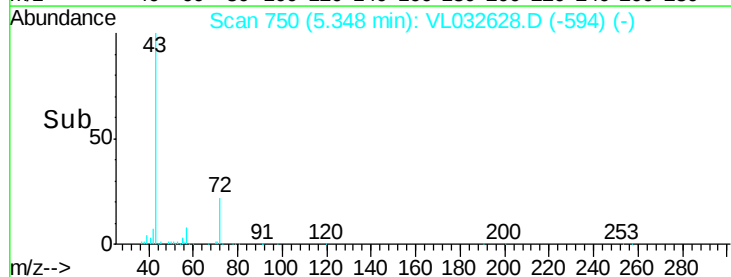
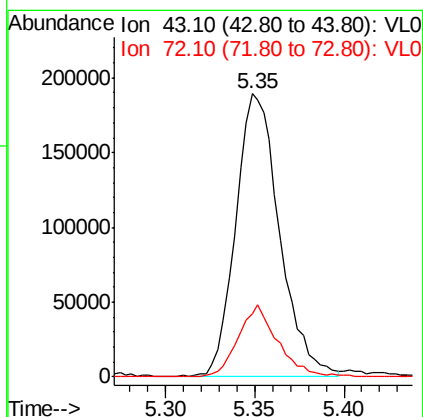
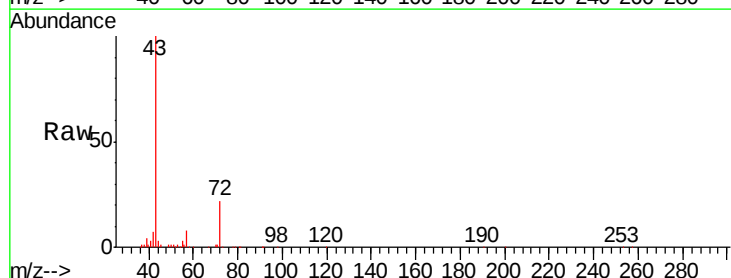
RT: 5.35 min Scan# 750

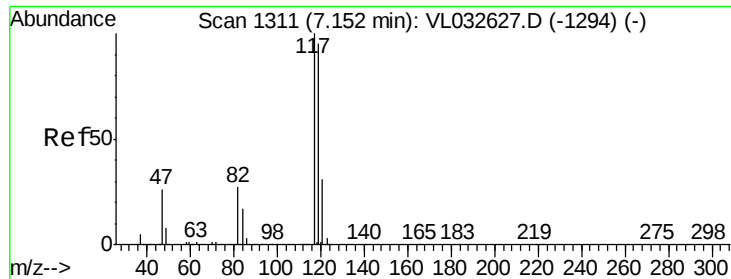
Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Tgt Ion:	43	Resp:	322710
Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.6	27.8





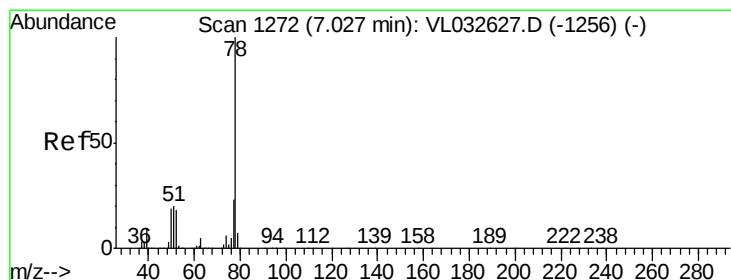
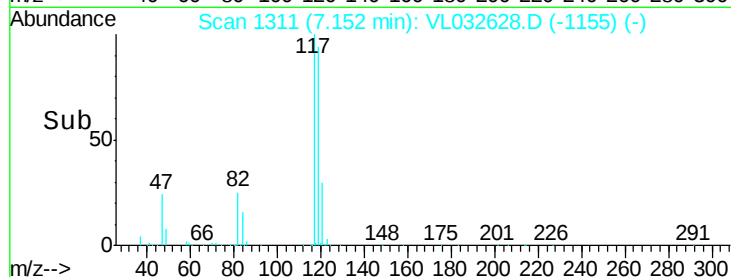
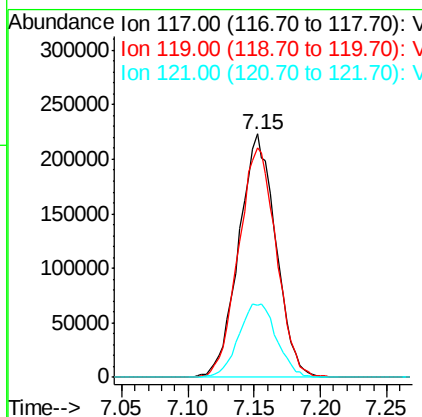
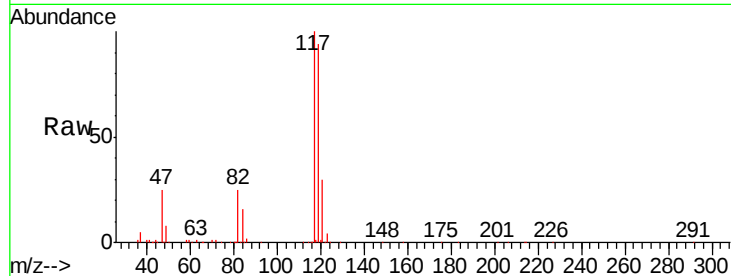
#35
Carbon Tetrachloride
Concen: 2.07 ppbv
RT: 7.15 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.7	113.5
121	29.8	24.7	37.1

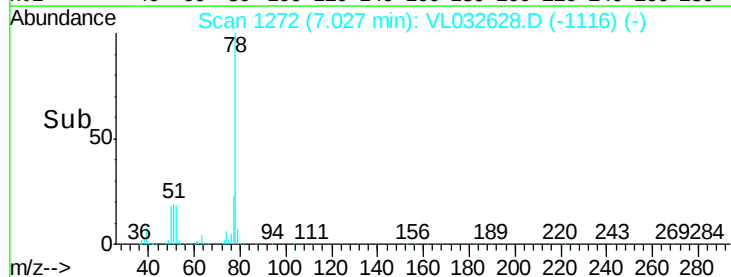
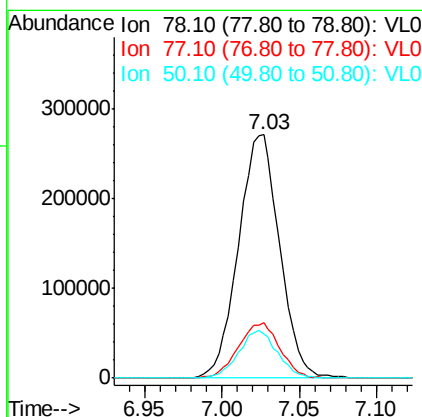
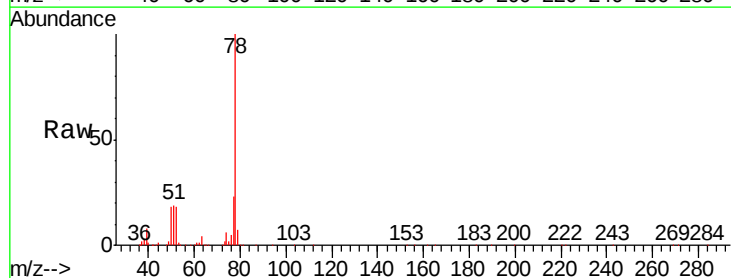
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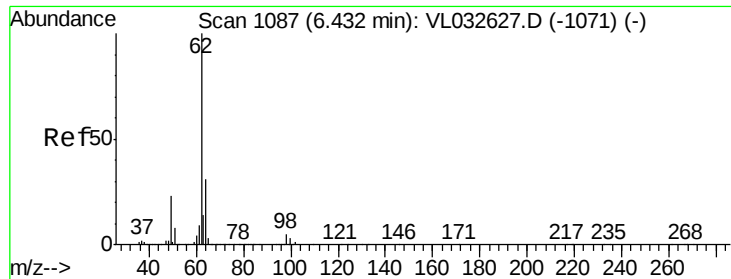
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#36
Benzene
Concen: 2.18 ppbv
RT: 7.03 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.1	27.1
50	17.7	15.1	22.7





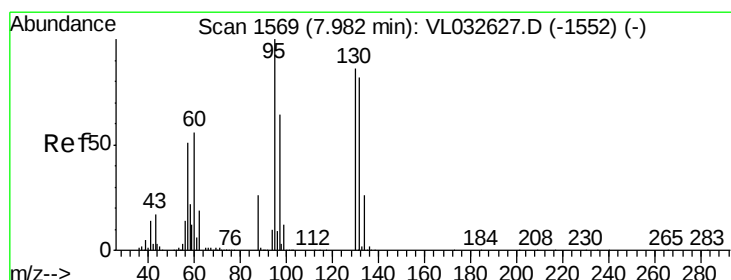
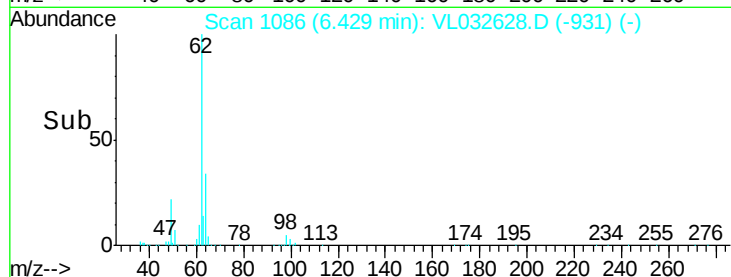
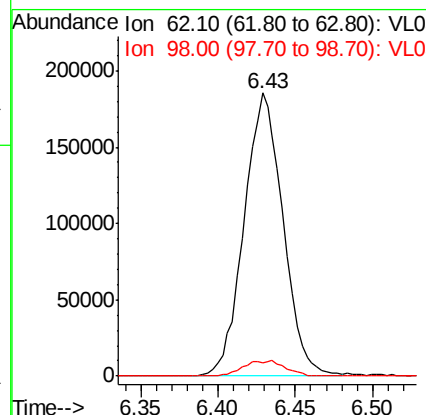
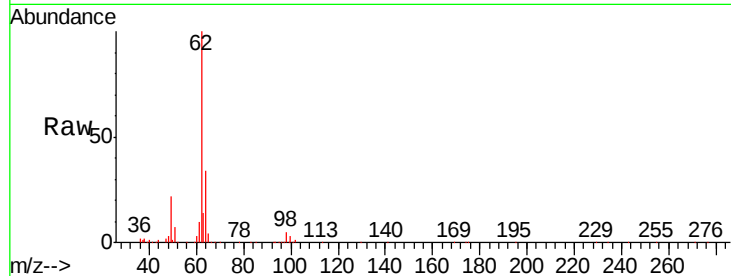
#37
1,2-Dichloroethane
Concen: 2.12 ppbv
RT: 6.43 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	324654		
98	6.0	4.4	6.6	

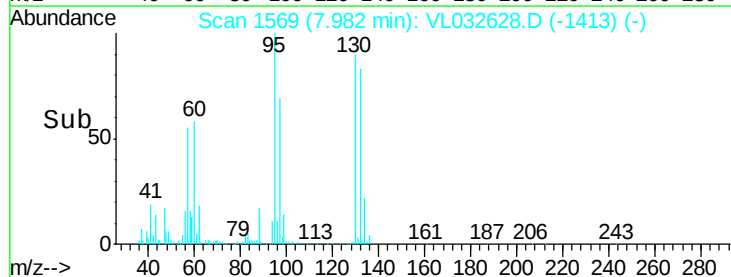
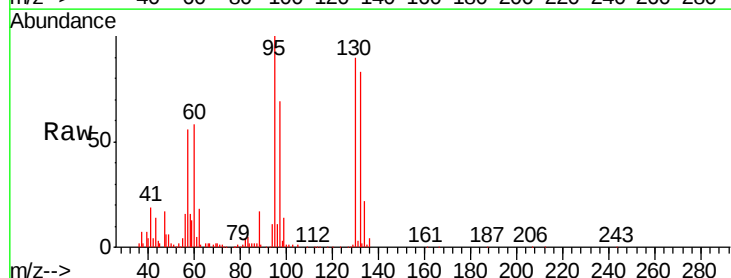
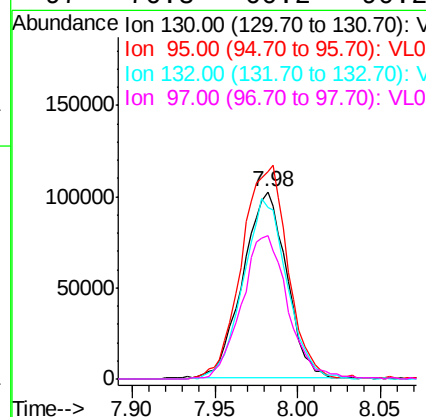
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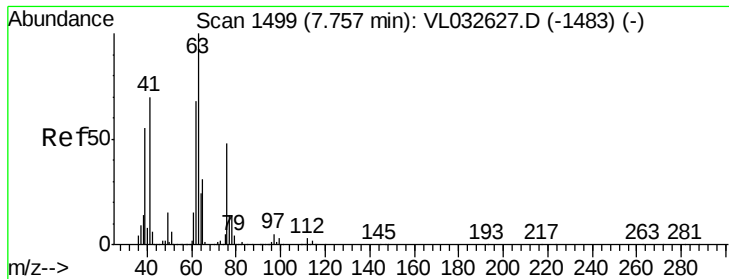
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#38
Trichloroethene
Concen: 2.23 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	187997		
95	111.0	93.4	140.0	
132	91.5	76.5	114.7	
97	76.8	60.2	90.2	





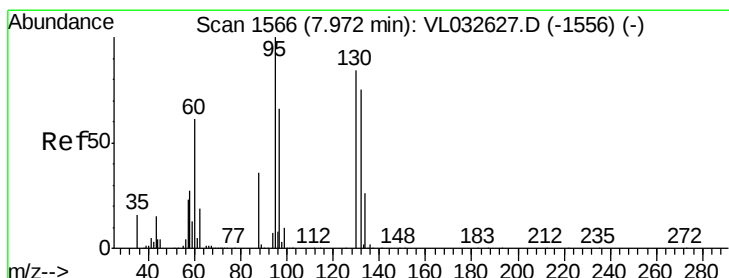
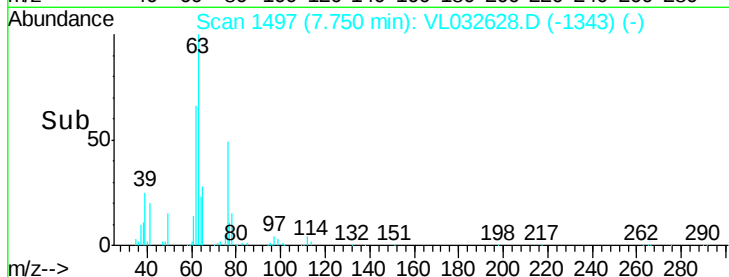
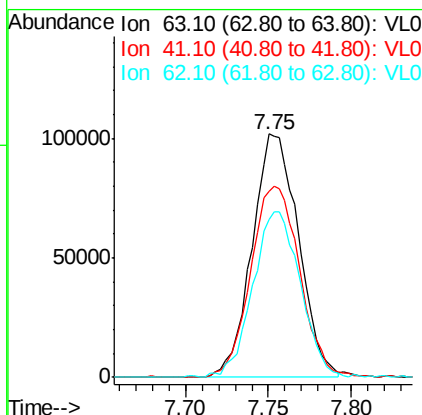
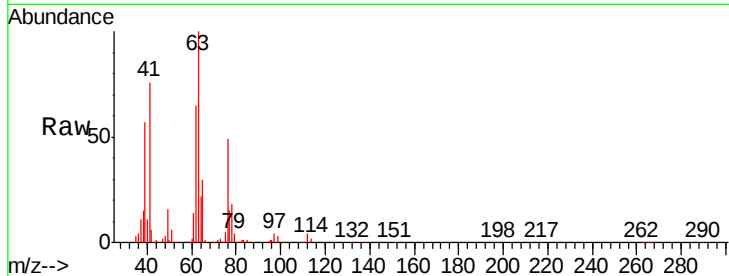
#39
 1,2-Dichloropropane
 Concen: 2.11 ppbv
 RT: 7.75 min Scan# 1497
 Delta R.T. -0.01 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
63	100		
41	76.4	56.2	84.4
62	64.0	54.4	81.6

Manual Integrations
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#40
 1,4-Dioxane
 Concen: 2.00 ppbv
 RT: 7.99 min Scan# 1573
 Delta R.T. 0.02 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	160.7	104.0	156.0#
43	309.0	0.0	0.0#
57	1483.5	0.0	0.0#

