

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032516.D
 Acq On : 24 Sep 2018 17:45
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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 9/26/2018 4:47:08 PM

Quant Time: Sep 24 18:37:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 24 2018
 QLast Update : Mon Sep 24 18:32:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1557002	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3650412	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3571844	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2739079	10.33	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	163736	0.822	ppbv	92
3) Chlorodifluoromethane	3.03	51	140626	0.998	ppbv	100
4) Chloromethane	3.19	50	82798	0.970	ppbv	97
5) Vinyl Chloride	3.31	62	77877	0.925	ppbv	92
6) Bromomethane	3.53	94	43749	0.989	ppbv	93
7) Chloroethane	3.62	64	27774	0.953	ppbv	96
8) Dichlorotetrafluoroethane	3.24	85	175054	0.990	ppbv	98
9) Propene	3.06	41	58625	1.031	ppbv	98
10) Heptane	8.28	43	209593	1.028	ppbv	97
11) Trichlorofluoromethane	4.02	101	185462	1.033	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.57	101	152872	1.256	ppbv	98
13) Ethanol	3.68	45	18246	1.030	ppbv	80
14) Bromoethene	3.81	108	51600	1.001	ppbv #	97
15) Acetone	3.93	43	150504	1.073	ppbv	99
16) 1,3-Butadiene	3.38	39	64488	0.977	ppbv	89
17) tert-Butyl alcohol	4.40	59	20480m	0.949	ppbv	
18) 1,1-Dichloroethene	4.38	96	69396	1.248	ppbv	90
19) Isopropyl Alcohol	4.05	45	106208	1.155	ppbv #	95
20) Methylene Chloride	4.43	84	75491	1.412	ppbv	97
21) Allyl Chloride	4.50	41	113767	1.222	ppbv	96
22) trans-1,2-Dichloroethene	4.98	96	64302	1.066	ppbv	94
23) Vinyl Acetate	5.18	43	251301	1.081	ppbv #	97
24) 1,1-Dichloroethane	5.12	63	211353	1.104	ppbv	98
25) Ethyl Acetate	5.80	43	340502	1.028	ppbv	99
26) Hexane	5.80	57	152406	1.028	ppbv	94
27) Carbon Disulfide	4.64	76	164426	1.201	ppbv #	88
28) Methyl tert-Butyl Ether	5.15	73	193531	1.063	ppbv	96
29) Chloroform	5.87	83	242701	1.074	ppbv	91
30) Cyclohexane	7.27	84	123633m	1.139	ppbv	
31) cis-1,2-Dichloroethene	5.67	61	140073m	1.043	ppbv	
32) 1,1,1-Trichloroethane	6.65	97	247554	1.175	ppbv	98
34) 2-Butanone	5.36	43	220639	0.910	ppbv	99
35) Carbon Tetrachloride	7.16	117	249918	1.019	ppbv	94
36) Benzene	7.03	78	304618	0.981	ppbv	97
37) 1,2-Dichloroethane	6.44	62	186411	0.979	ppbv	99
38) Trichloroethene	7.99	130	112719	0.955	ppbv	98
39) 1,2-Dichloropropane	7.77	63	134006	1.008	ppbv	99
40) 1,4-Dioxane	8.01	88	45585m	1.143	ppbv	
41) Tetrahydrofuran	6.19	42	109517	0.830	ppbv	99
42) Bromodichloromethane	7.95	83	270339	1.030	ppbv	97
43) Methyl Methacrylate	8.17	69	114653	0.870	ppbv	99

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 24 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	8.02	57	597033	0.994	ppbv	98
45) t-1,3-Dichloropropene	9.44	75	134590	0.954	ppbv #	87
46) cis-1,3-Dichloropropene	8.87	75	160770	0.892	ppbv	93
47) 1,1,2-Trichloroethane	9.65	97	151879m	1.075	ppbv	
48) Dibromochloromethane	10.48	129	230440	1.177	ppbv	100
49) Bromoform	13.24	173	175102m	1.029	ppbv	
50) 4-Methyl-2-Pentanone	8.91	43	340488	0.932	ppbv	97
51) 2-Hexanone	10.32	43	269228	1.144	ppbv #	93
52) Tetrachloroethene	11.40	164	99115	1.029	ppbv	93
53) Toluene	9.98	91	336600	1.037	ppbv	100
54) 1,2-Dibromoethane	10.79	107	207291	1.093	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.31	131	175696	1.091	ppbv #	1
57) Chlorobenzene	12.34	112	310868m	1.089	ppbv	
58) Ethyl Benzene	12.89	91	432593	1.012	ppbv	97
59) m/p-Xylene	13.18	91	810413m	2.127	ppbv	
60) o-Xylene	13.88	91	402249	1.075	ppbv	99
61) Styrene	13.72	104	230618	0.952	ppbv	99
62) Isopropylbenzene	14.86	105	551614	1.048	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.87	83	351260	1.050	ppbv	99
64) n-propylbenzene	15.75	120	140789	1.023	ppbv	83
65) tert-Butylbenzene	16.94	119	487186	1.074	ppbv	96
66) Benzyl Chloride	17.19	91	250514	0.992	ppbv	100
67) sec-Butylbenzene	17.49	105	737691	1.082	ppbv	97
69) p-Isopropyltoluene	17.85	119	543904	1.029	ppbv	97
70) n-Butylbenzene	18.74	91	596076	0.995	ppbv	97
71) 2-Chlorotoluene	15.65	91	413665	1.029	ppbv	98
72) 4-Ethyltoluene	16.03	105	404308	0.989	ppbv	97
73) 1,3,5-Trimethylbenzene	16.19	105	404981	0.989	ppbv	92
74) 1,2,4-Trimethylbenzene	16.96	105	449862	1.005	ppbv #	91
75) 1,3-Dichlorobenzene	17.19	146	287263	1.082	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	249140	1.011	ppbv	96
77) 1,2-Dichlorobenzene	18.02	146	266049	1.038	ppbv	100
78) Hexachloro-1,3-Butadiene	23.58	225	103346m	1.079	ppbv	
79) Naphthalene	22.45	128	256888m	0.706	ppbv	
80) Naphthalene, 2-methyl-	25.14	142	17631	0.182	ppbv	90
81) 1,2,4-Trichlorobenzene	22.18	180	144336m	0.787	ppbv	

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

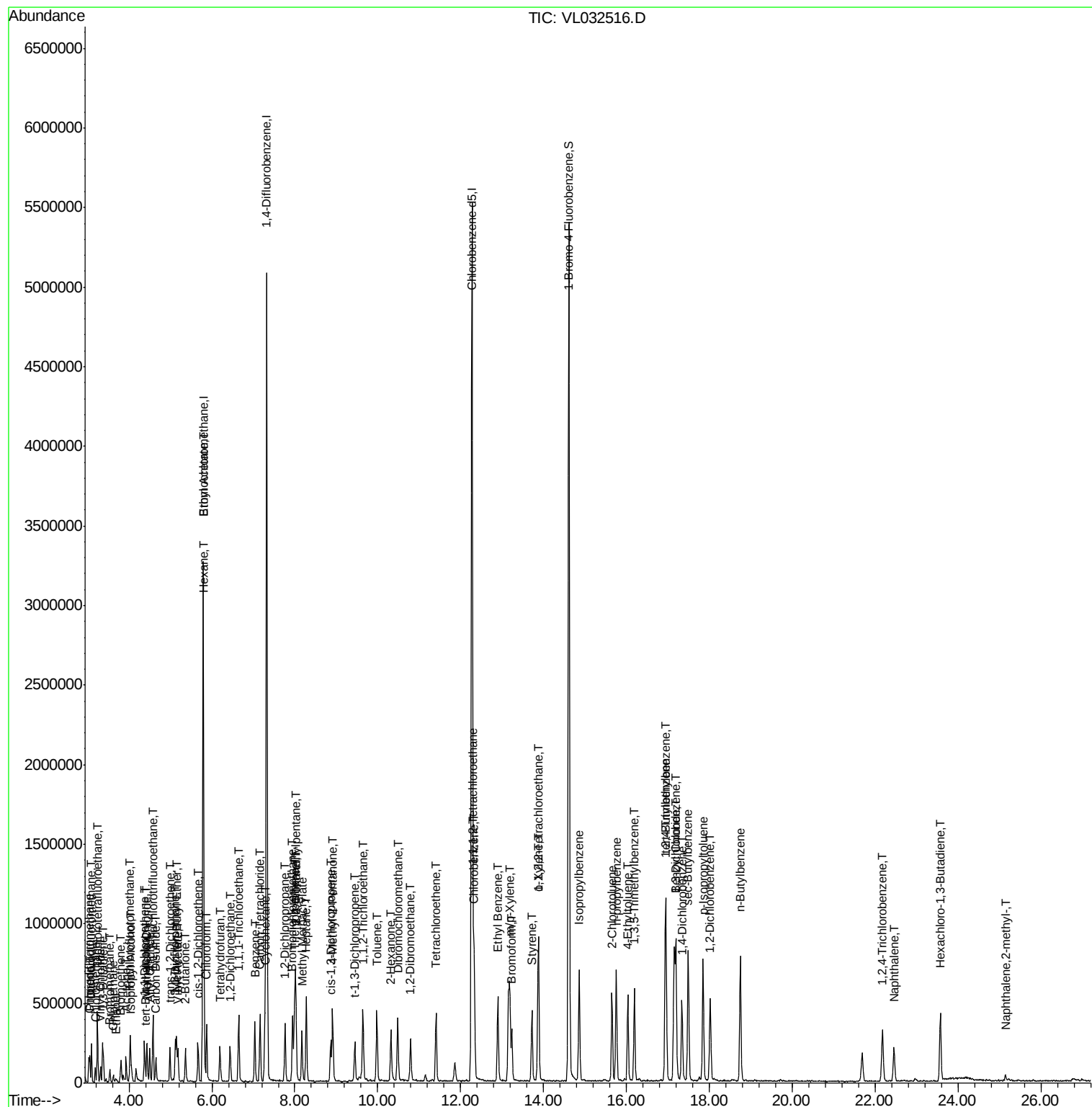
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092418\
Data File : VL032516.D
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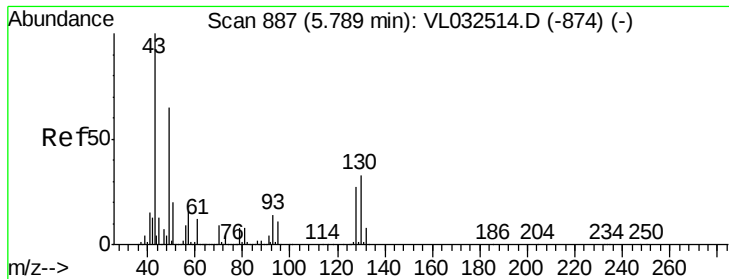
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 24 18:32:13 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1557002

Ion Ratio Lower Upper

49 100

128 41.9 20.7 62.1

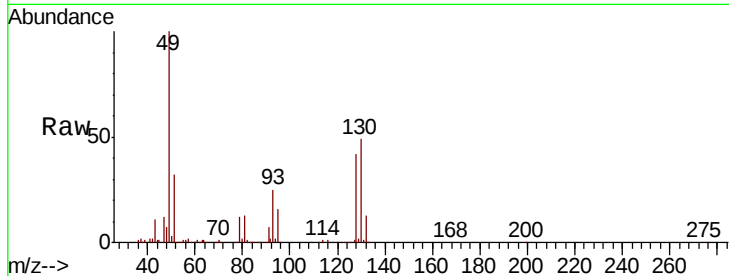
130 53.3 26.6 79.7

Manual Integrations

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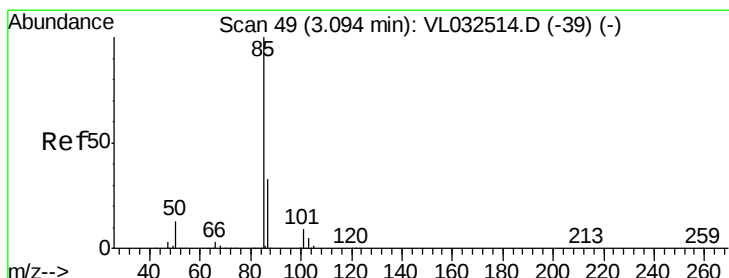
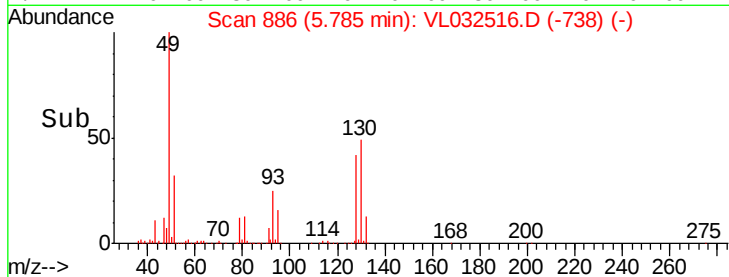
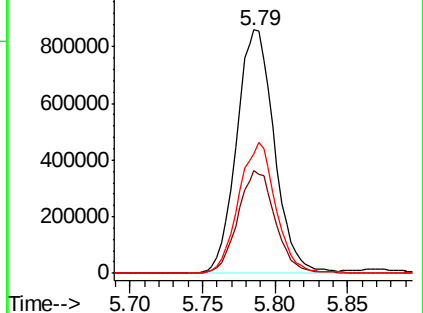
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.822 ppbv

RT: 3.09 min Scan# 49

Delta R.T. -0.01 min

Lab File: VL032516.D

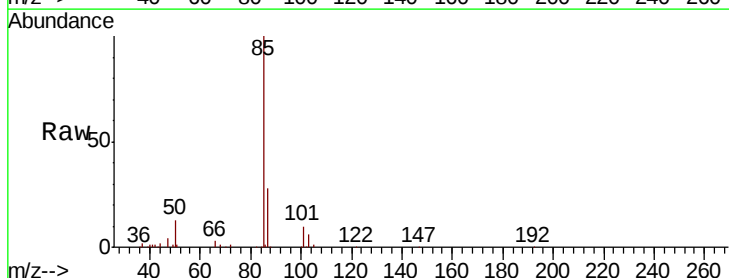
Acq: 24 Sep 2018 17:45

Tgt Ion: 85 Resp: 163736

Ion Ratio Lower Upper

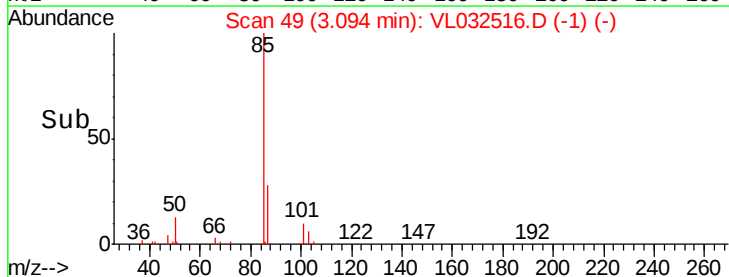
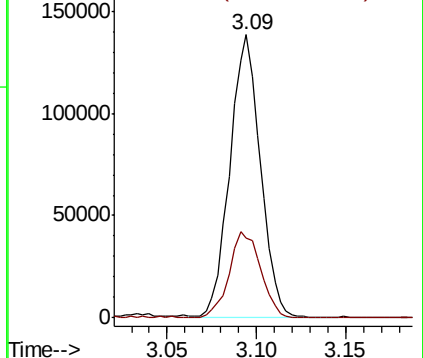
85 100

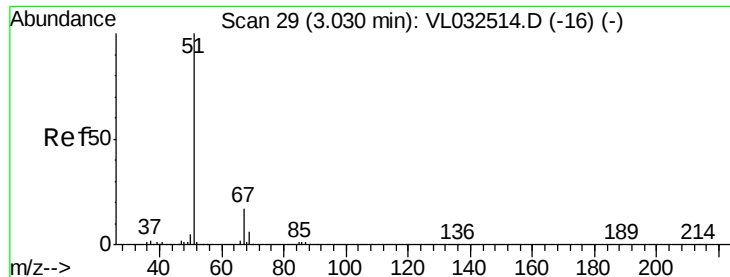
87 28.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.998 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 140626

Ion Ratio Lower Upper

51 100

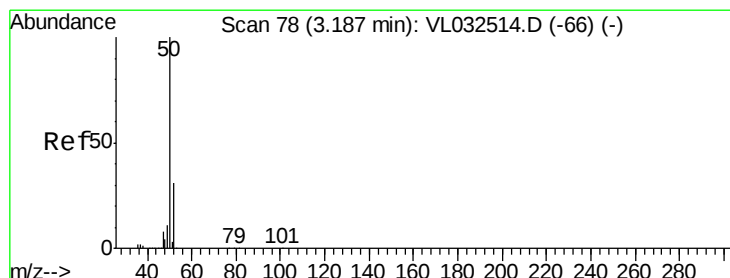
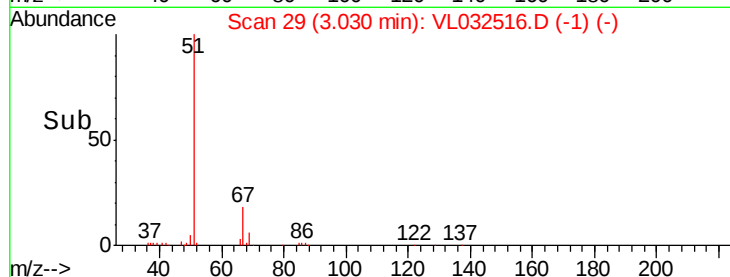
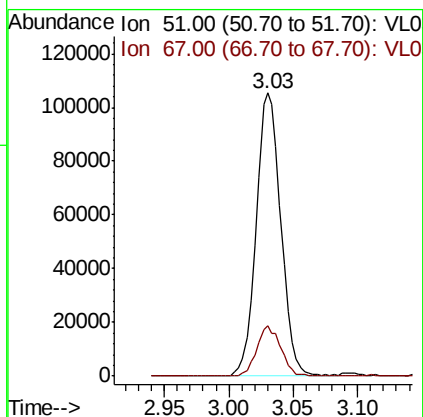
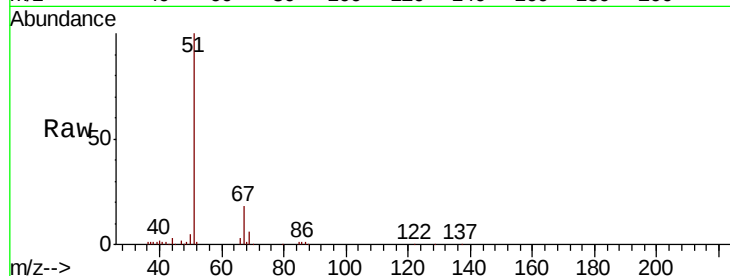
67 17.3 13.8 20.8

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#4

Chloromethane

Concen: 0.970 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032516.D

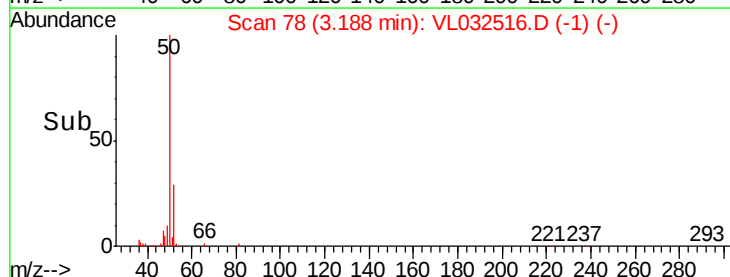
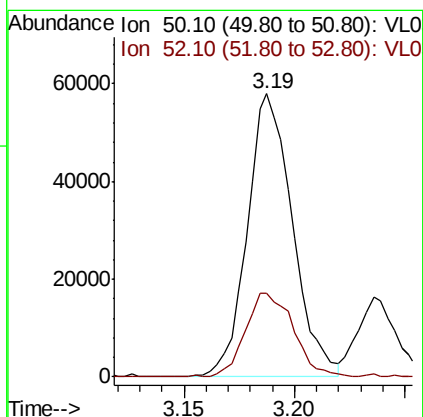
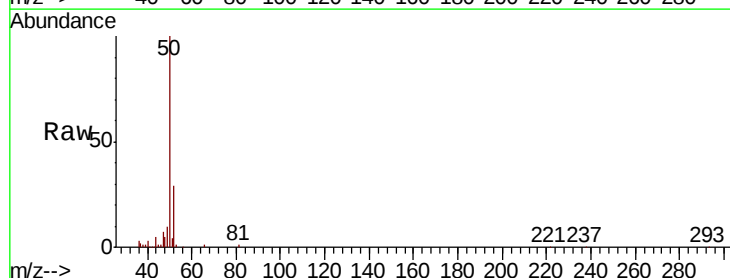
Acq: 24 Sep 2018 17:45

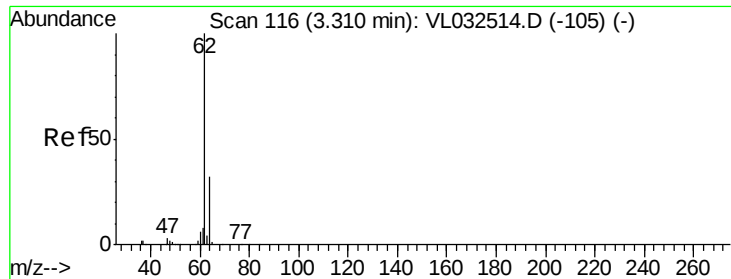
Tgt Ion: 50 Resp: 82798

Ion Ratio Lower Upper

50 100

52 30.2 25.6 38.4





#5

Vinyl Chloride

Concen: 0.925 ppbv

RT: 3.31 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 77877

Ion Ratio Lower Upper

62 100

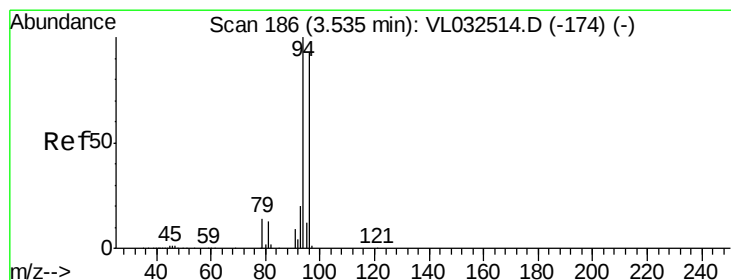
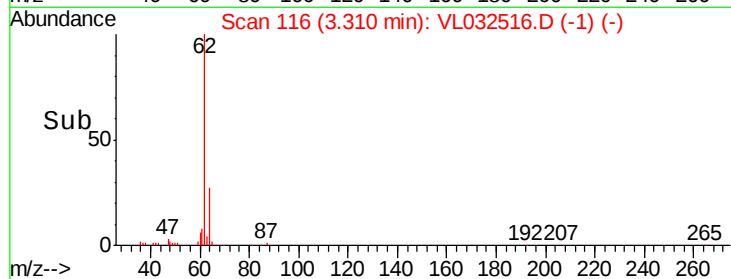
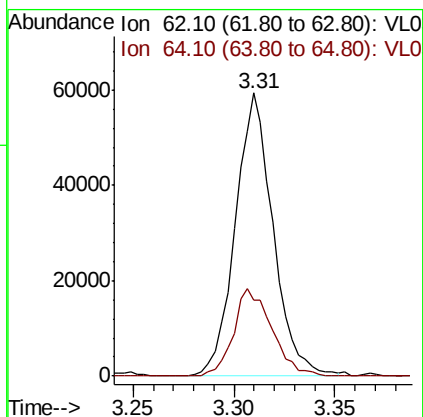
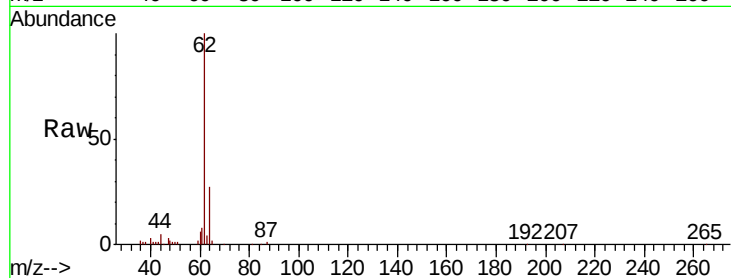
64 26.8 25.0 37.6

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#6

Bromomethane

Concen: 0.989 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032516.D

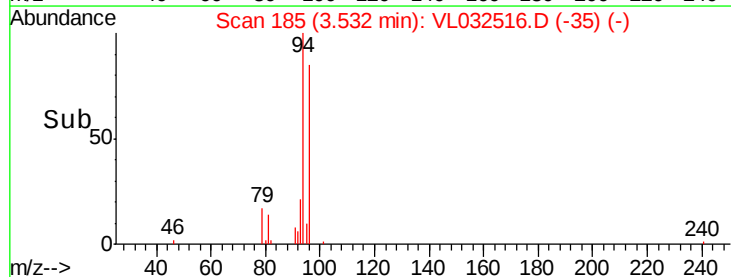
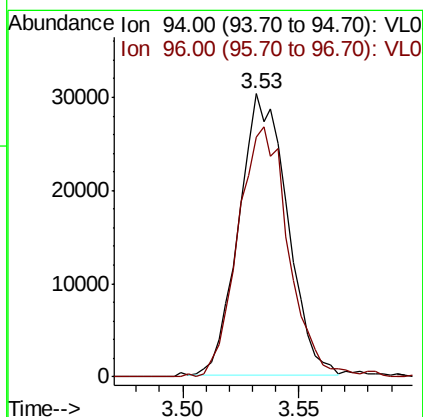
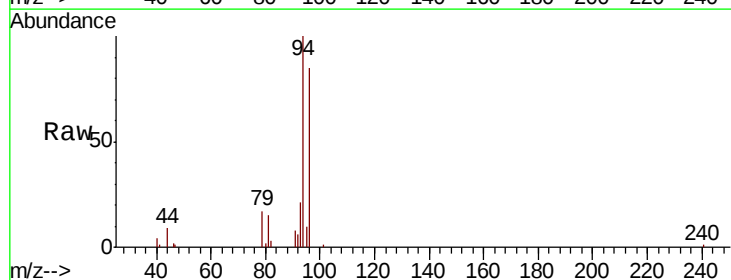
Acq: 24 Sep 2018 17:45

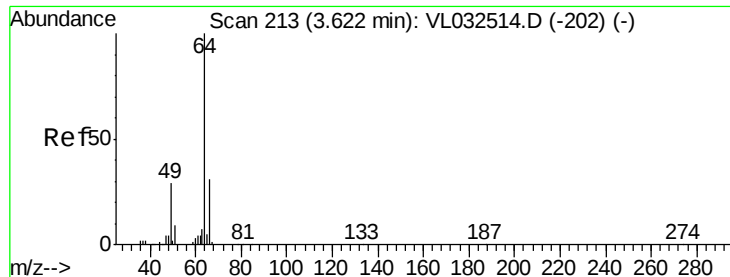
Tgt Ion: 94 Resp: 43749

Ion Ratio Lower Upper

94 100

96 84.4 72.8 109.2





#7

Chloroethane

Concen: 0.953 ppbv

RT: 3.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 27774

Ion Ratio Lower Upper

64 100

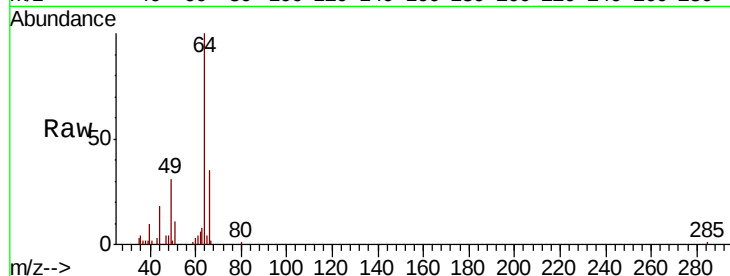
66 34.5 25.8 38.6

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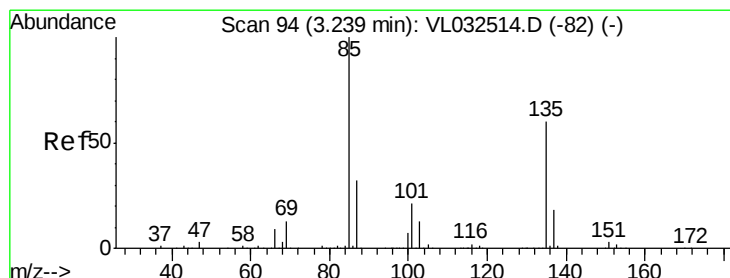
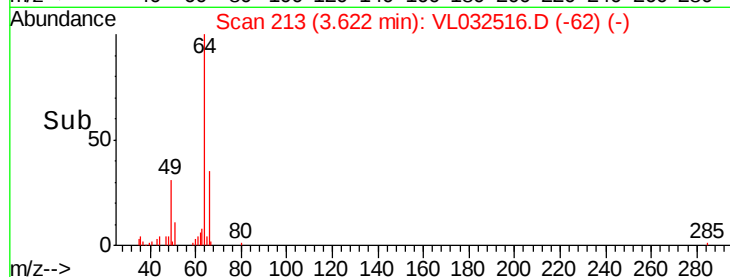
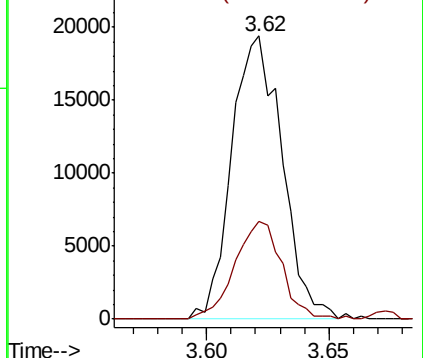
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.990 ppbv

RT: 3.24 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL032516.D

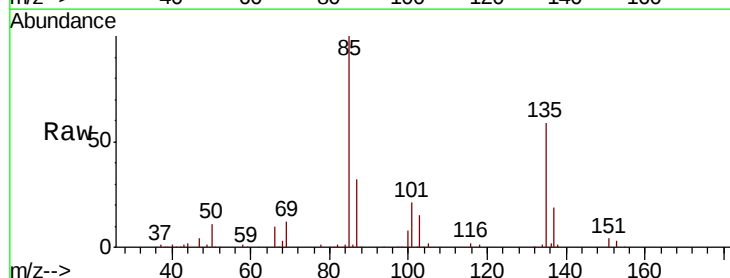
Acq: 24 Sep 2018 17:45

Tgt Ion: 85 Resp: 175054

Ion Ratio Lower Upper

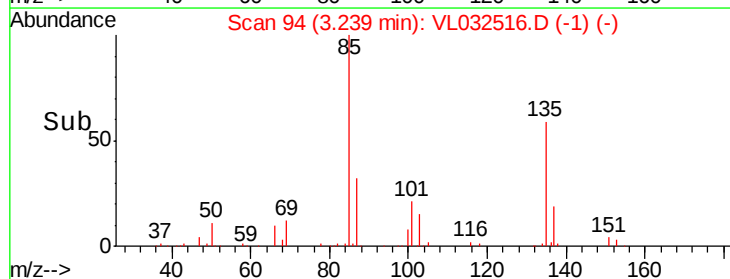
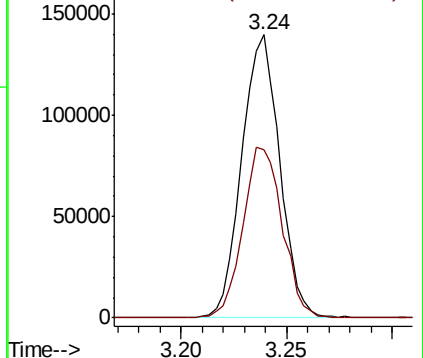
85 100

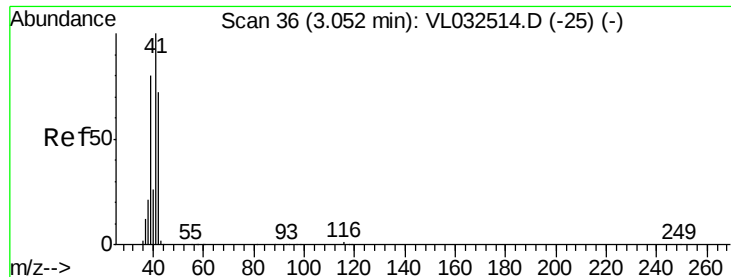
135 62.5 48.6 72.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.031 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 58625

Ion Ratio Lower Upper

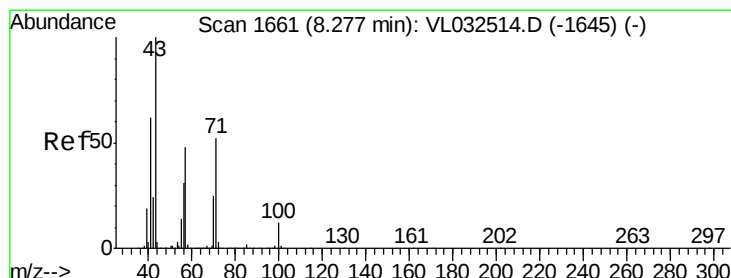
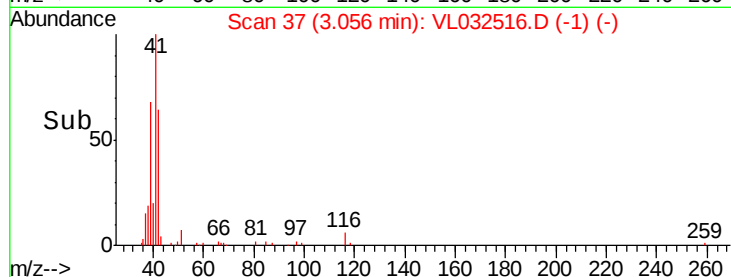
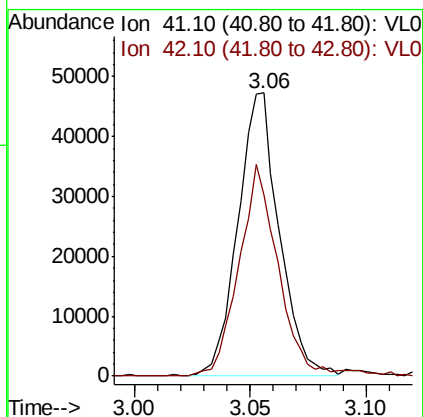
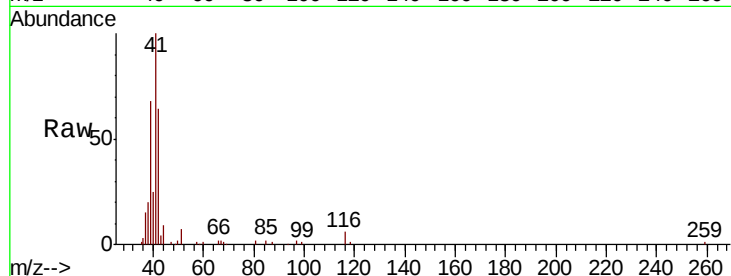
41 100

42 72.2 56.6 84.8

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#10

Heptane

Concen: 1.028 ppbv

RT: 8.28 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL032516.D

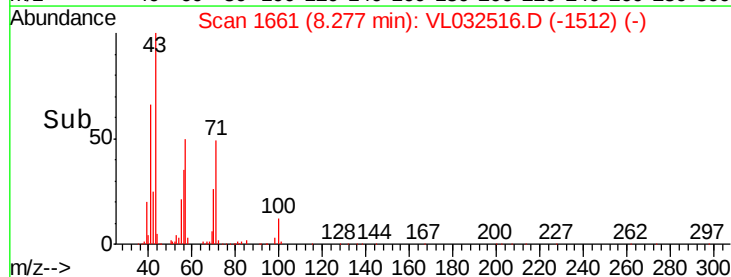
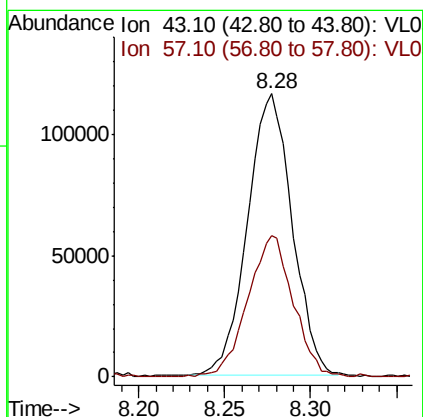
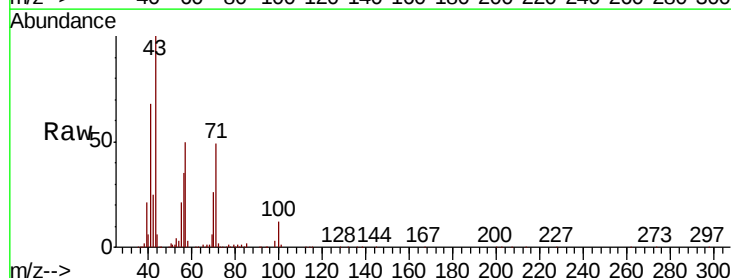
Acq: 24 Sep 2018 17:45

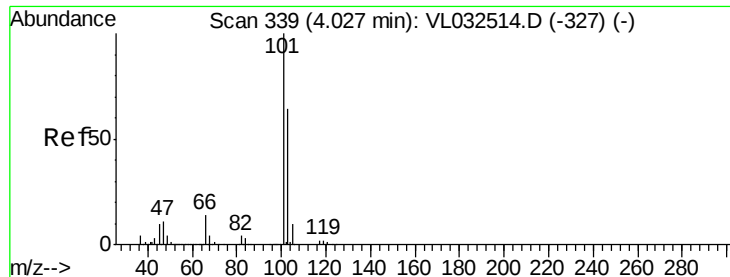
Tgt Ion: 43 Resp: 209593

Ion Ratio Lower Upper

43 100

57 51.4 39.6 59.4





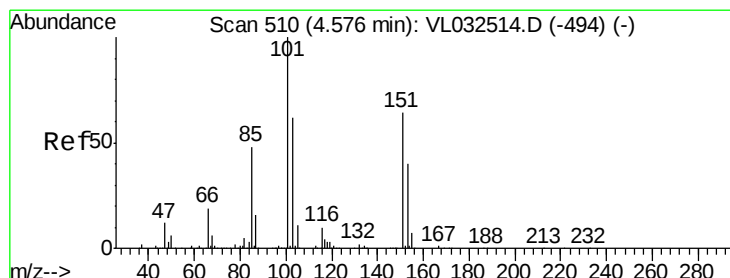
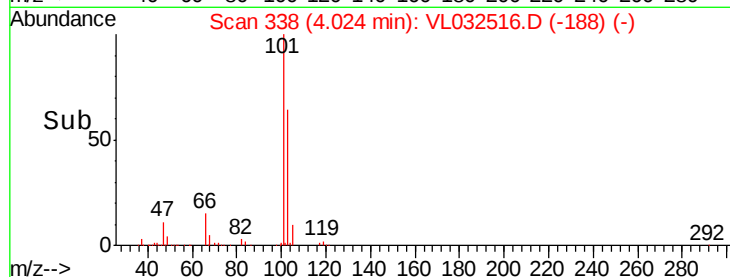
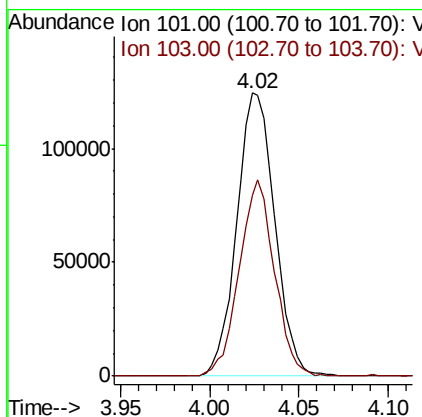
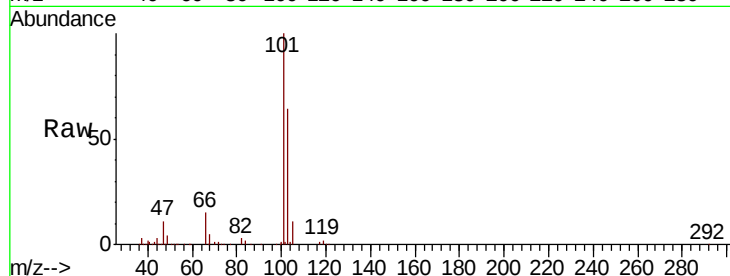
#11
 Trichlorofluoromethane
 Concen: 1.033 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. -0.02 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.8	79.2

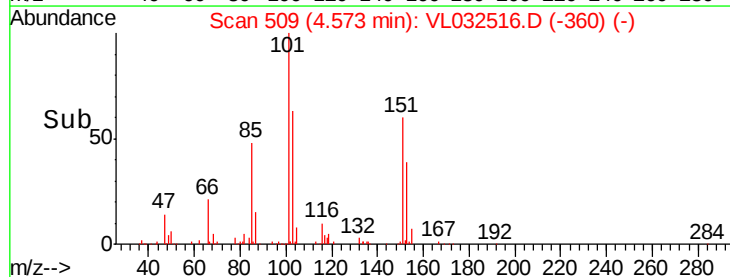
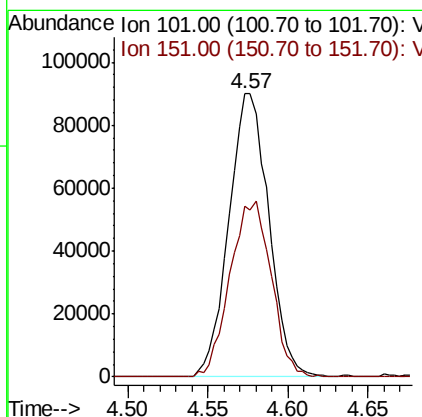
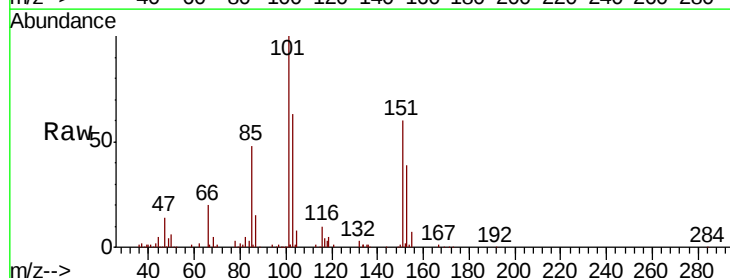
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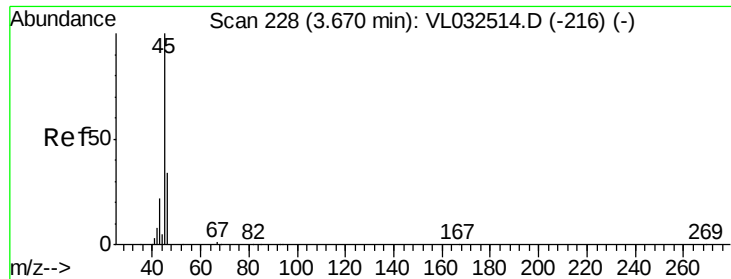
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.256 ppbv
 RT: 4.57 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
101	100		
151	63.8	52.6	78.8





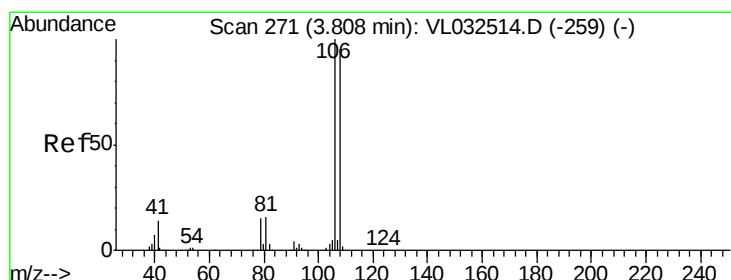
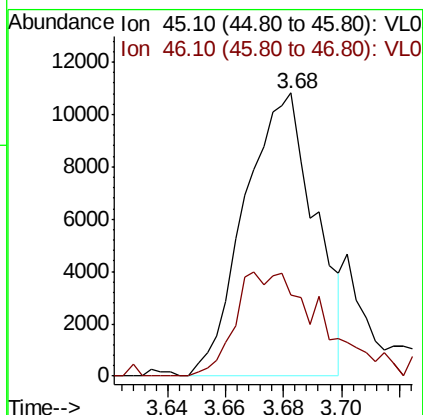
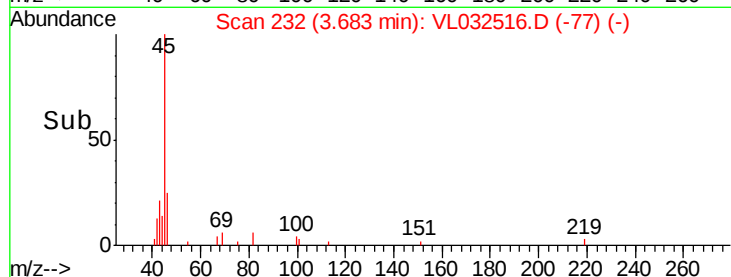
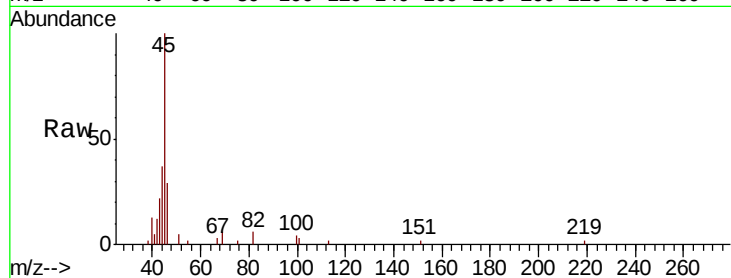
#13
Ethanol
Concen: 1.030 ppbv
RT: 3.68 min Scan# 232
Delta R.T. -0.00 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 18246
Ion Ratio Lower Upper
45 100
46 47.1 14.2 56.8

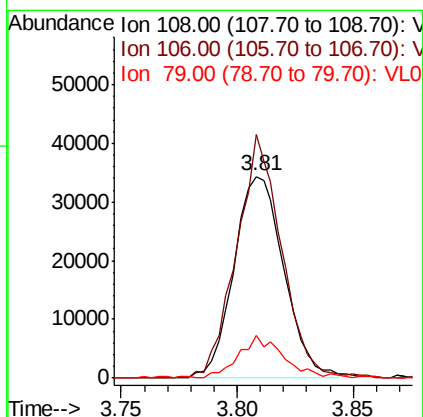
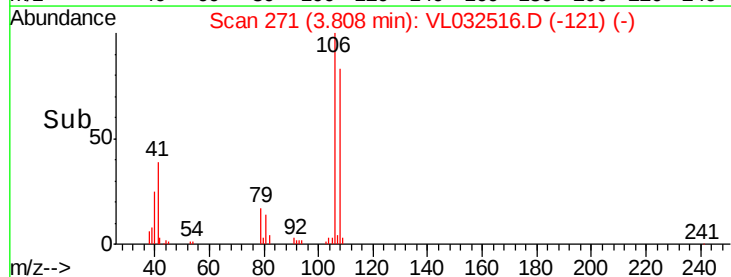
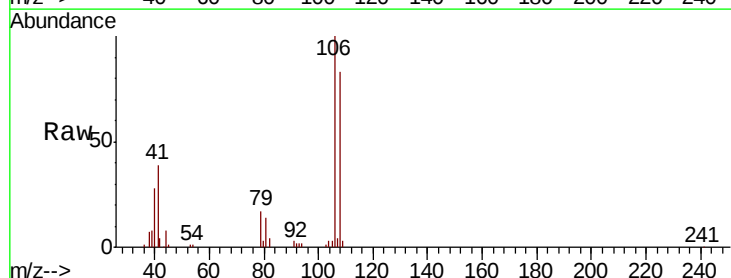
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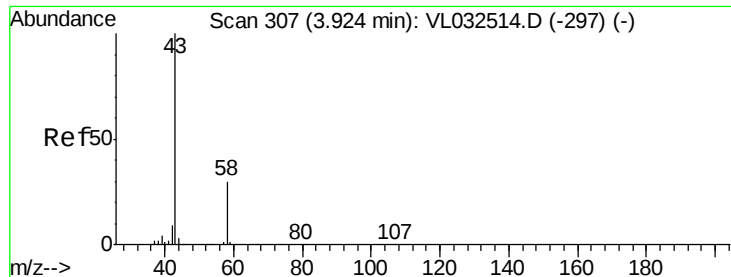
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#14
Bromoethene
Concen: 1.001 ppbv
RT: 3.81 min Scan# 271
Delta R.T. -0.02 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Tgt Ion: 108 Resp: 51600
Ion Ratio Lower Upper
108 100
106 109.0 85.5 128.3
79 19.8 13.0 19.6#





#15

Acetone

Concen: 1.073 ppbv

RT: 3.93 min Scan# 309

Delta R.T. -0.01 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 150504

Ion Ratio Lower Upper

43 100

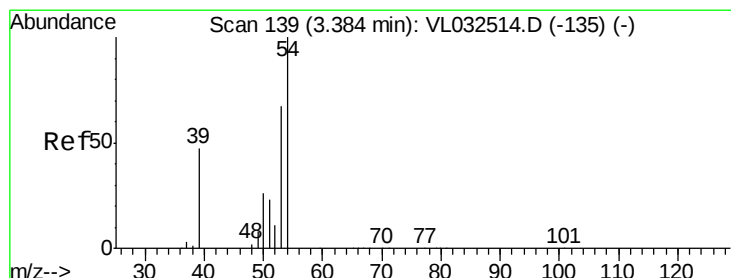
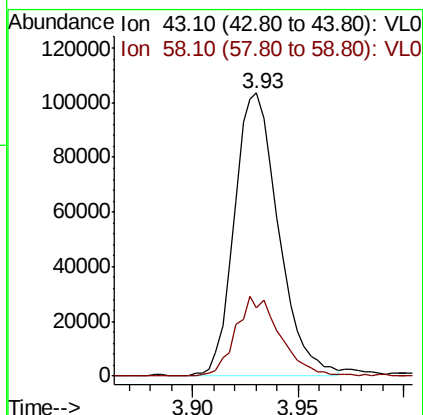
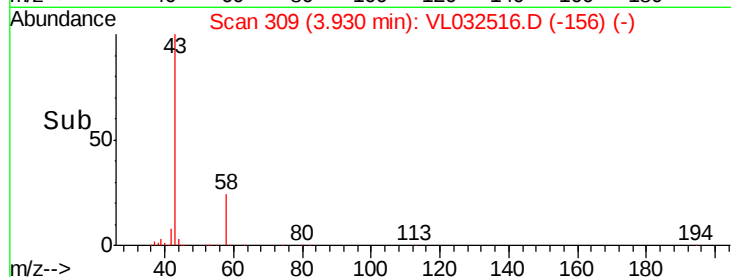
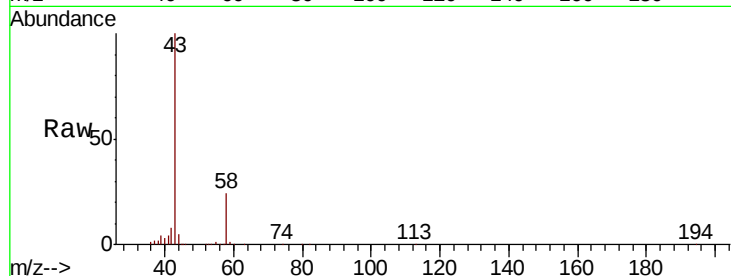
58 28.8 22.6 33.8

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.977 ppbv

RT: 3.38 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL032516.D

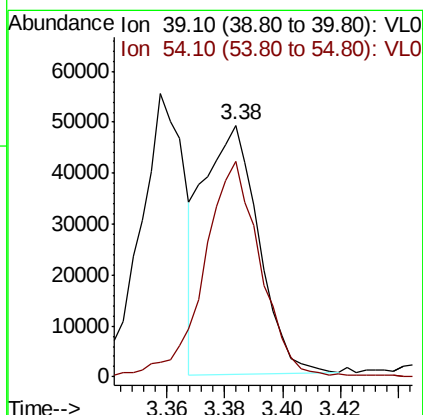
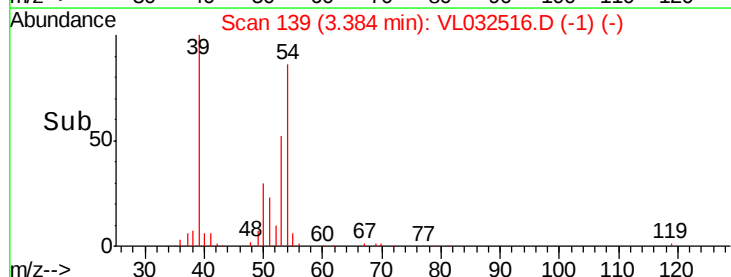
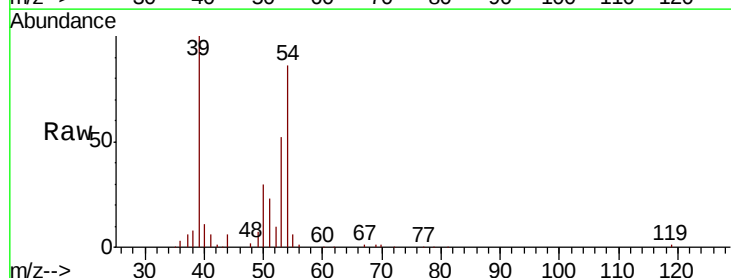
Acq: 24 Sep 2018 17:45

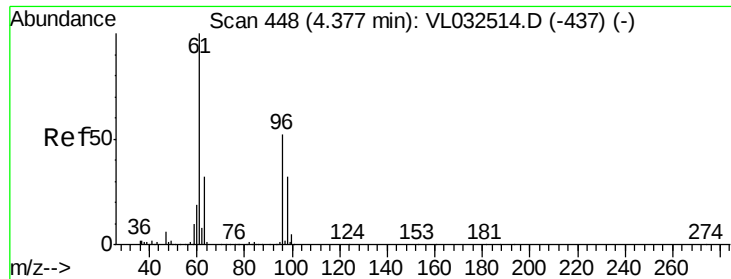
Tgt Ion: 39 Resp: 64488

Ion Ratio Lower Upper

39 100

54 89.5 80.8 121.2





#17

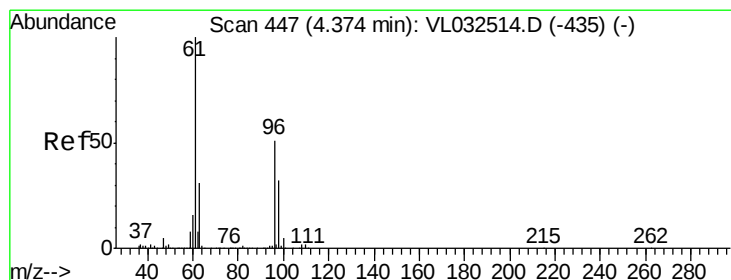
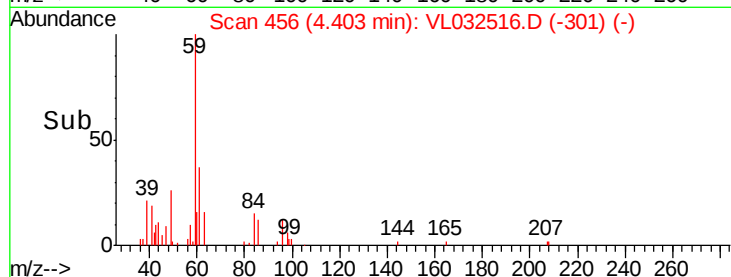
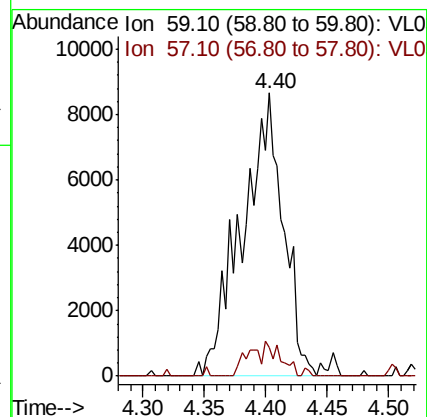
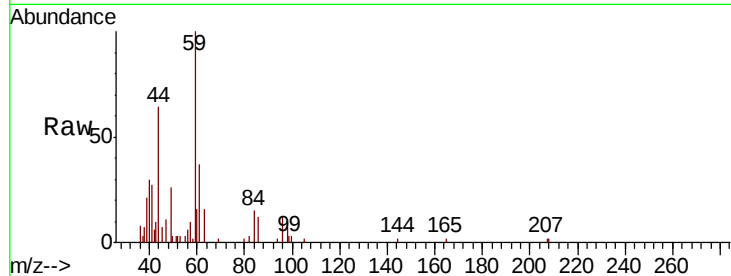
tert-Butyl alcohol
Concen: 0.949 ppbv m
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion	59	Resp	20480
Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

Manual Integrations
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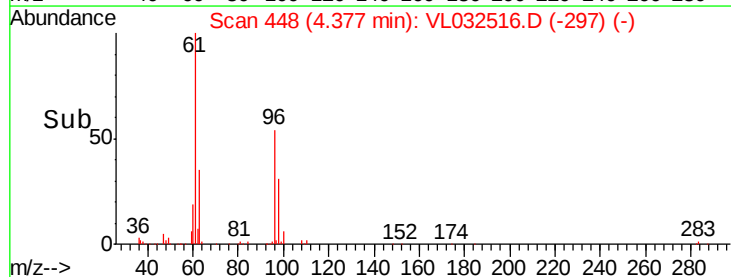
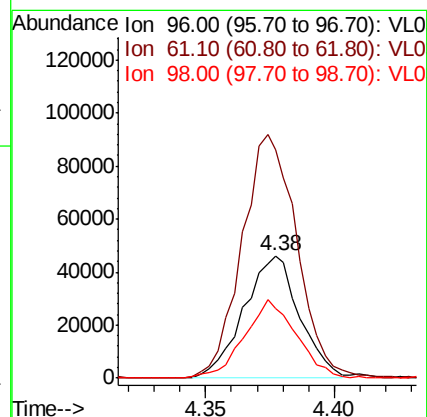
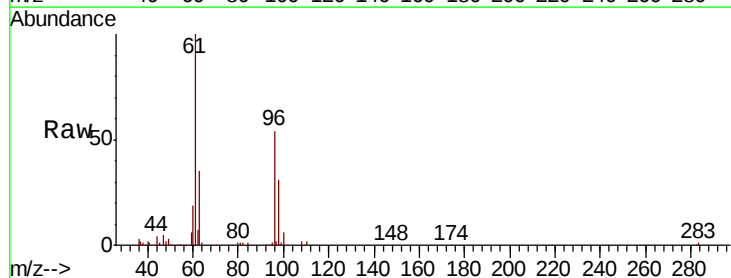
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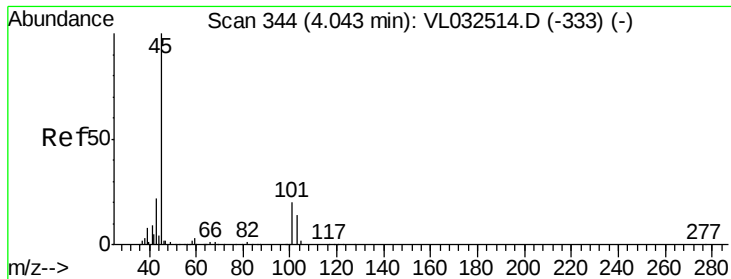


#18

1,1-Dichloroethene
Concen: 1.248 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.01 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Tgt Ion	96	Resp	69396
Ion	Ratio	Lower	Upper
96	100		
61	184.7	159.2	238.8
98	55.6	51.0	76.4





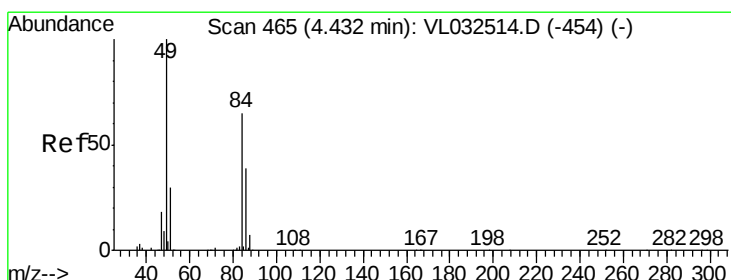
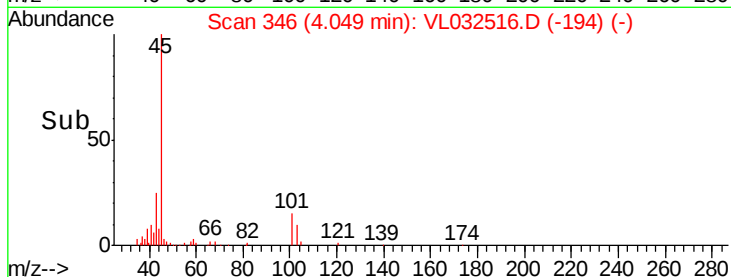
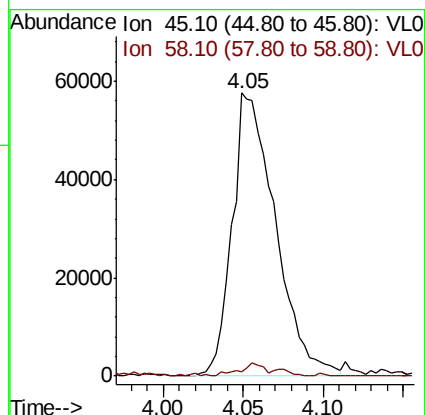
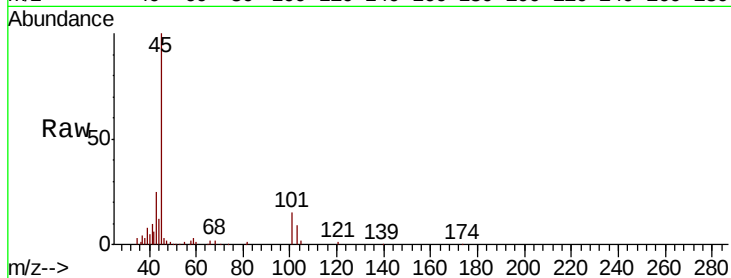
#19
Isopropyl Alcohol
Concen: 1.155 ppbv
RT: 4.05 min Scan# 346
Delta R.T. -0.01 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 106208
Ion Ratio Lower Upper
45 100
58 4.3 2.0 3.0#

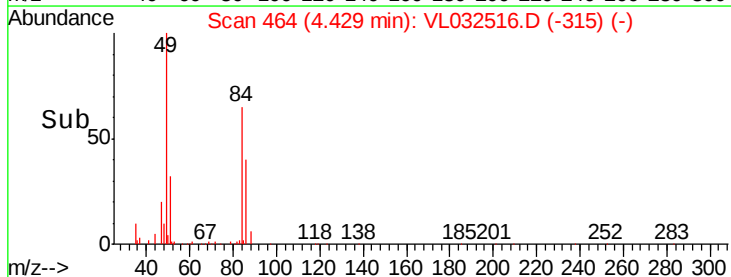
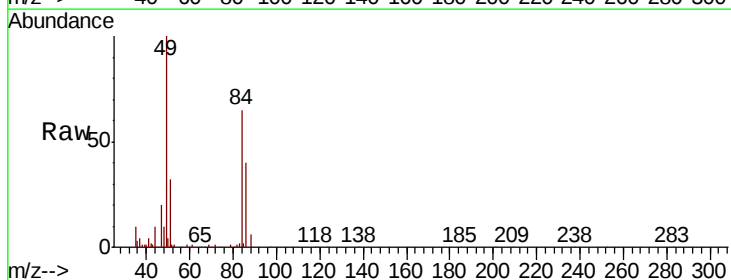
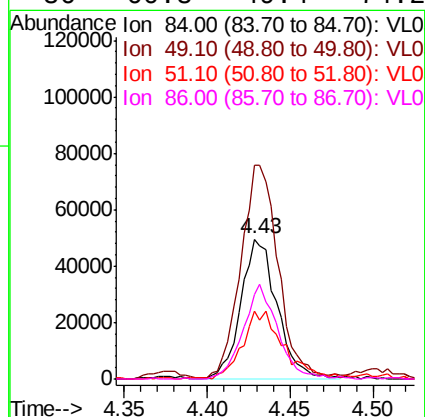
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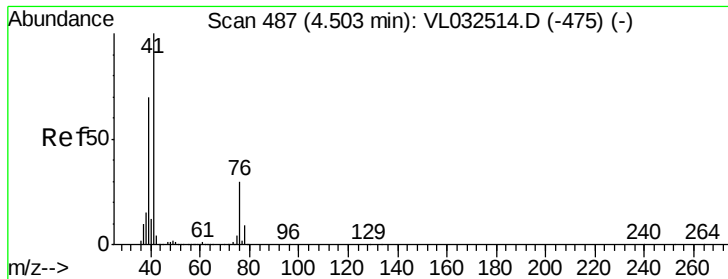
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#20
Methylene Chloride
Concen: 1.412 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Tgt Ion: 84 Resp: 75491
Ion Ratio Lower Upper
84 100
49 151.3 119.1 178.7
51 49.4 35.2 52.8
86 60.8 49.4 74.2





#21

Allvl Chloride

Concen: 1.222 ppbv

RT: 4.50 min Scan# 486

Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

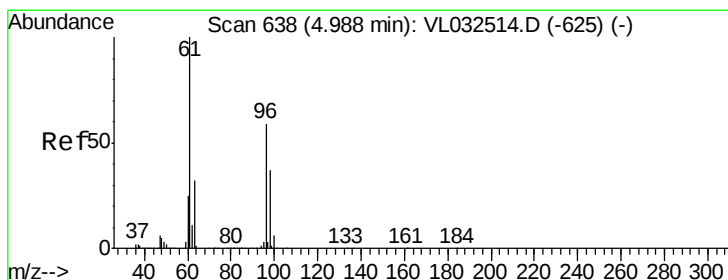
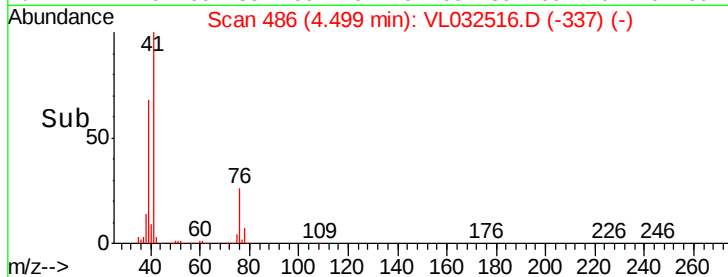
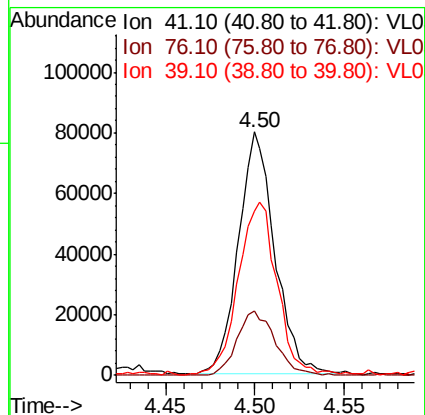
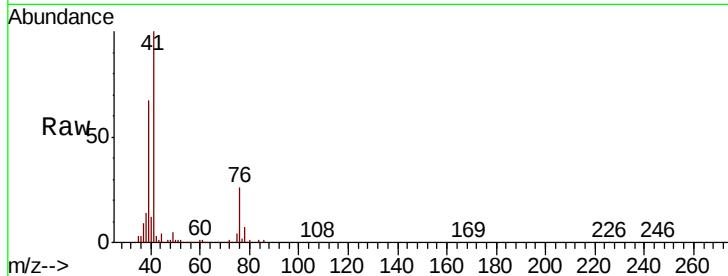
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	113767
Ion Ratio		Lower	Upper
41	100		
76	27.8	23.6	35.4
39	75.9	57.7	86.5

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#22

trans-1,2-Dichloroethene

Concen: 1.066 ppbv

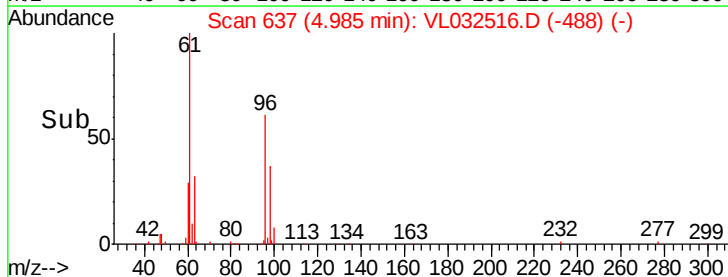
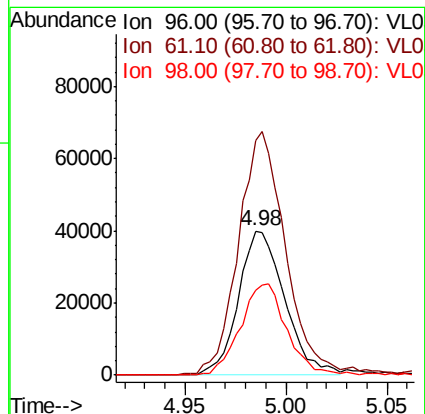
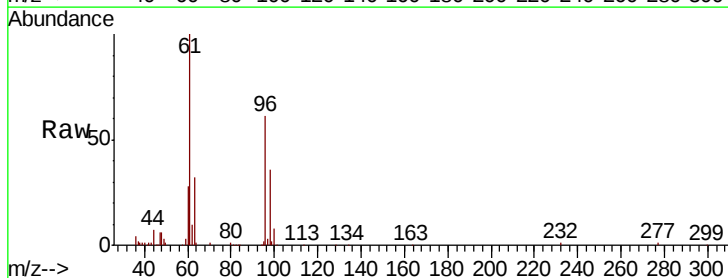
RT: 4.98 min Scan# 637

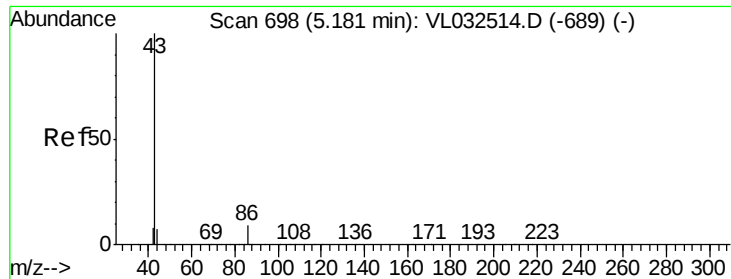
Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Tgt Ion:	96	Resp:	64302
Ion Ratio		Lower	Upper
96	100		
61	161.6	136.2	204.4
98	59.2	50.4	75.6





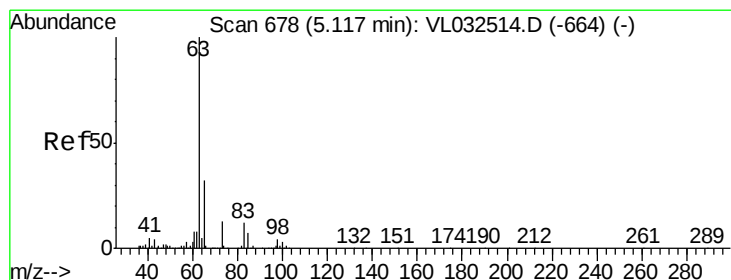
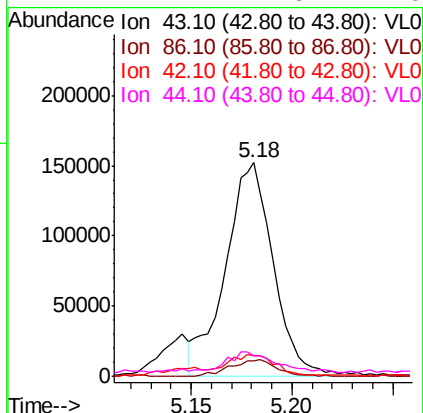
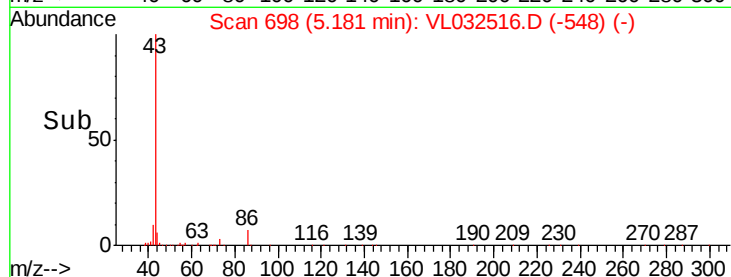
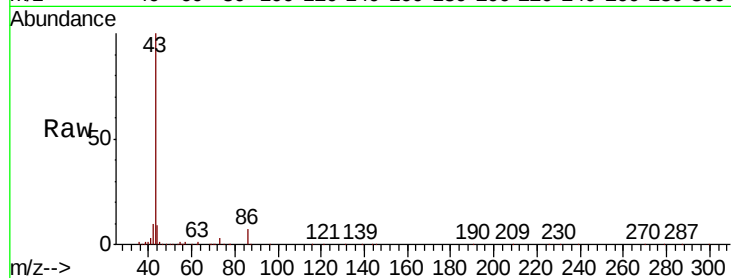
#23
 Vinyl Acetate
 Concen: 1.081 ppbv
 RT: 5.18 min Scan# 698
 Delta R.T. -0.02 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		251301		
86	7.1		5.9	8.9	
42	9.5		6.9	10.3	
44	7.7		4.6	7.0	

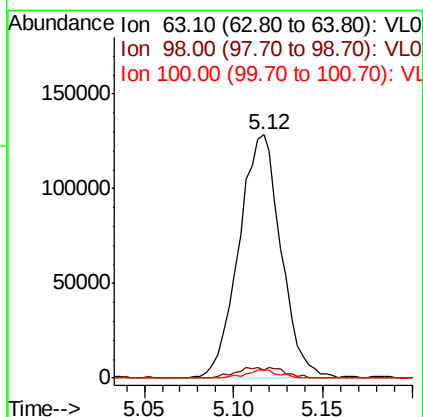
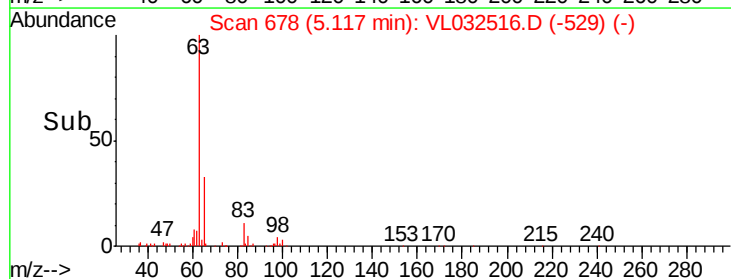
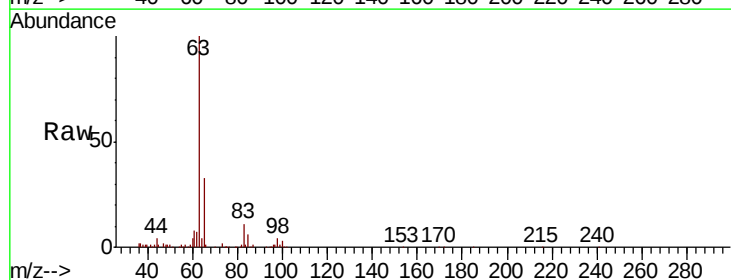
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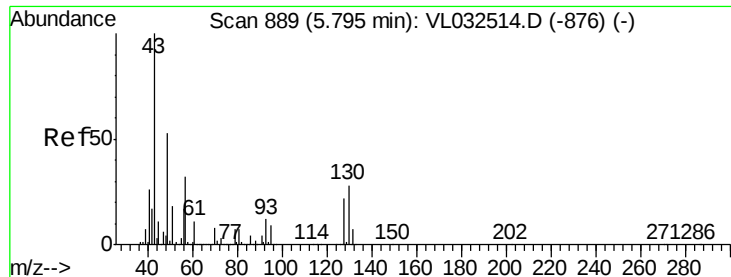
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#24
 1,1-Dichloroethane
 Concen: 1.104 ppbv
 RT: 5.12 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		211353		
98	3.5		2.1	6.5	
100	3.3		1.5	4.4	





#25

Ethyl Acetate

Concen: 1.028 ppbv

RT: 5.80 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

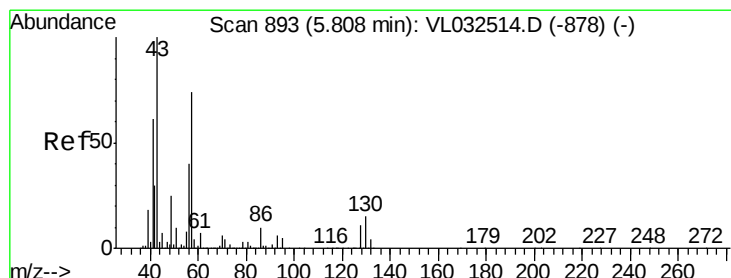
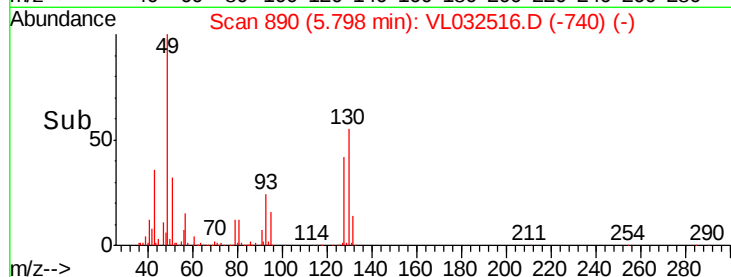
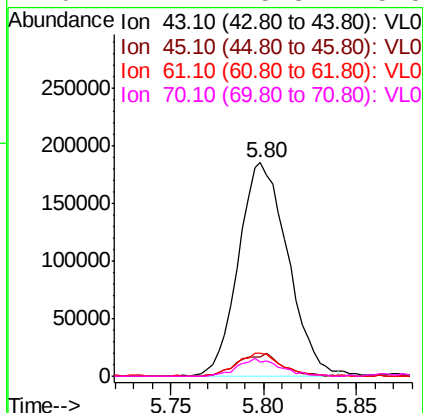
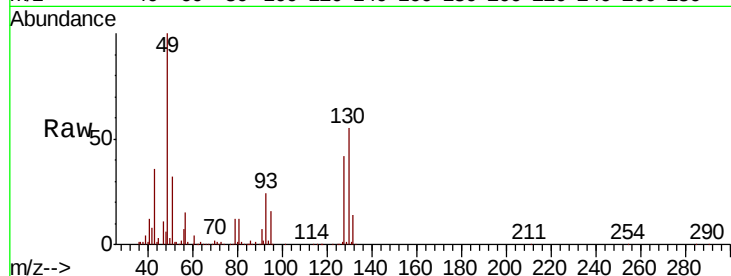
ClientSampled :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.8	8.0	12.0	
61	10.1	7.6	11.4	
70	7.2	5.8	8.8	

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#26

Hexane

Concen: 1.028 ppbv

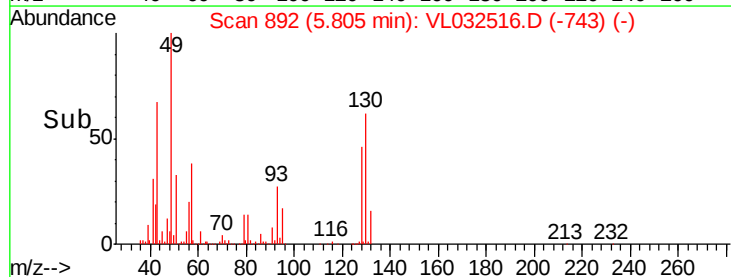
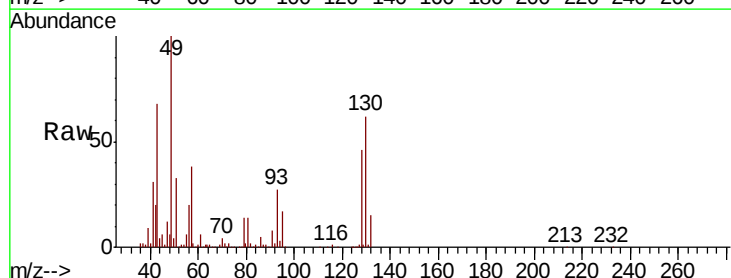
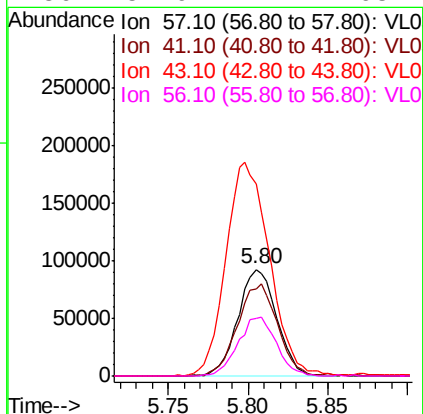
RT: 5.80 min Scan# 892

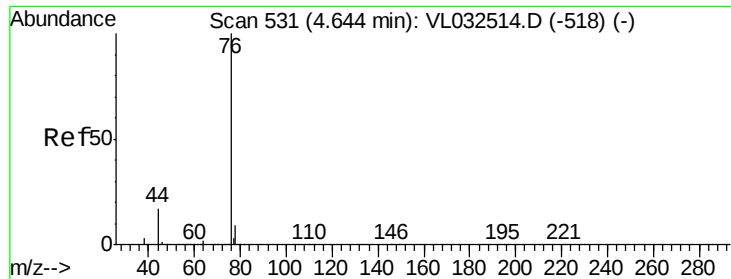
Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	91.1	69.0	103.4	
43	225.2	172.1	258.1	
56	54.9	42.2	63.2	





#27

Carbon Disulfide

Concen: 1.201 ppbv

RT: 4.64 min Scan# 531

Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

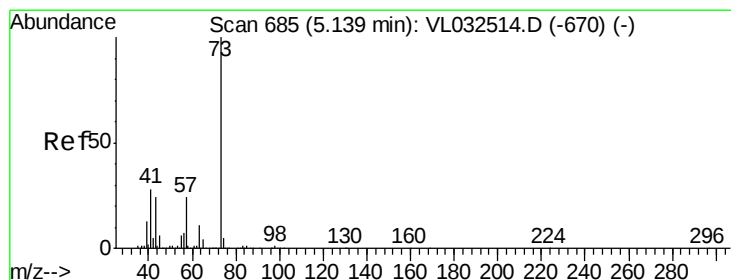
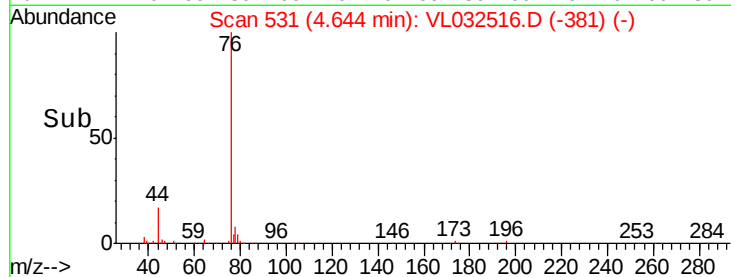
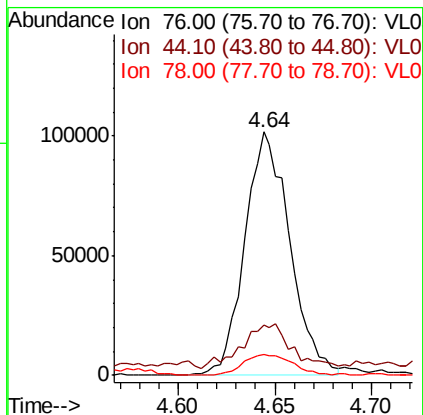
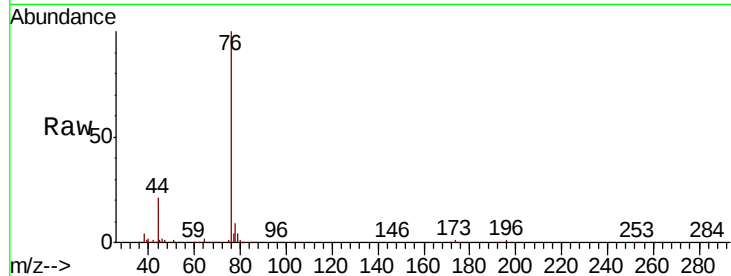
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	164426
Ion Ratio	Lower	Upper	
76	100		
44	24.8	14.0	21.0#
78	10.1	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 1.063 ppbv

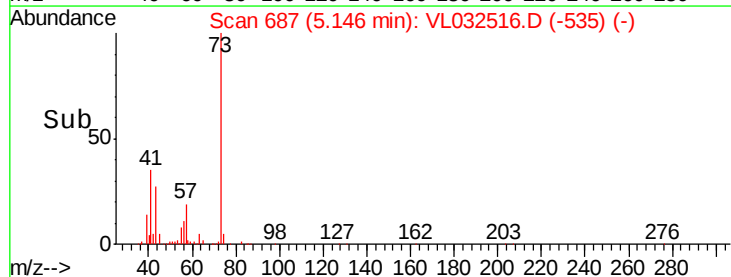
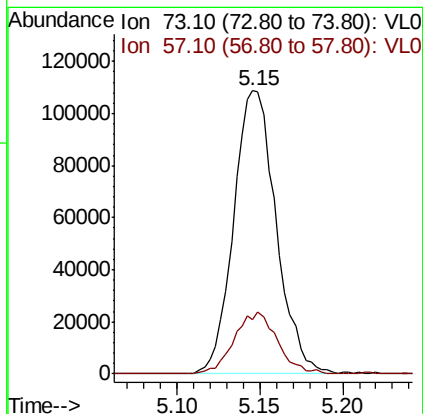
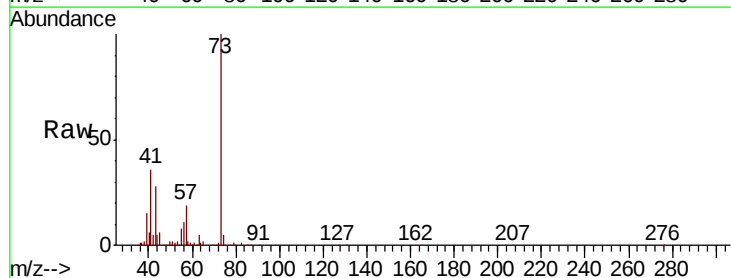
RT: 5.15 min Scan# 687

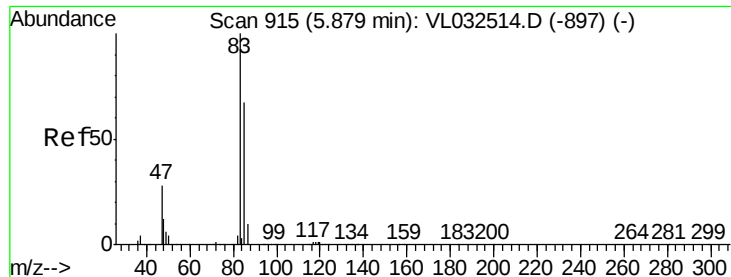
Delta R.T. -0.01 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Tgt Ion:	73	Resp:	193531
Ion Ratio	Lower	Upper	
73	100		
57	22.2	19.3	28.9





#29

Chloroform

Concen: 1.074 ppbv

RT: 5.87 min Scan# 912

Delta R.T. -0.03 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 242701

Ion Ratio Lower Upper

83 100

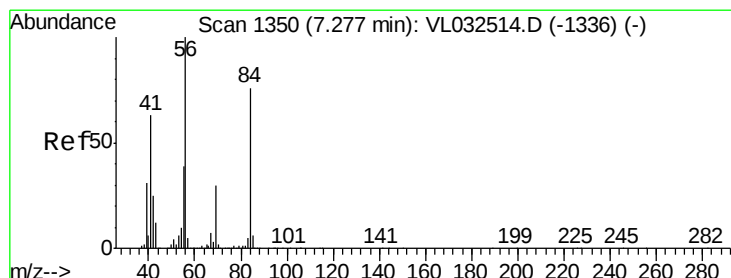
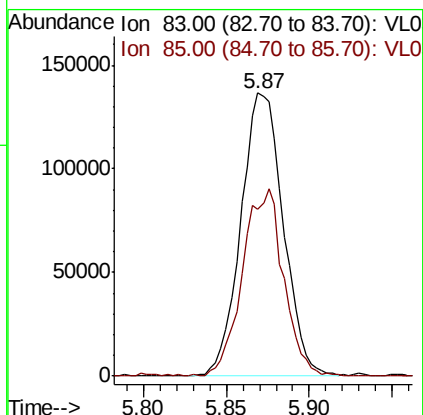
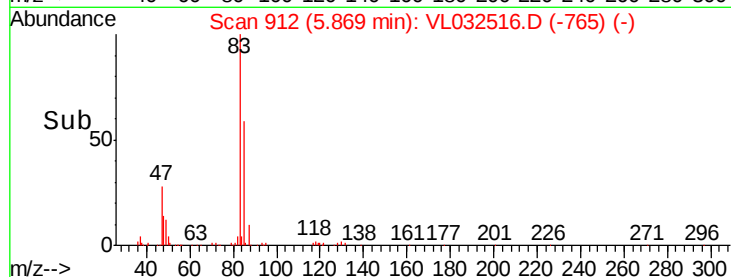
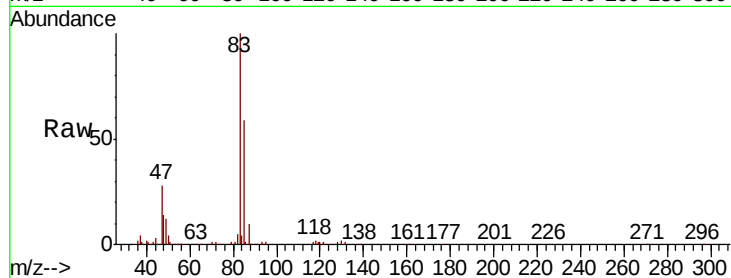
85 58.4 52.5 78.7

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#30

Cyclohexane

Concen: 1.139 ppbv m

RT: 7.27 min Scan# 1349

Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

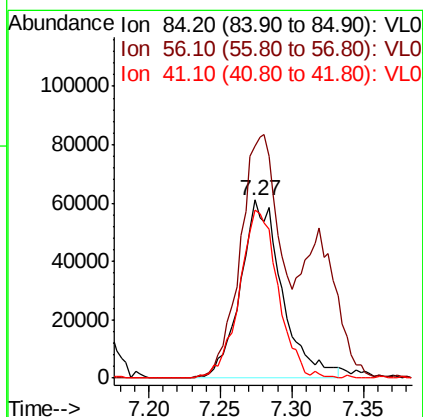
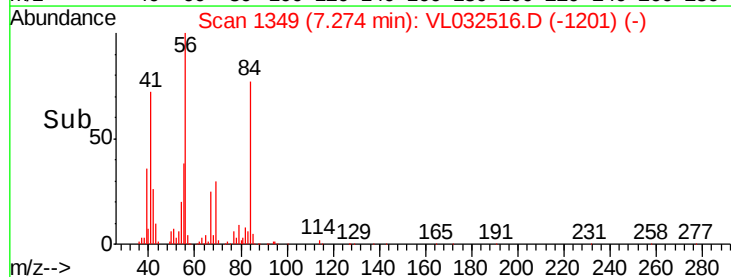
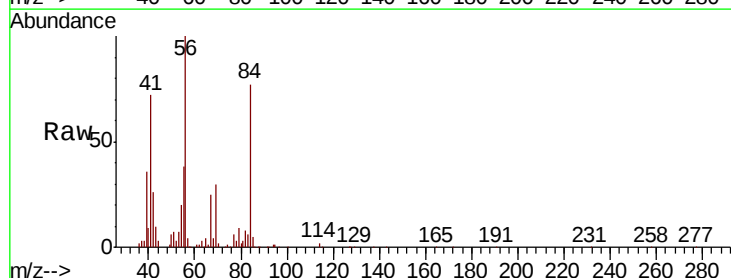
Tgt Ion: 84 Resp: 123633

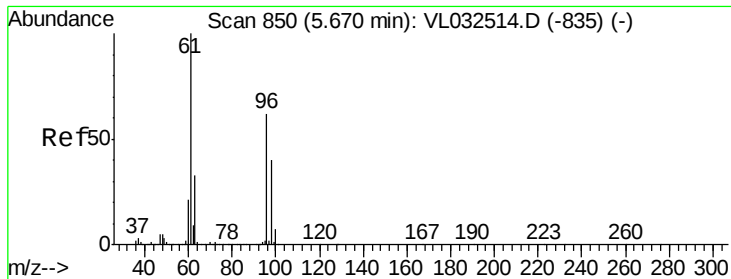
Ion Ratio Lower Upper

84 100

56 0.0 113.5 170.3#

41 88.4 68.1 102.1





#31

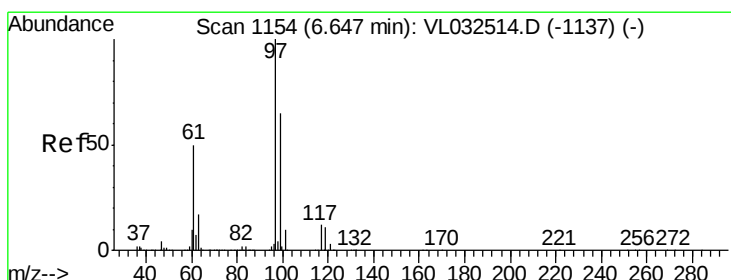
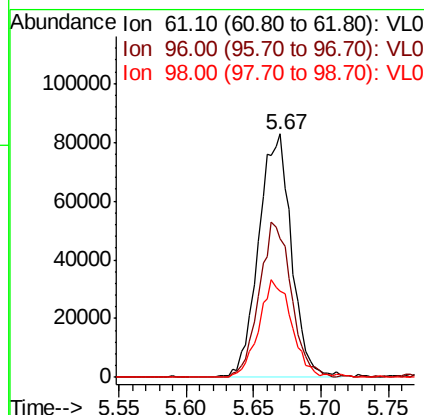
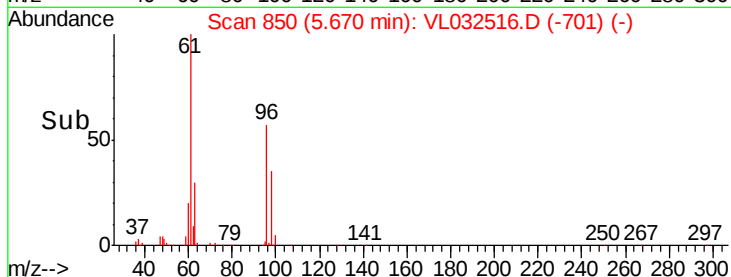
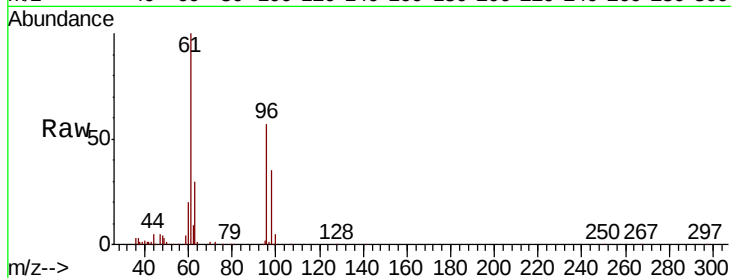
cis-1,2-Dichloroethene
 Concen: 1.043 ppbv m
 RT: 5.67 min Scan# 850
 Delta R.T. -0.02 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	57.1	49.2	73.8
98	35.2	30.7	46.1

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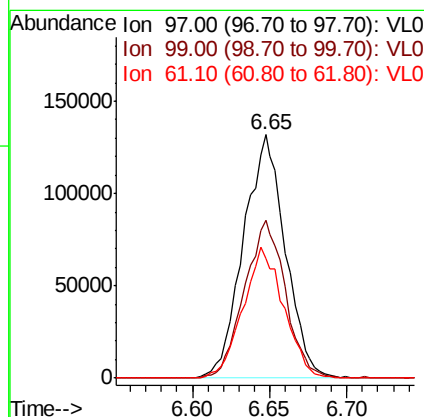
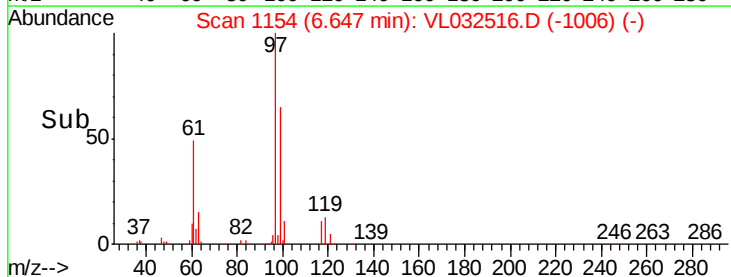
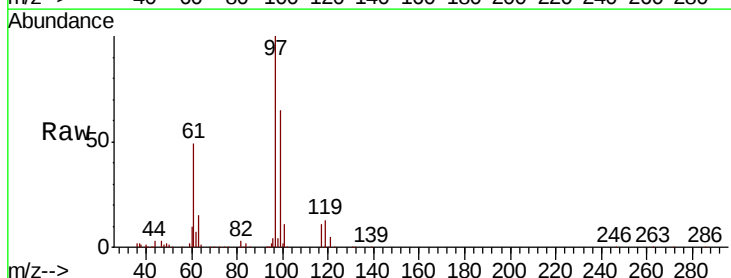
apatel
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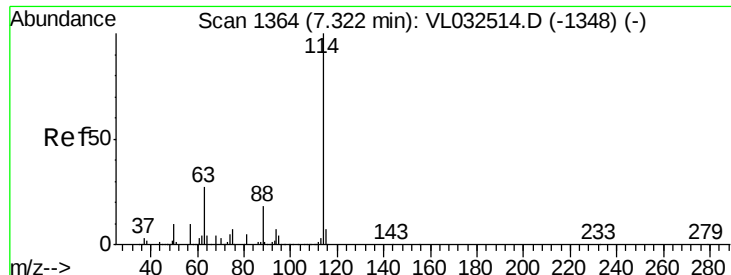


#32

1,1,1-Trichloroethane
 Concen: 1.175 ppbv
 RT: 6.65 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.1	78.1
61	52.4	42.5	63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.32 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:114 Resp: 3650412

Ion Ratio Lower Upper

114 100

63 27.4 22.2 33.4

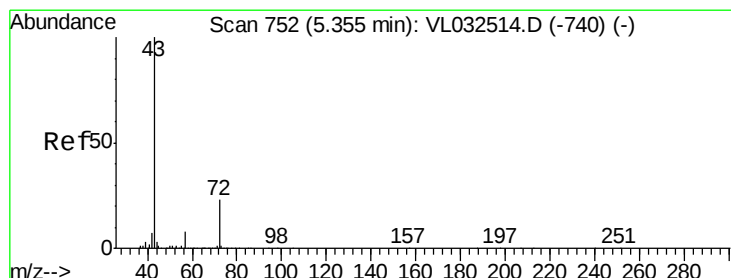
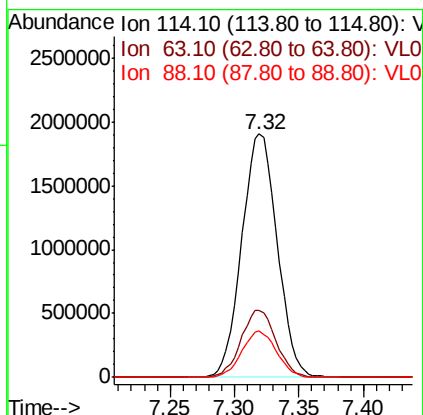
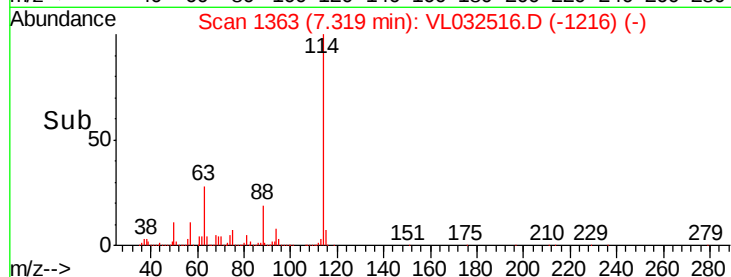
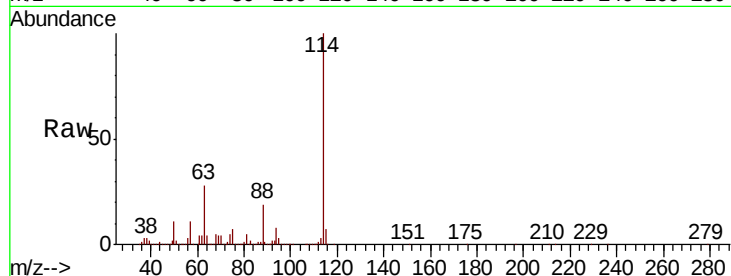
88 18.7 15.0 22.4

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#34

2-Butanone

Concen: 0.910 ppbv

RT: 5.36 min Scan# 753

Delta R.T. -0.01 min

Lab File: VL032516.D

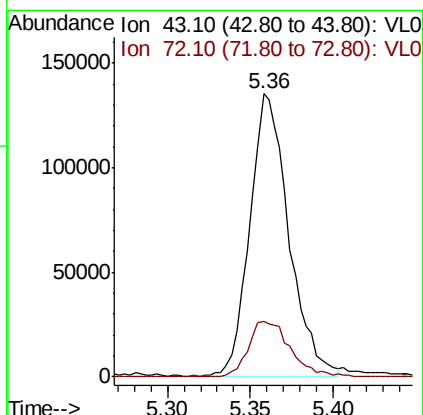
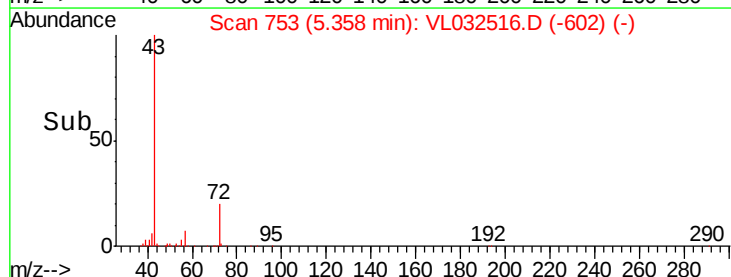
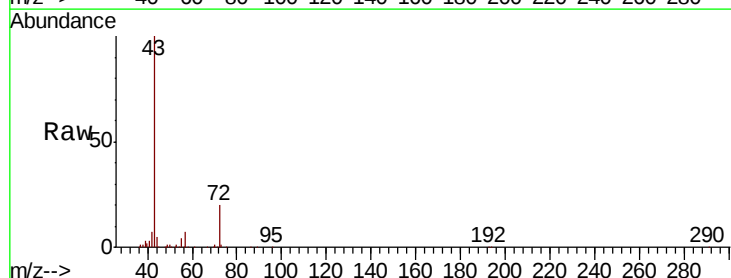
Acq: 24 Sep 2018 17:45

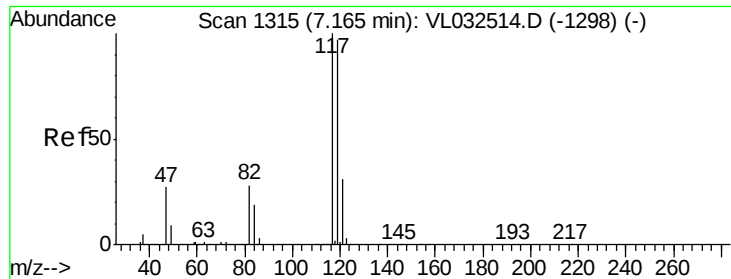
Tgt Ion: 43 Resp: 220639

Ion Ratio Lower Upper

43 100

72 21.7 17.8 26.6





#35

Carbon Tetrachloride

Concen: 1.019 ppbv

RT: 7.16 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

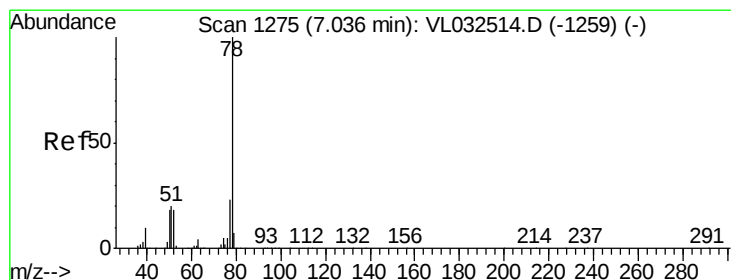
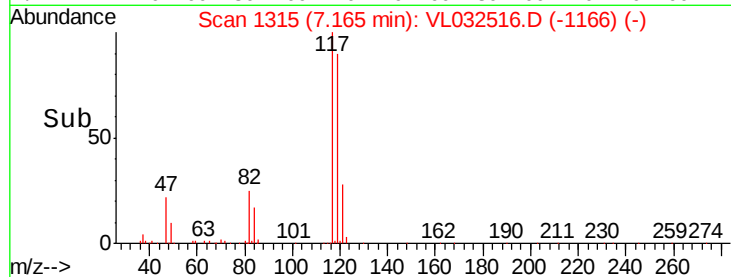
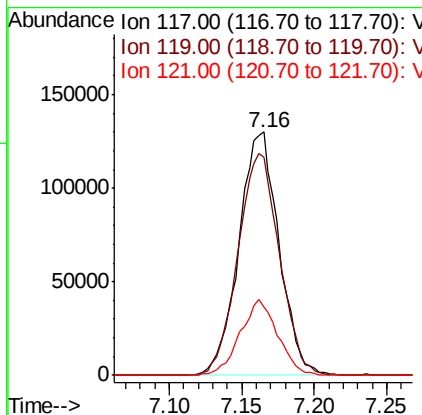
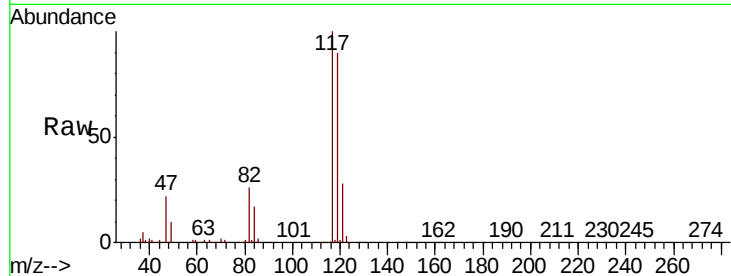
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	249918
Ion Ratio		Lower	Upper
117	100		
119	89.7	76.6	115.0
121	27.8	24.6	36.8

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#36

Benzene

Concen: 0.981 ppbv

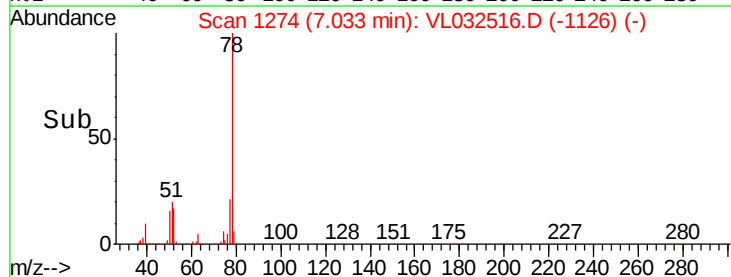
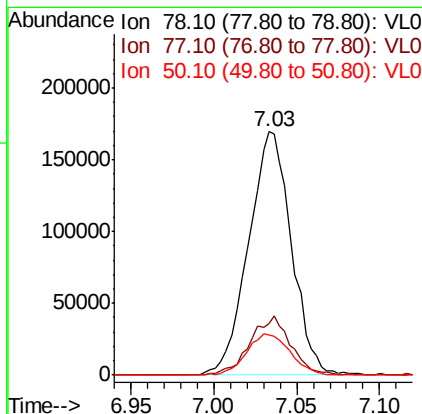
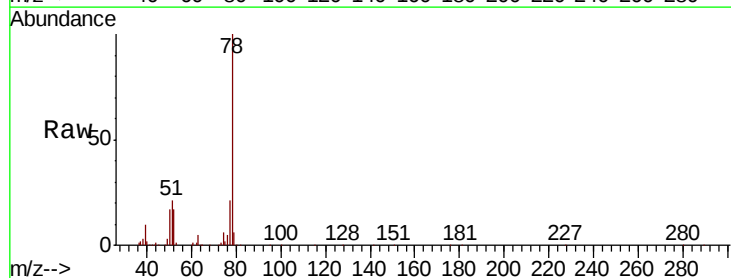
RT: 7.03 min Scan# 1274

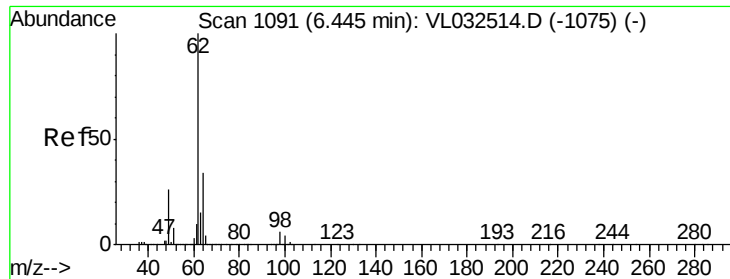
Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Tgt Ion:	78	Resp:	304618
Ion Ratio		Lower	Upper
78	100		
77	21.4	18.4	27.6
50	16.4	14.4	21.6





#37

1,2-Dichloroethane

Concen: 0.979 ppbv

RT: 6.44 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

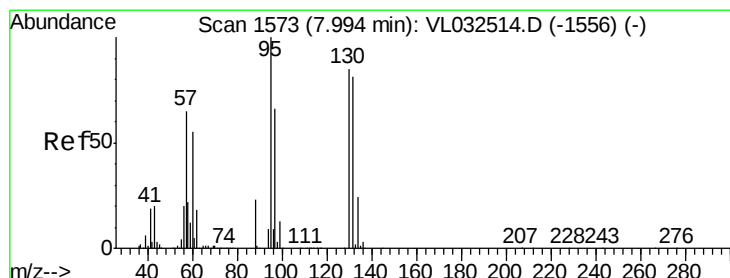
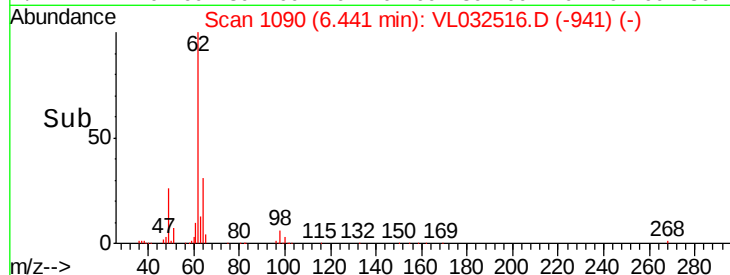
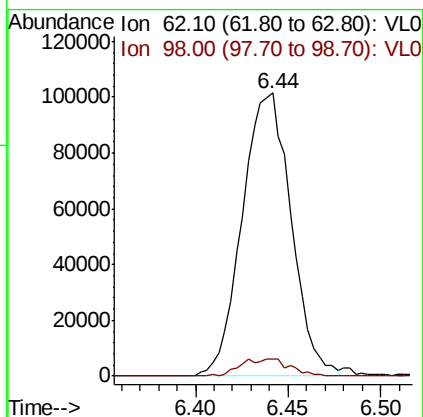
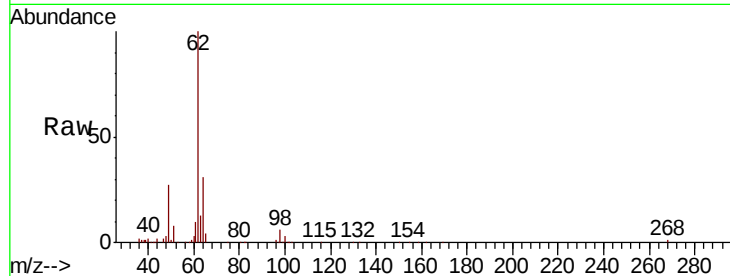
VSTDIC001

Tot Ion:	62	Resp:	186411
Ion Ratio	Lower	Upper	
62	100		
98	6.5	5.0	7.6

Manual Integrations
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#38

Trichloroethene

Concen: 0.955 ppbv

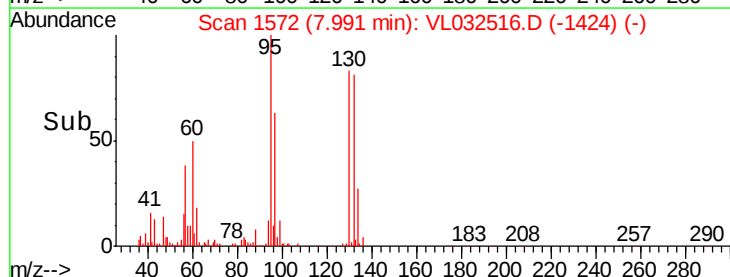
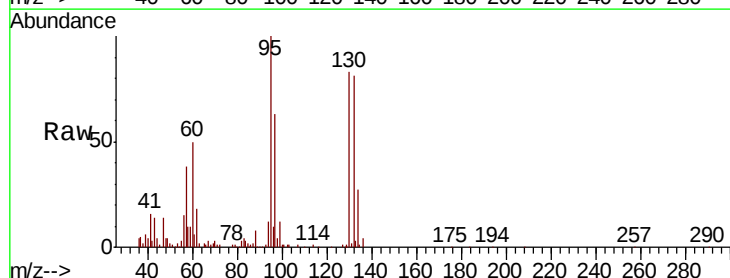
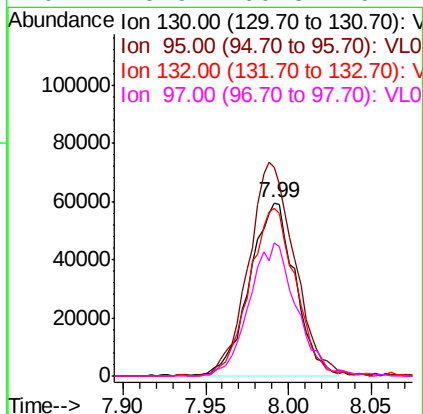
RT: 7.99 min Scan# 1572

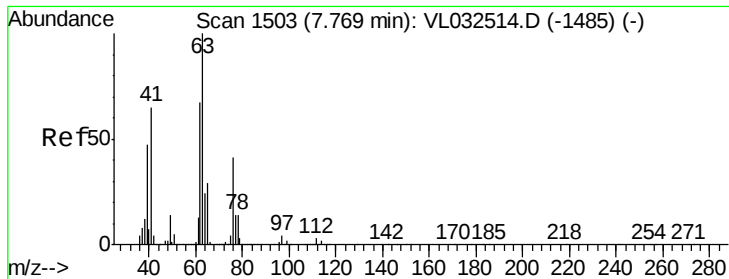
Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Tgt Ion:	130	Resp:	112719
Ion Ratio	Lower	Upper	
130	100		
95	120.2	94.2	141.4
132	97.6	76.2	114.4
97	76.9	60.8	91.2





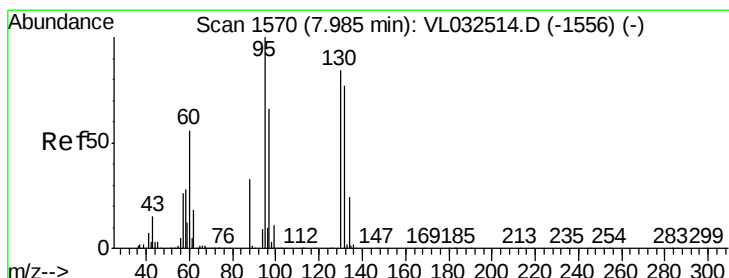
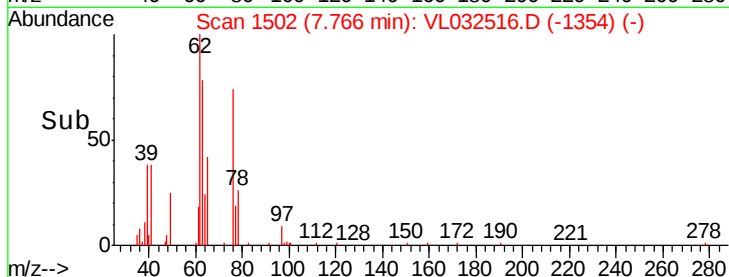
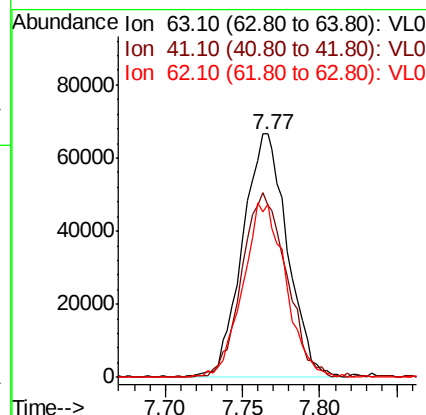
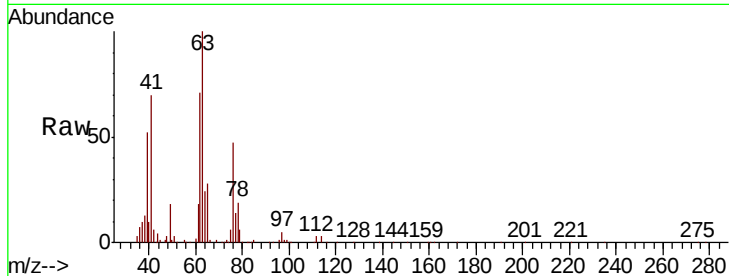
#39
 1,2-Dichloropropane
 Concen: 1.008 ppbv
 RT: 7.77 min Scan# 1502
 Delta R.T. -0.02 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
63	100	134006		
41	70.5		55.4	83.0
62	70.2		55.4	83.0

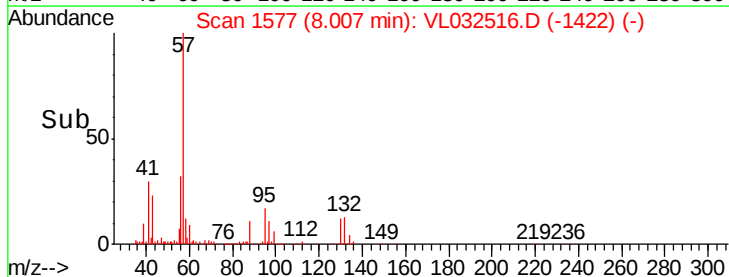
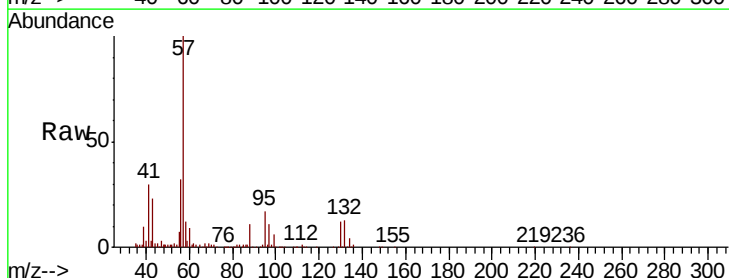
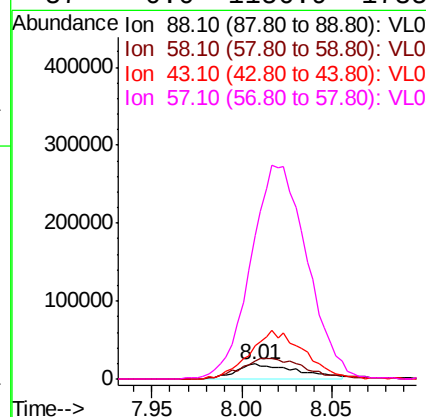
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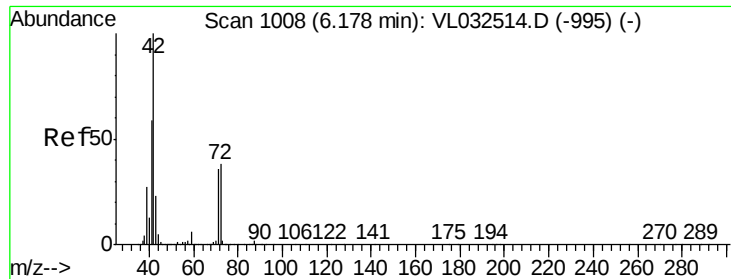
apatel
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#40
 1,4-Dioxane
 Concen: 1.143 ppbv m
 RT: 8.01 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	45585		
58	0.0		119.7	179.5#
43	0.0		253.0	379.4#
57	0.0		1156.9	1735.3#





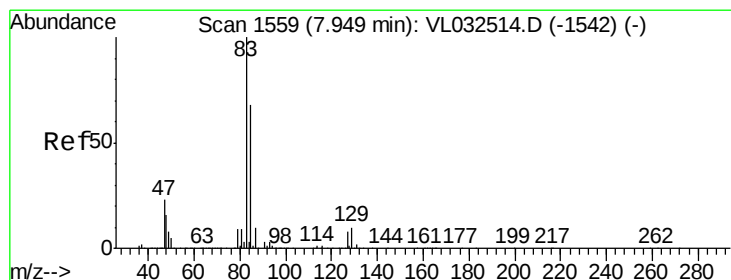
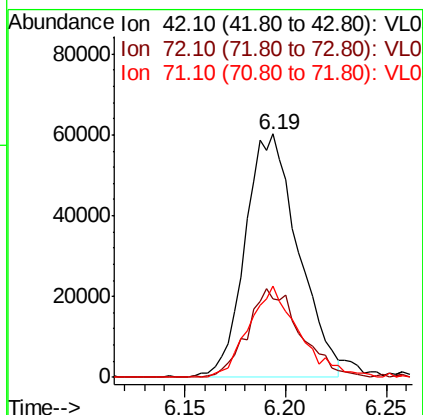
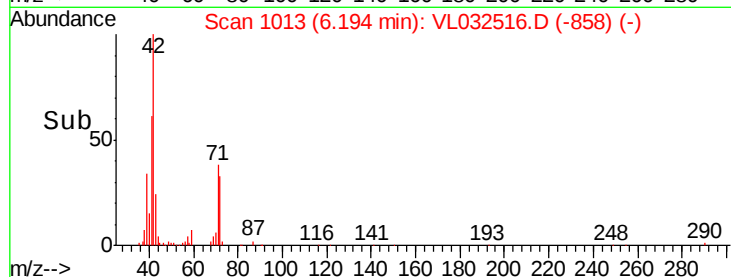
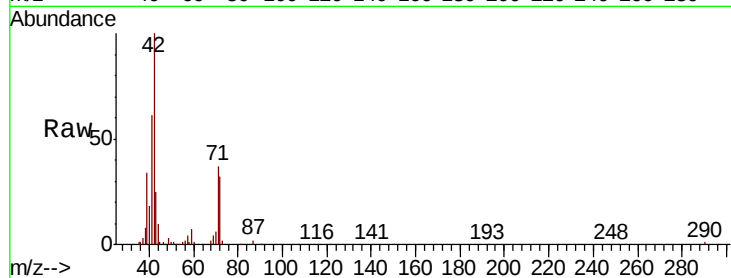
#41
Tetrahydrofuran
Concen: 0.830 ppbv
RT: 6.19 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	29.5	44.3
71	36.3	28.3	42.5

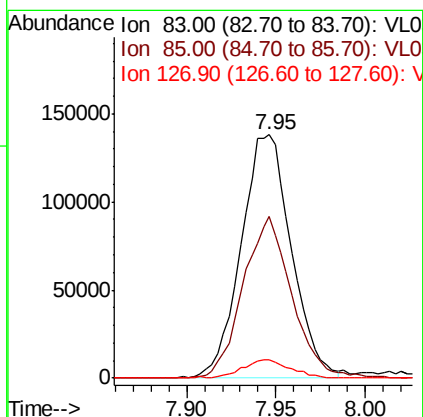
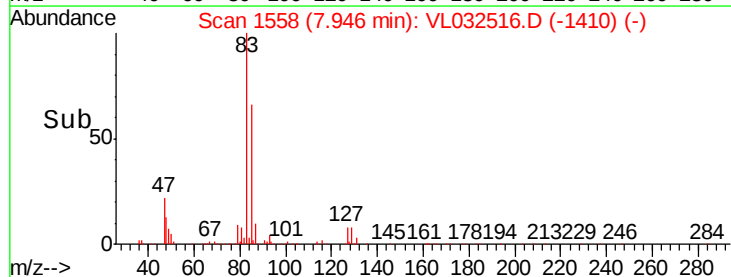
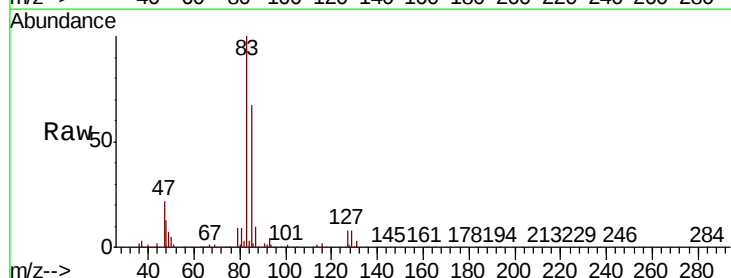
Manual Integrations
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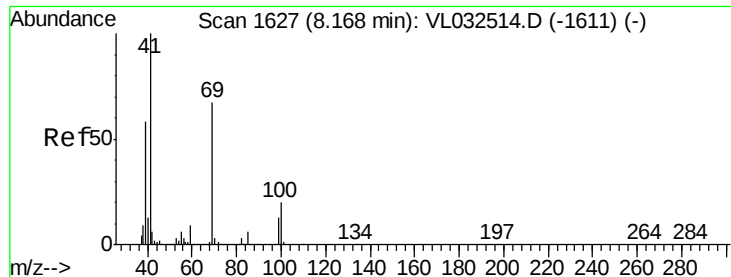
apatel
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#42
Bromodichloromethane
Concen: 1.030 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.02 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.1	76.7
127	7.7	5.8	8.8





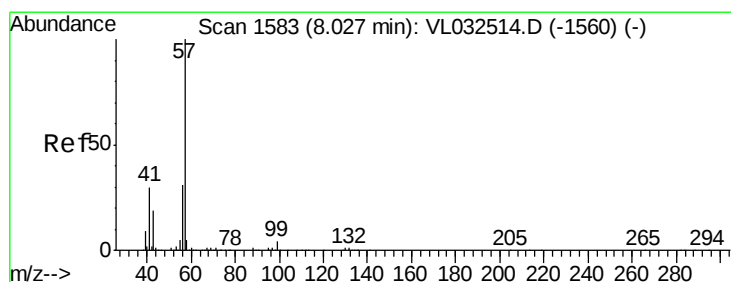
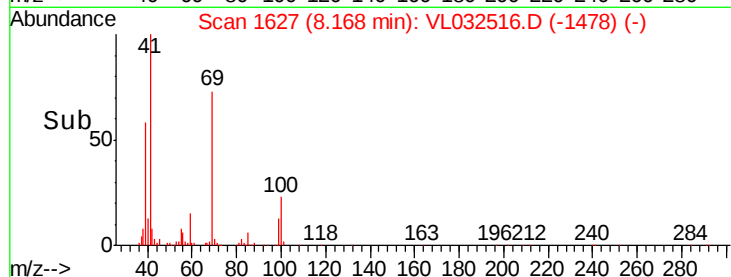
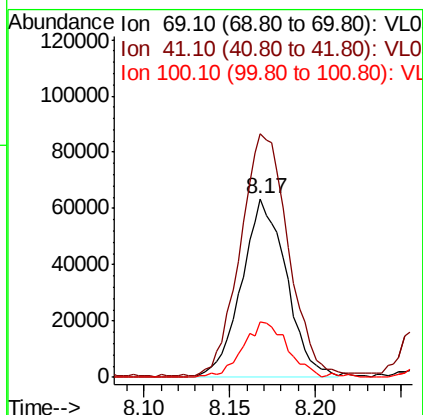
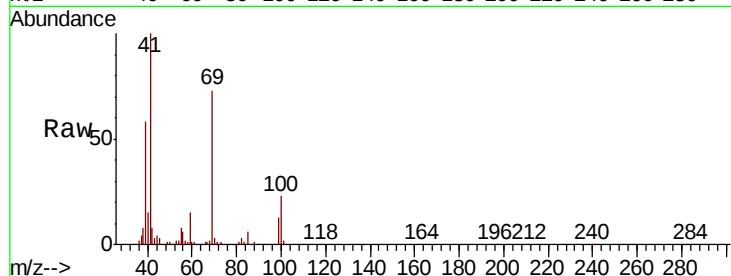
#43
Methvl Methacrilate
Concen: 0.870 ppbv
RT: 8.17 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	147.1	117.1	175.7
100	31.3	23.4	35.2

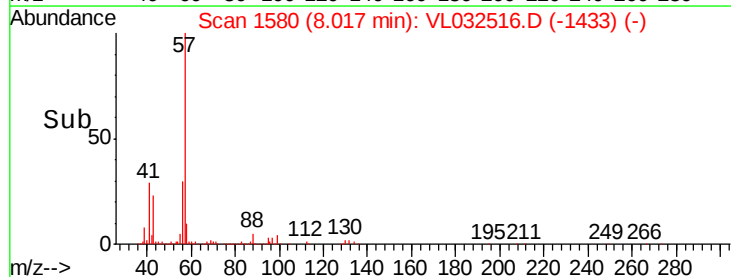
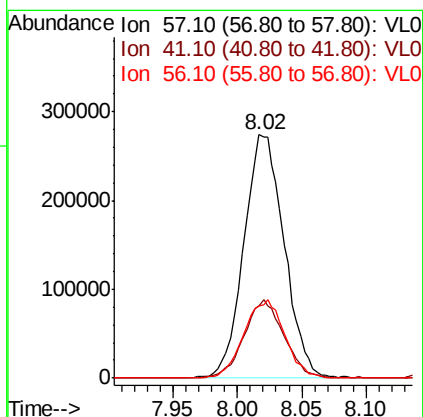
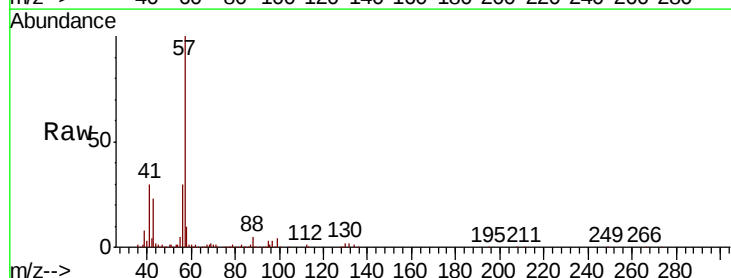
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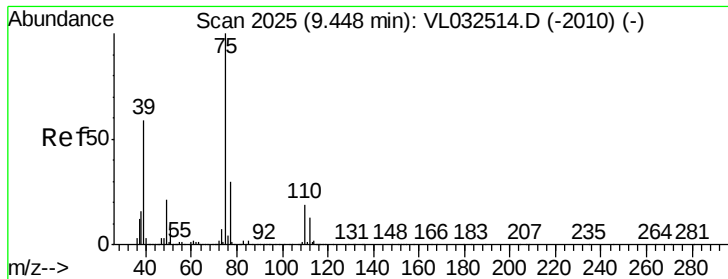
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#44
2,2,4-Trimethylpentane
Concen: 0.994 ppbv
RT: 8.02 min Scan# 1580
Delta R.T. -0.03 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.1	24.4	36.6
56	32.7	25.7	38.5





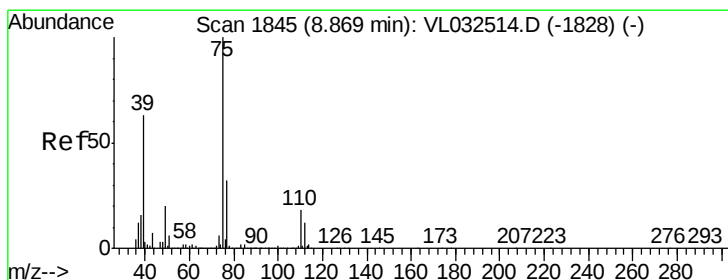
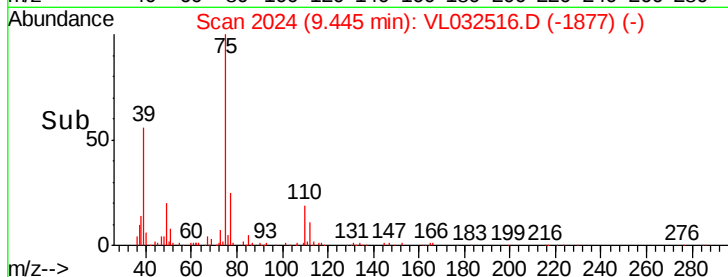
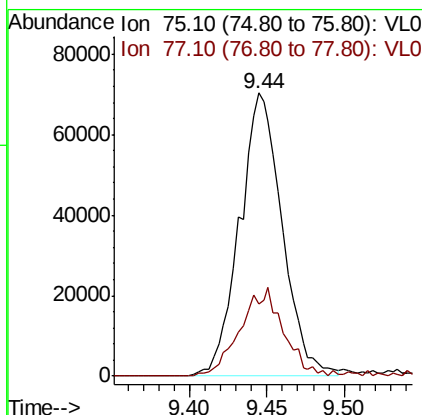
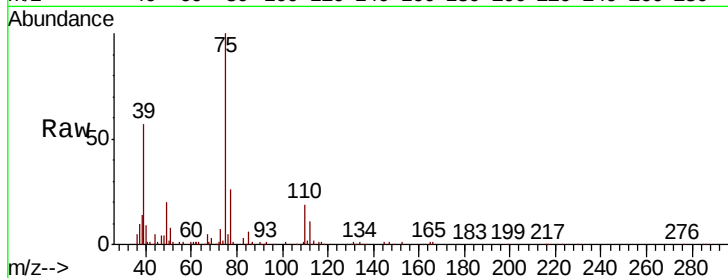
#45
t-1,3-Dichloropropene
Concen: 0.954 ppbv
RT: 9.44 min Scan# 2024
Delta R.T. -0.03 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 134590
Ion Ratio Lower Upper
75 100
77 25.6 26.2 39.2#

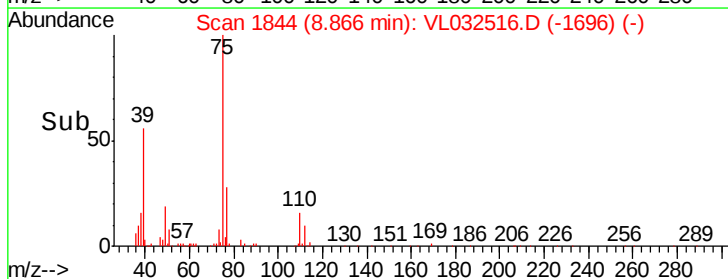
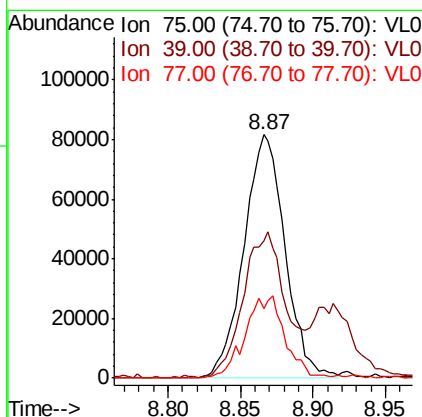
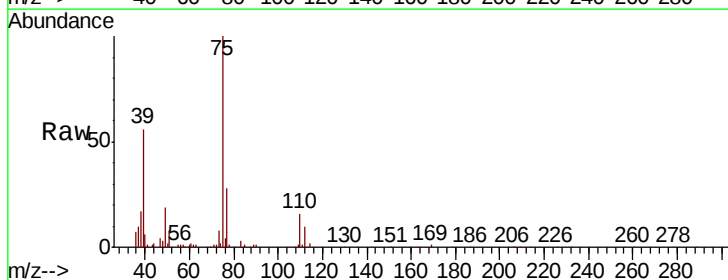
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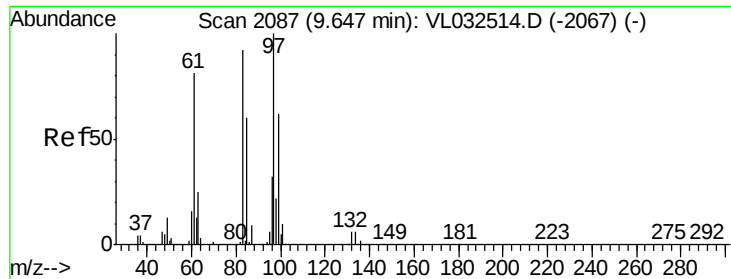
apatel
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#46
cis-1,3-Dichloropropene
Concen: 0.892 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.02 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Tgt Ion: 75 Resp: 160770
Ion Ratio Lower Upper
75 100
39 55.6 48.9 73.3
77 28.3 25.4 38.0





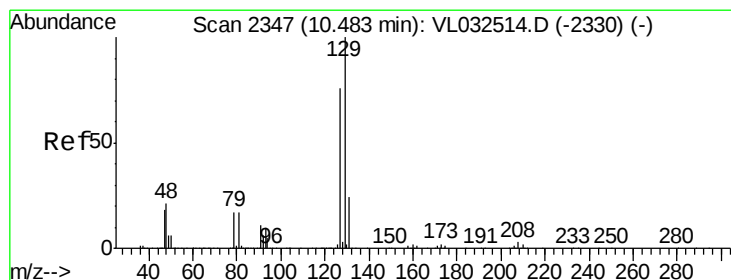
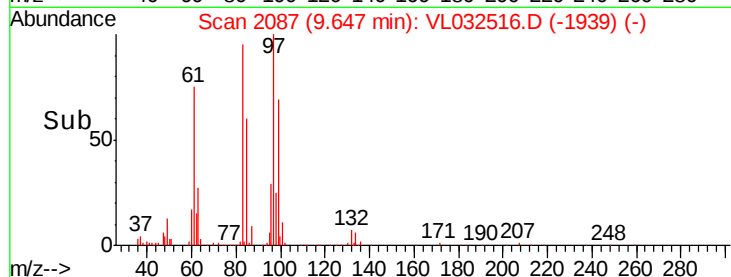
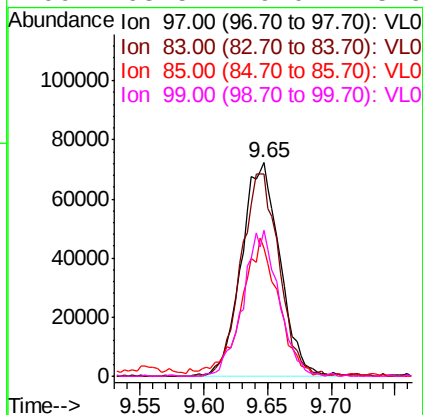
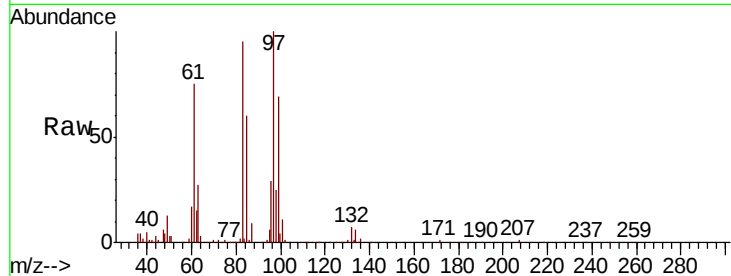
#47
 1,1,2-Trichloroethane
 Concen: 1.075 ppbv m
 RT: 9.65 min Scan# 2087
 Delta R.T. -0.02 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		151879		
83	94.6	75.0	112.4		
85	60.1	47.5	71.3		
99	68.5	49.0	73.6		

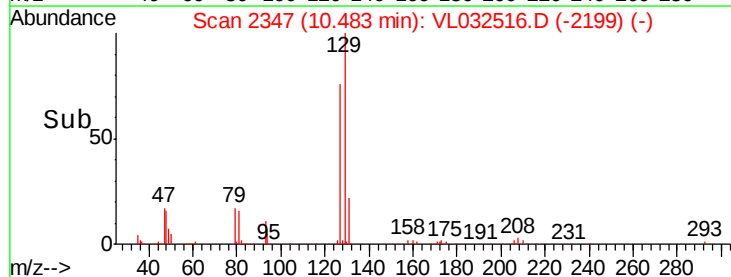
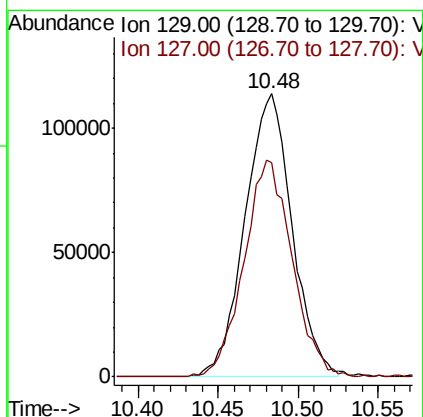
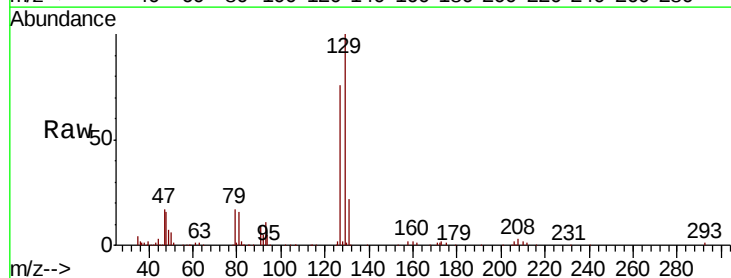
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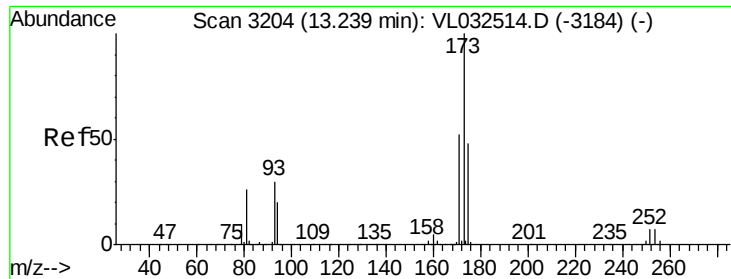
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#48
 Dibromochloromethane
 Concen: 1.177 ppbv
 RT: 10.48 min Scan# 2347
 Delta R.T. -0.02 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		230440		
127	79.0	39.5	118.3		





#49

Bromoform

Concen: 1.029 ppbv m

RT: 13.24 min Scan# 3203

Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

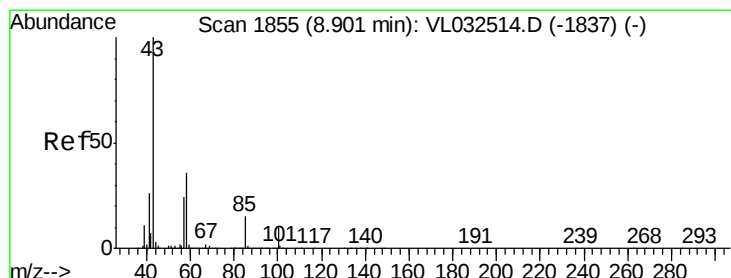
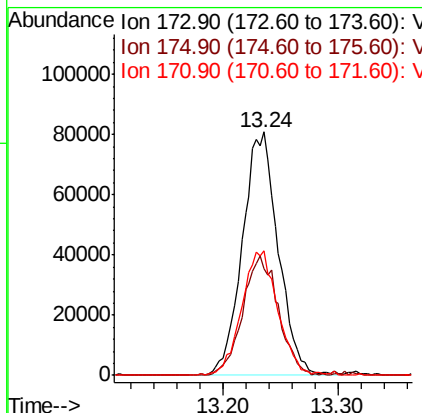
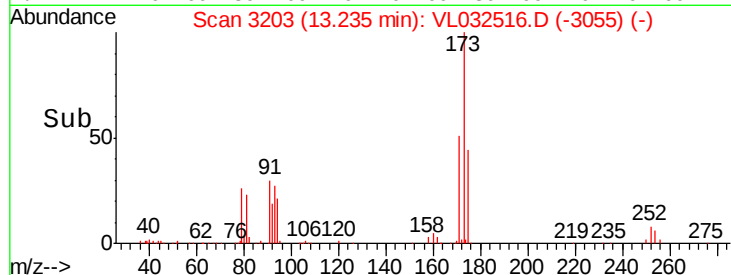
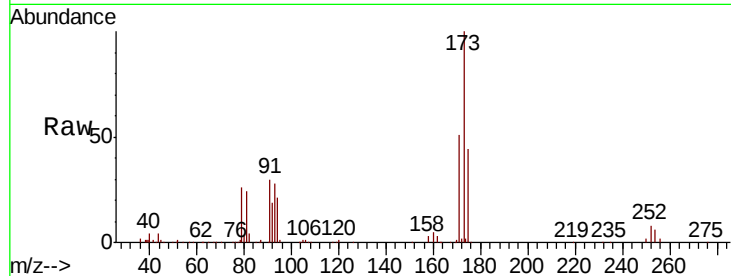
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	175102
Ion Ratio	Lower	Upper	
173	100		
175	0.0	38.9	58.3#
171	0.0	41.6	62.4#

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.932 ppbv

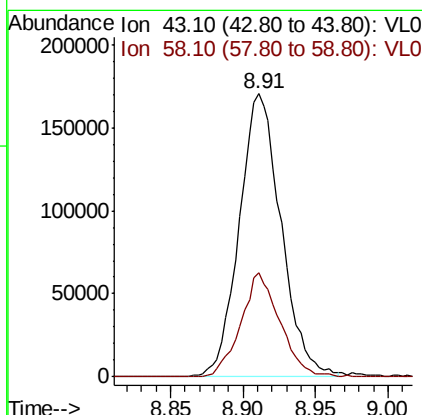
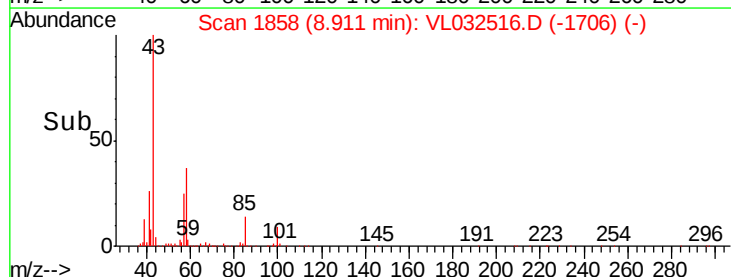
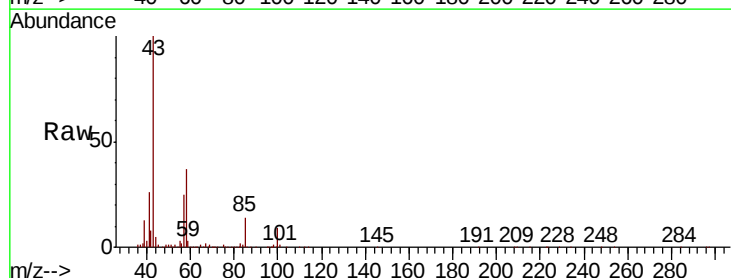
RT: 8.91 min Scan# 1858

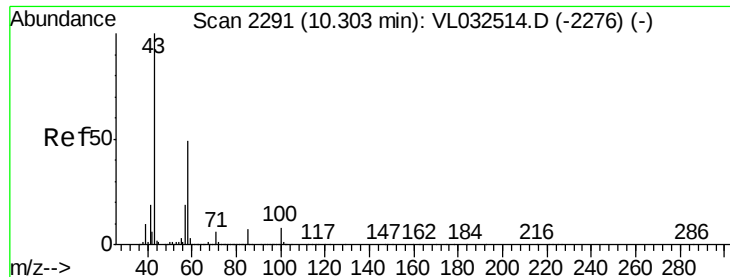
Delta R.T. -0.01 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Tgt Ion:	43	Resp:	340488
Ion Ratio	Lower	Upper	
43	100		
58	34.6	29.0	43.4





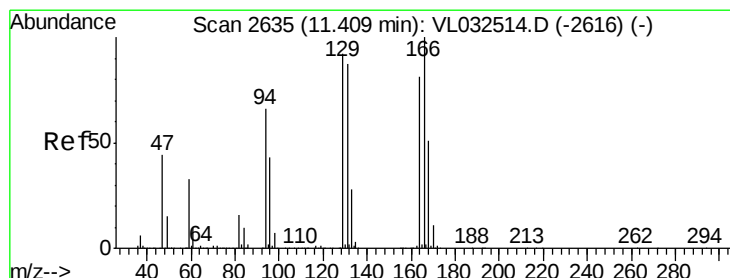
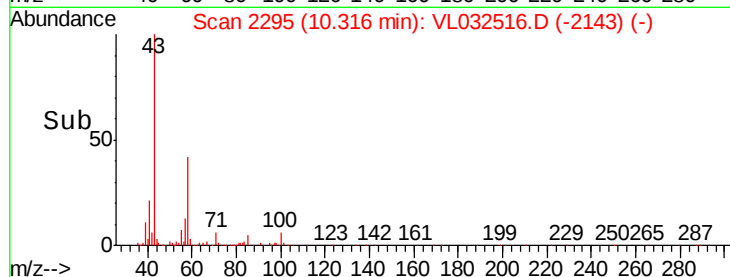
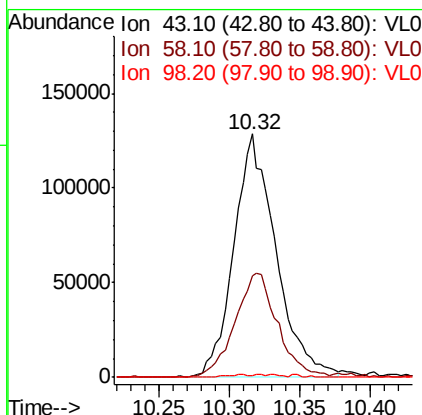
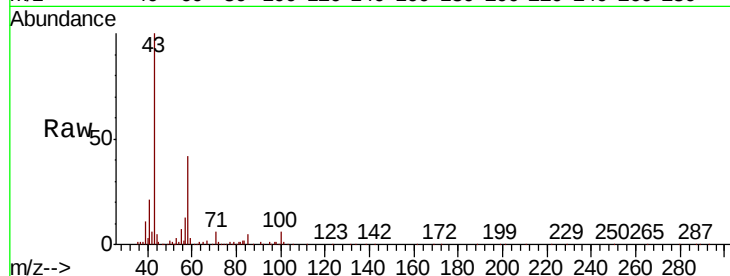
#51
2-Hexanone
Concen: 1.144 ppbv
RT: 10.32 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.1	39.2	58.8
98	1.7	0.4	0.6

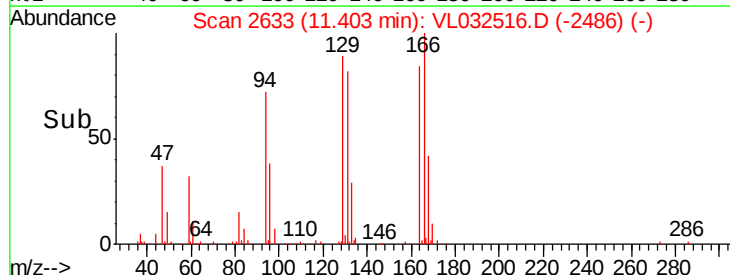
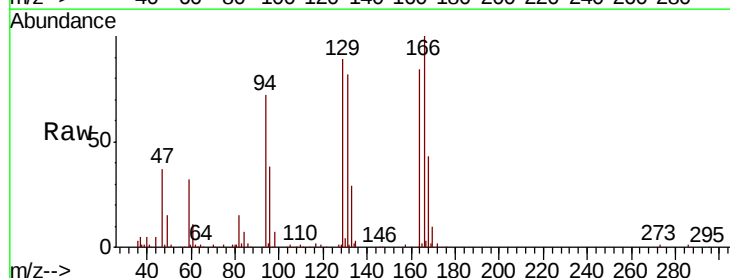
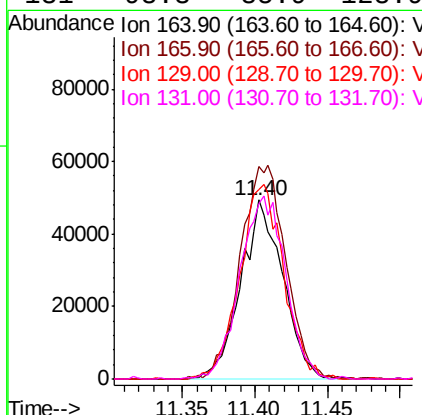
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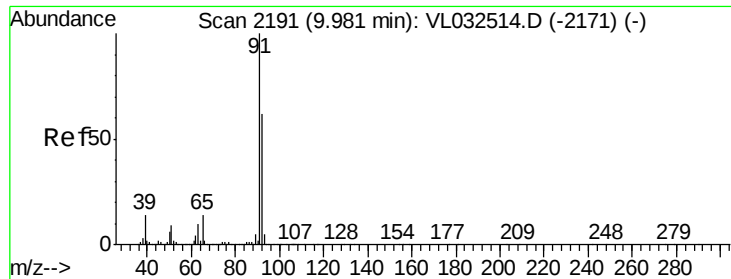
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#52
Tetrachloroethene
Concen: 1.029 ppbv
RT: 11.40 min Scan# 2633
Delta R.T. -0.03 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.7	100.6	150.8
129	106.0	89.9	134.9
131	98.3	85.9	128.9





#53

Toluene

Concen: 1.037 ppbv

RT: 9.98 min Scan# 2189

Delta R.T. -0.03 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 336600

Ion Ratio Lower Upper

91 100

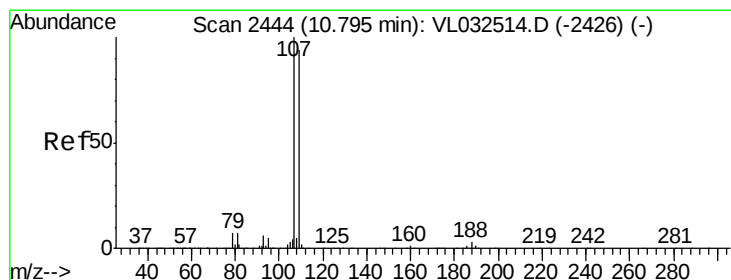
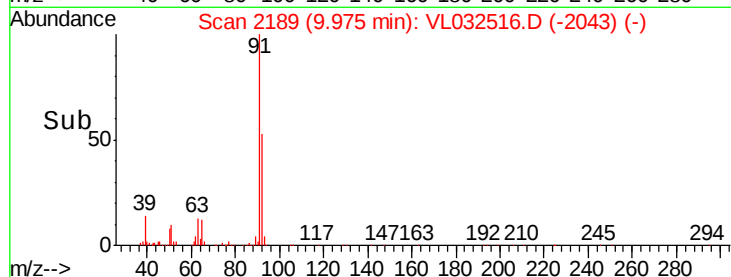
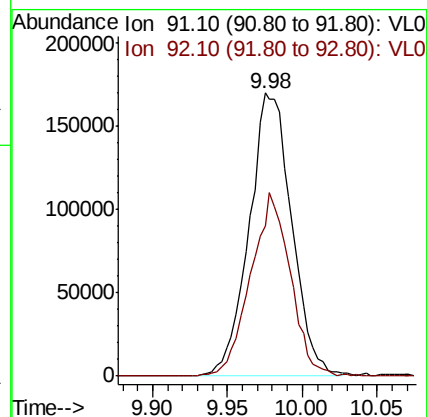
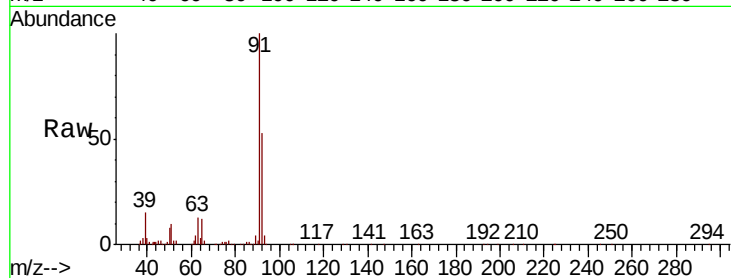
92 60.4 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 1.093 ppbv

RT: 10.79 min Scan# 2442

Delta R.T. -0.03 min

Lab File: VL032516.D

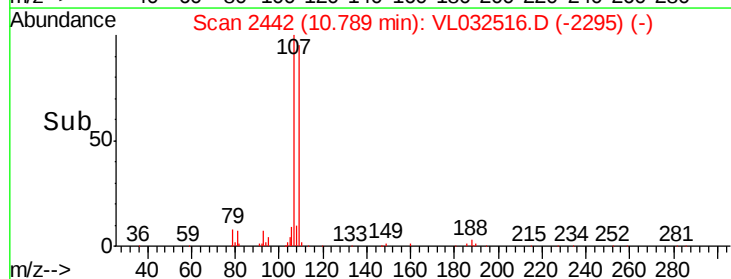
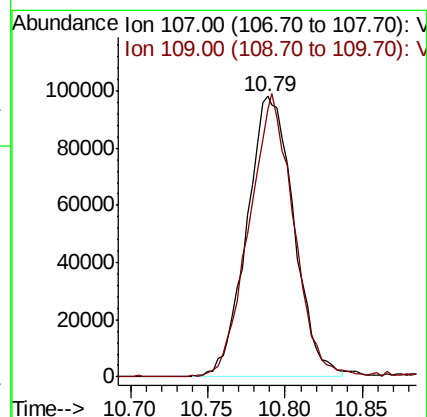
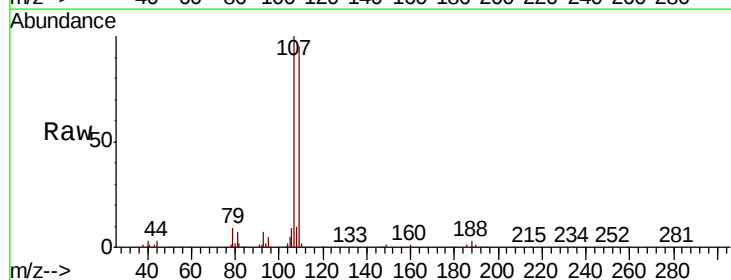
Acq: 24 Sep 2018 17:45

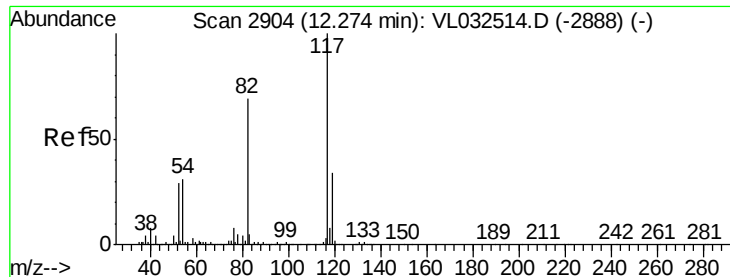
Tgt Ion: 107 Resp: 207291

Ion Ratio Lower Upper

107 100

109 95.0 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2904

Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 3571844

Ion Ratio Lower Upper

117 100

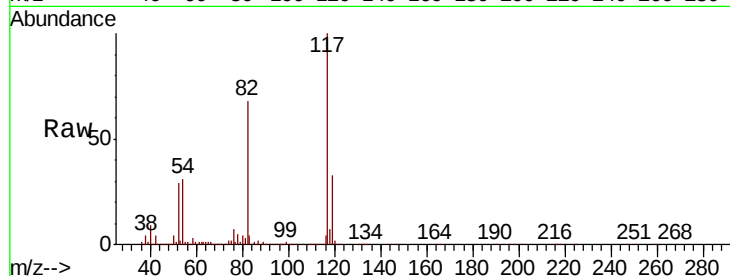
82 66.5 53.0 79.6

119 34.8 45.9 68.9#

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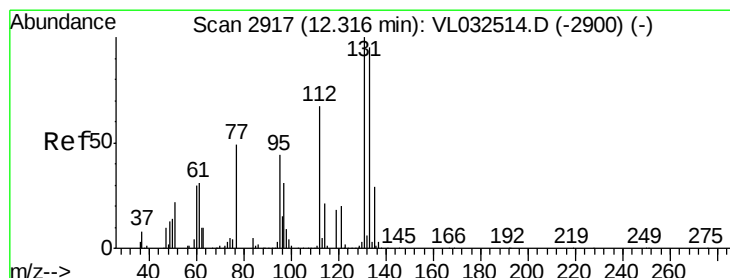
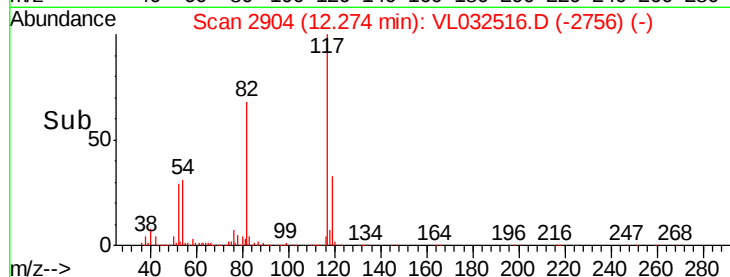
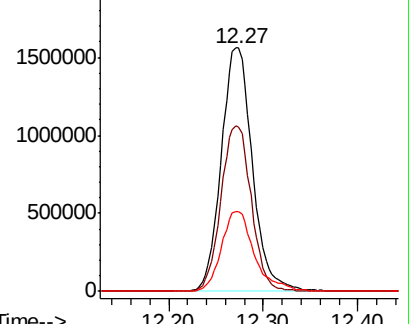
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 1.091 ppbv

RT: 12.31 min Scan# 2916

Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

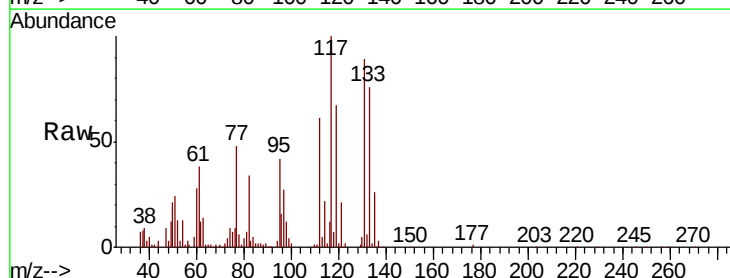
Tgt Ion:131 Resp: 175696

Ion Ratio Lower Upper

131 100

133 91.2 77.0 115.4

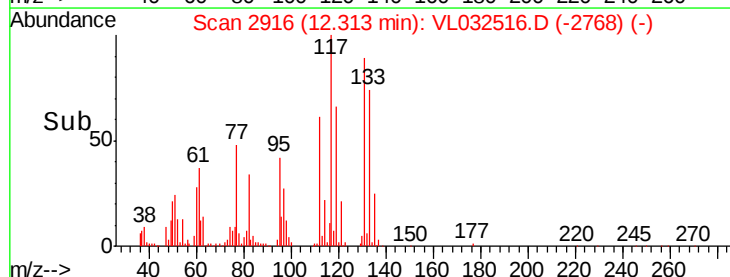
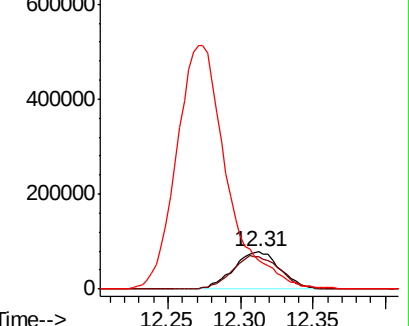
119 707.1 114.2 171.2#

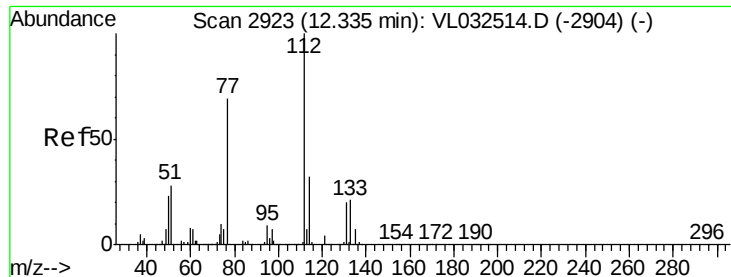


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





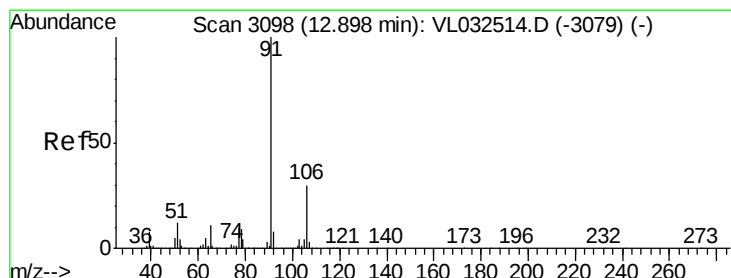
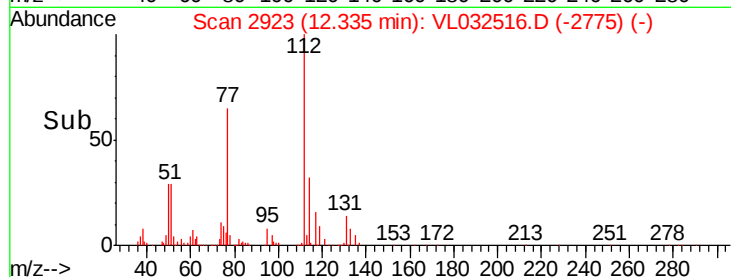
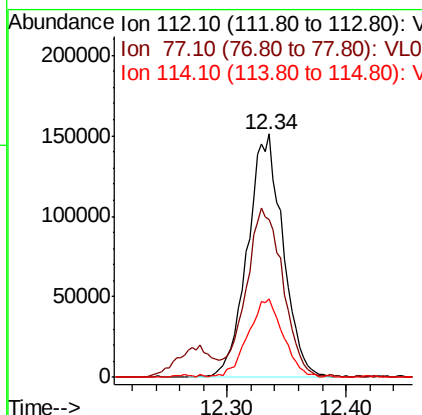
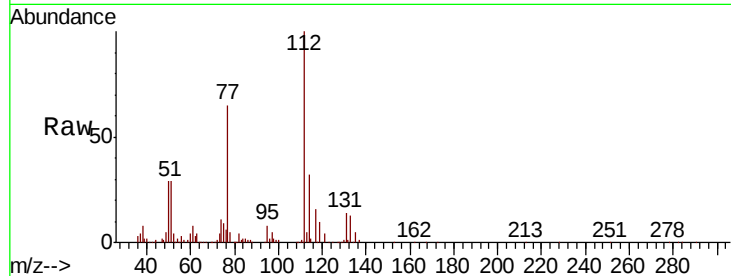
#57
Chlorobenzene
Concen: 1.089 ppbv m
RT: 12.34 min Scan# 2923
Delta R.T. -0.02 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	65.0	56.1	84.1
114	32.3	27.8	34.0

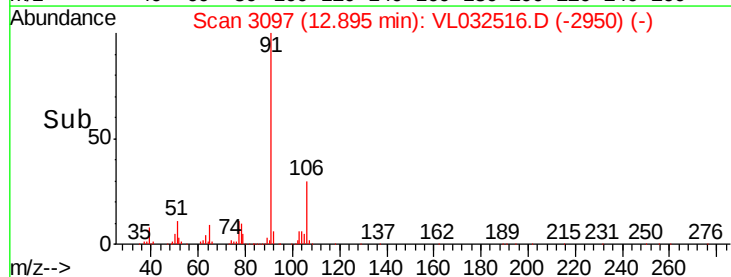
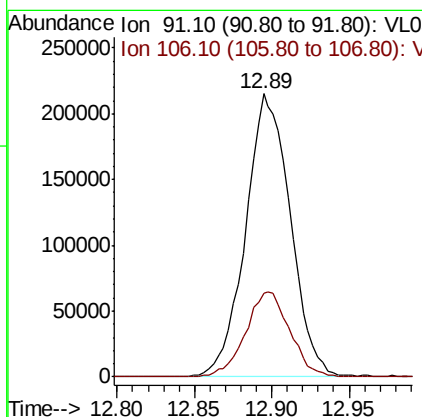
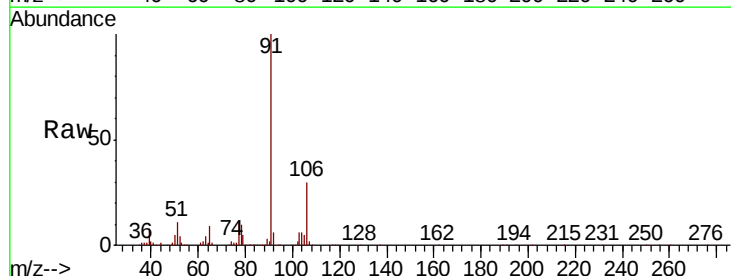
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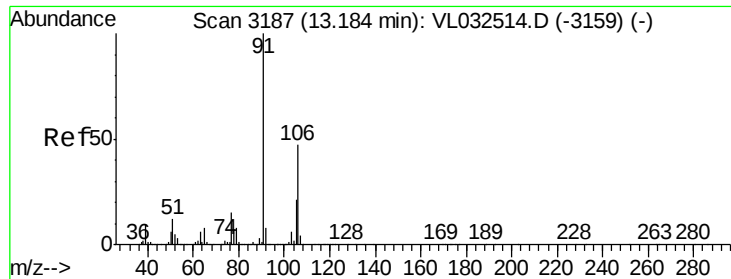
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#58
Ethyl Benzene
Concen: 1.012 ppbv
RT: 12.89 min Scan# 3097
Delta R.T. -0.03 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.8	37.2





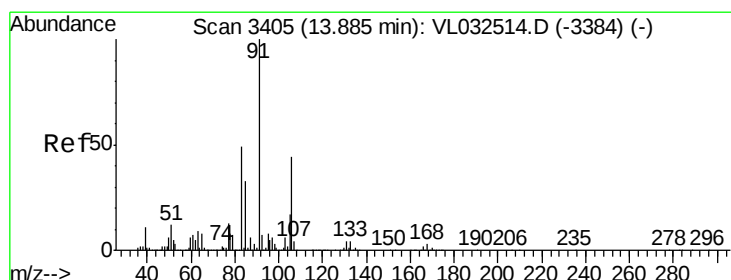
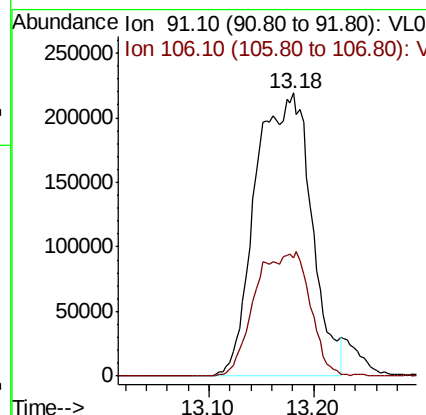
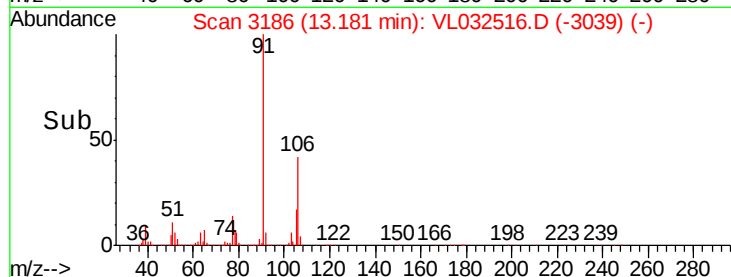
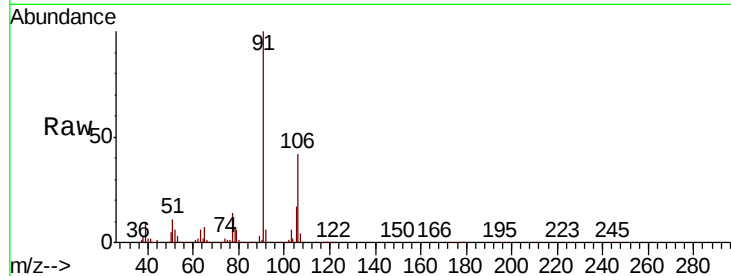
#59
m/p-Xylene
Concen: 2.127 ppbv m
RT: 13.18 min Scan# 3186
Delta R.T. -0.03 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion: 91 Resp: 810413
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

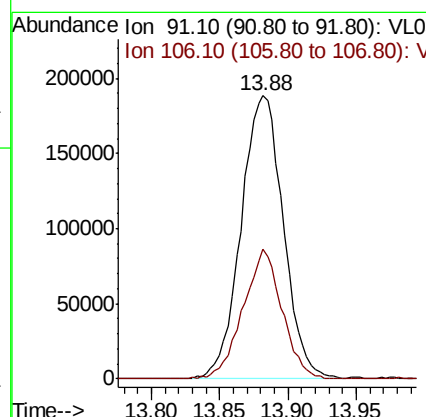
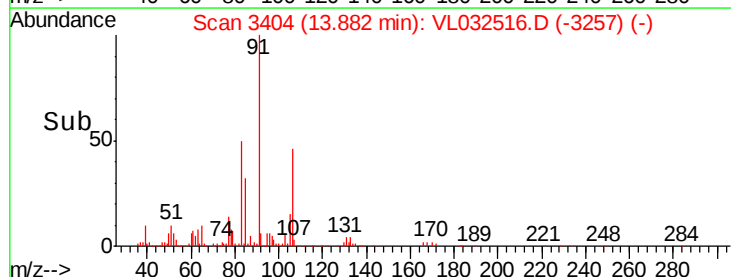
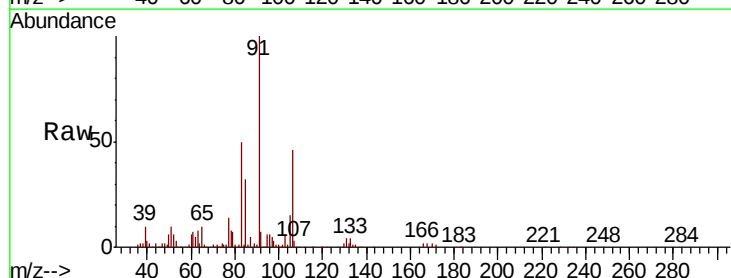
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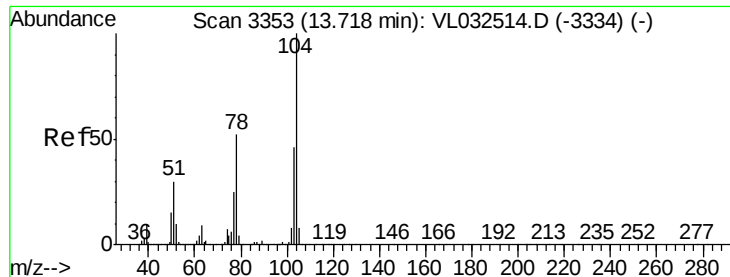
apatel
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#60
o-Xylene
Concen: 1.075 ppbv
RT: 13.88 min Scan# 3404
Delta R.T. -0.03 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Tgt Ion: 91 Resp: 402249
Ion Ratio Lower Upper
91 100
106 42.9 21.9 65.7





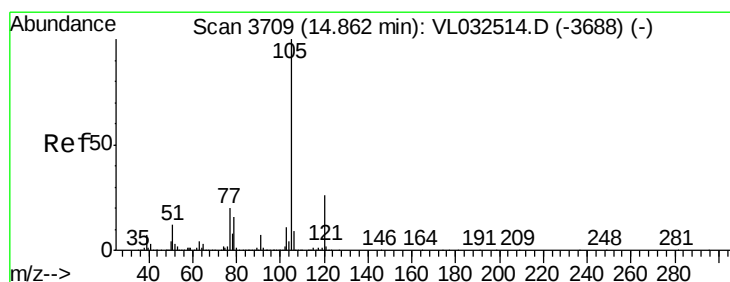
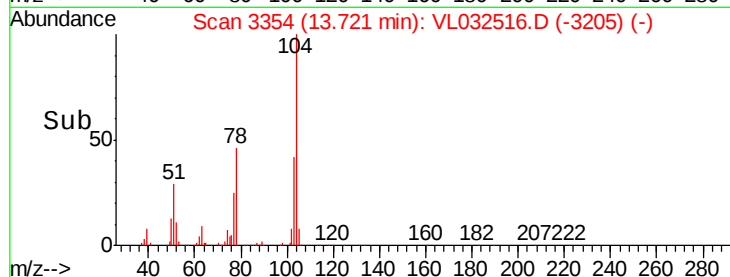
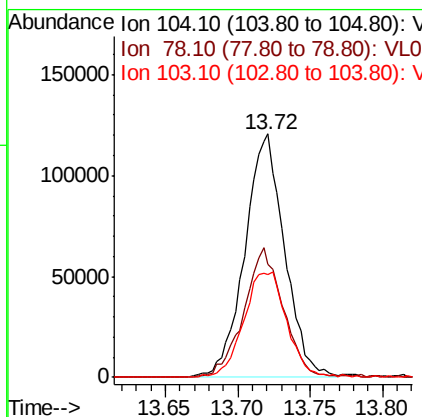
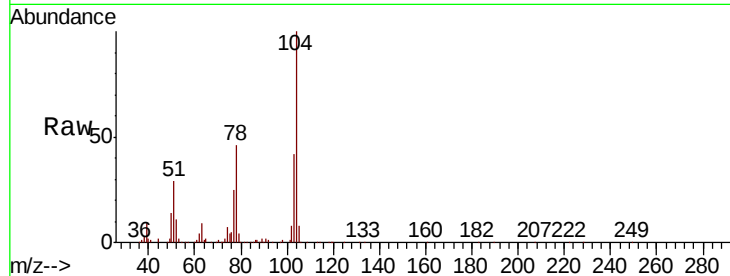
#61
Stvrene
Concen: 0.952 ppbv
RT: 13.72 min Scan# 3354
Delta R.T. -0.02 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.4	41.8	62.8
103	46.7	38.0	57.0

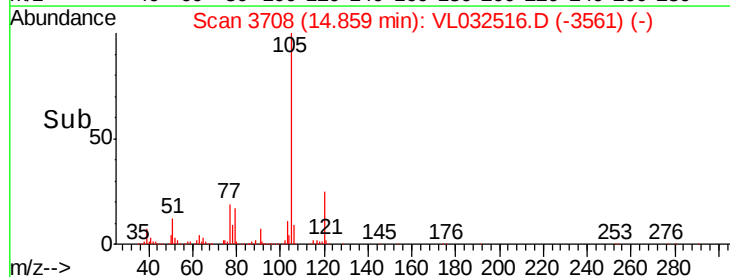
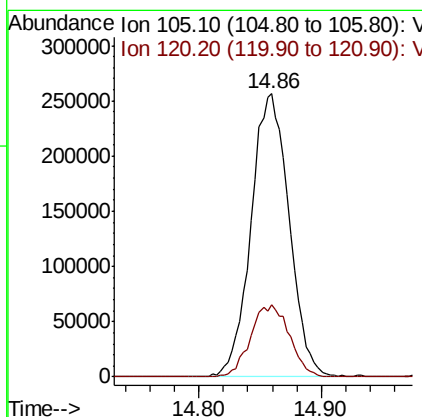
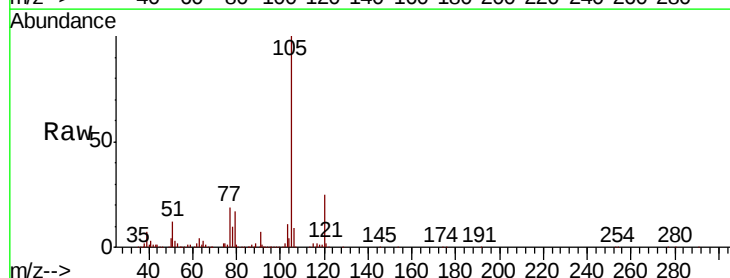
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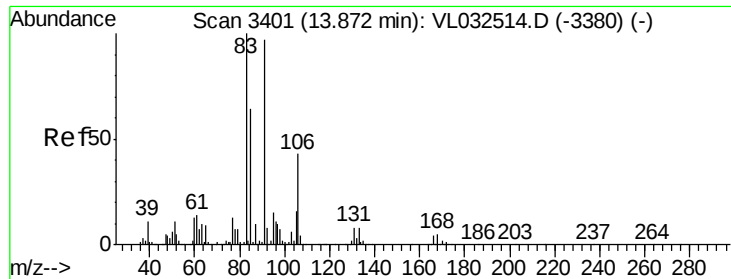
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#62
Isopropylbenzene
Concen: 1.048 ppbv
RT: 14.86 min Scan# 3708
Delta R.T. -0.03 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.6	31.0





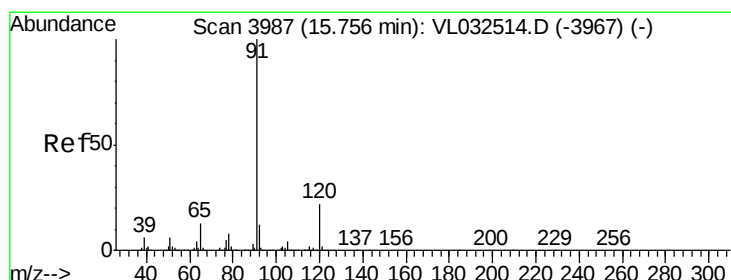
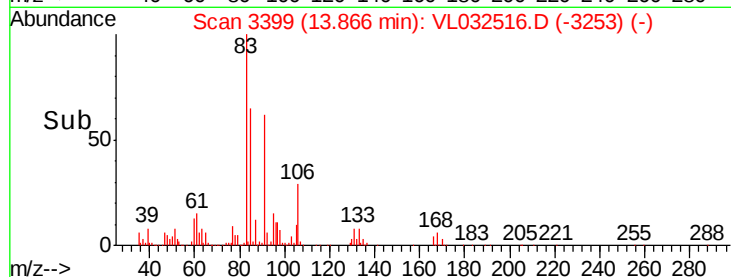
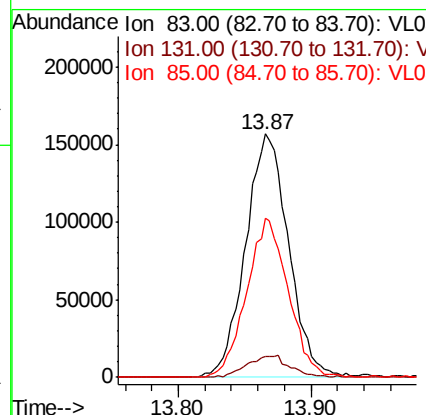
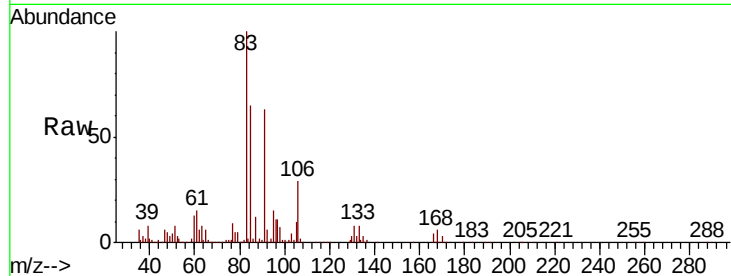
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.050 ppbv
 RT: 13.87 min Scan# 3399
 Delta R.T. -0.03 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	83	Resp	351260
Ion Ratio	100	Lower	Upper
83	100		
131	8.9	4.3	12.8
85	63.8	32.3	96.8

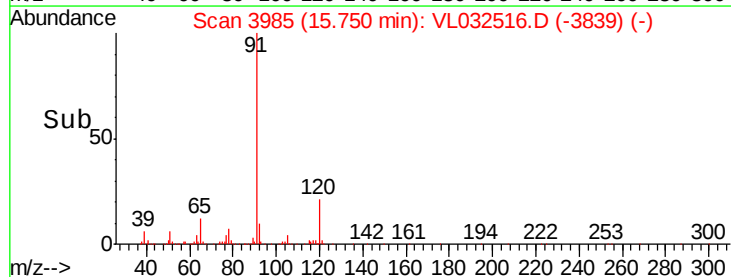
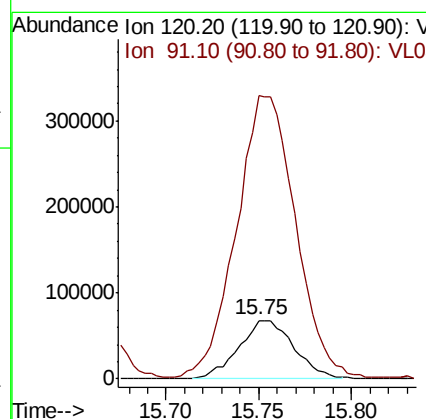
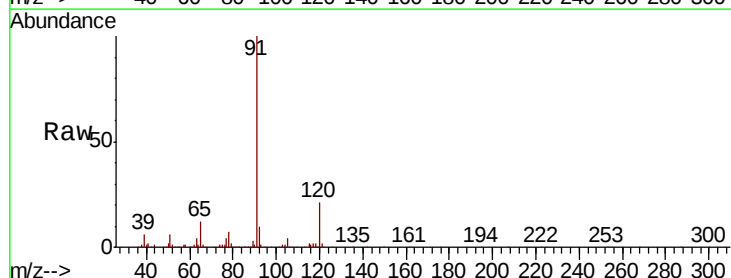
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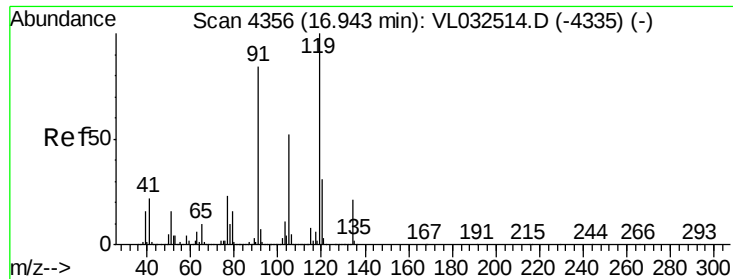
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#64
 n-propylbenzene
 Concen: 1.023 ppbv
 RT: 15.75 min Scan# 3985
 Delta R.T. -0.03 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Tgt Ion	120	Resp	140789
Ion Ratio	100	Lower	Upper
120	100		
91	523.5	381.8	572.6





#65

tert-Butylbenzene

Concen: 1.074 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. -0.03 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

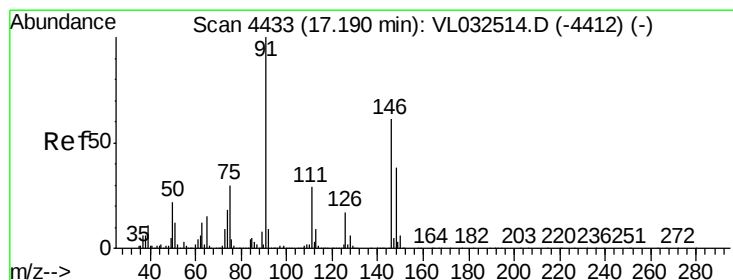
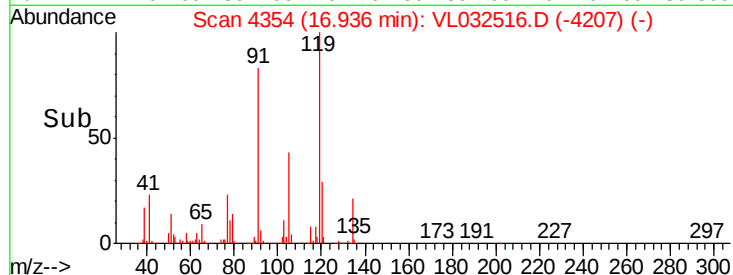
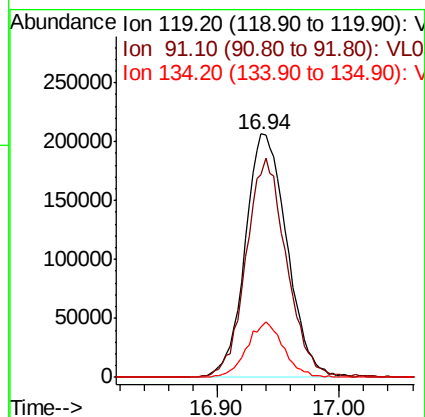
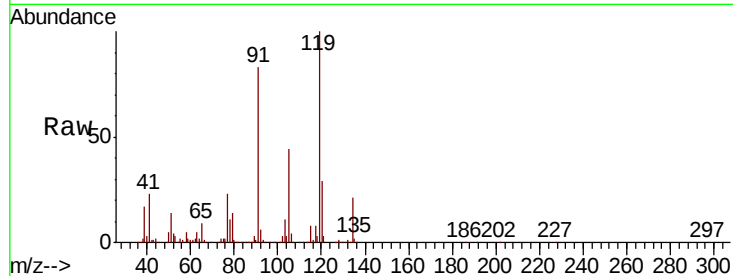
ClientSampled :

VSTDIC001

Tot Ion:	119	Resp:	487186
Ion Ratio	Lower	Upper	
119	100		
91	87.7	66.5	99.7
134	20.0	16.0	24.0

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#66

Benzyl Chloride

Concen: 0.992 ppbv

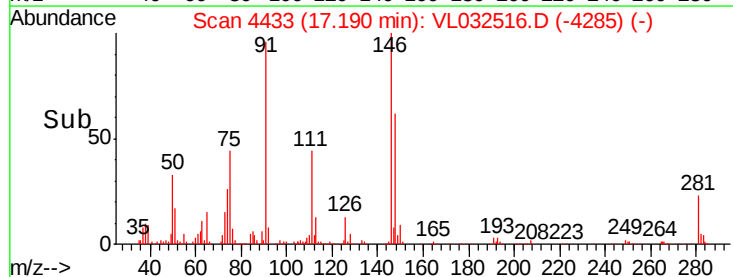
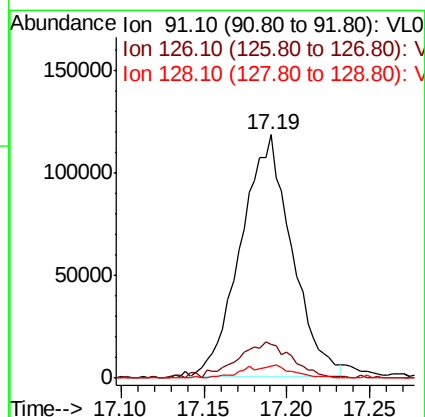
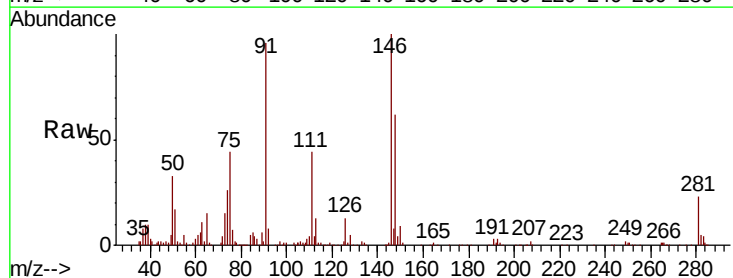
RT: 17.19 min Scan# 4433

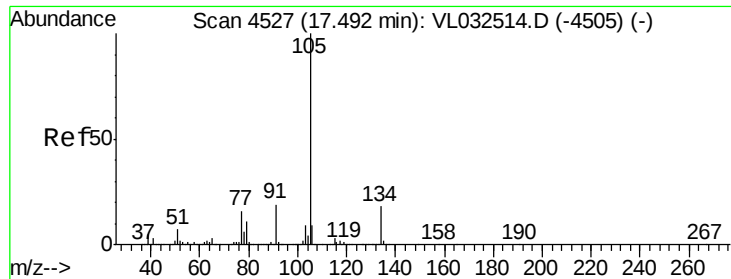
Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Tgt Ion:	91	Resp:	250514
Ion Ratio	Lower	Upper	
91	100		
126	17.3	13.8	20.8
128	5.4	4.4	6.6





#67

sec-Butylbenzene

Concen: 1.082 ppbv

RT: 17.49 min Scan# 4525

Delta R.T. -0.03 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 737691

Ion Ratio Lower Upper

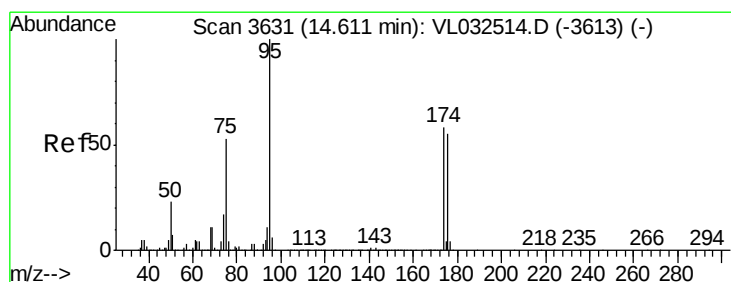
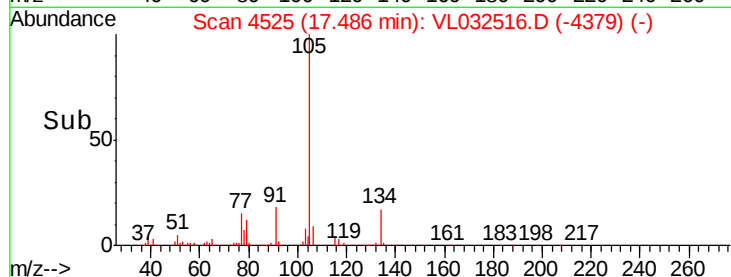
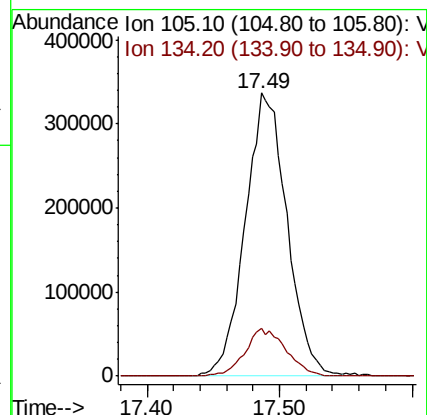
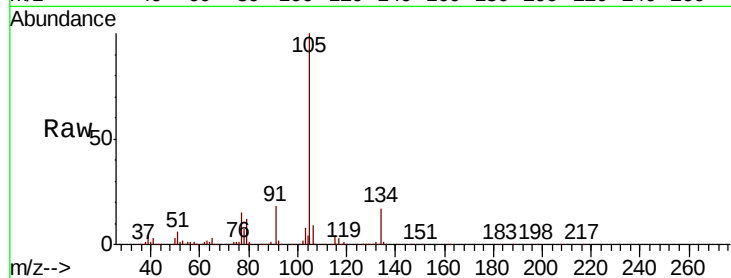
105 100

134 16.8 14.4 21.6

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.329 ppbv

RT: 14.61 min Scan# 3630

Delta R.T. -0.03 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

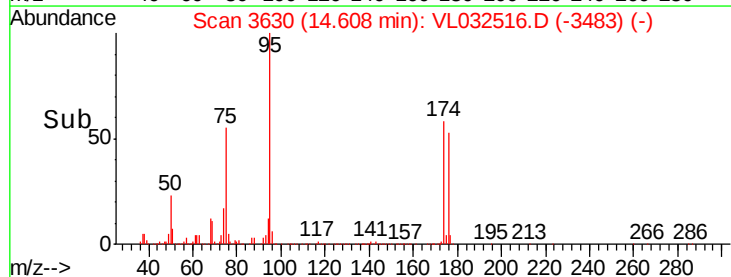
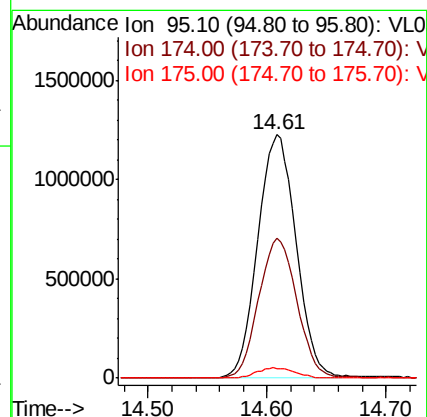
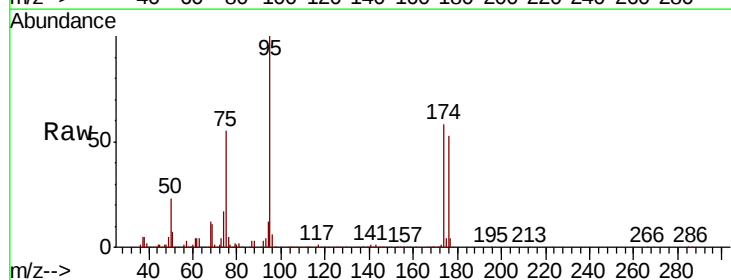
Tgt Ion: 95 Resp: 2739079

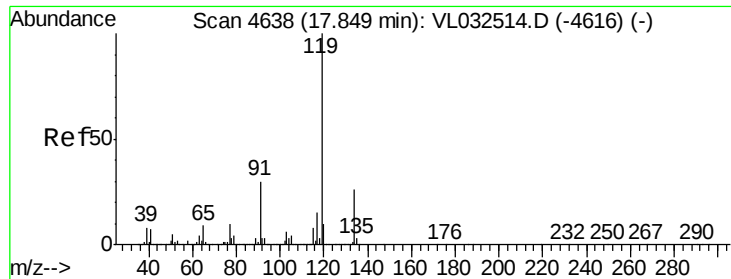
Ion Ratio Lower Upper

95 100

174 57.5 46.3 69.5

175 4.1 3.4 5.0





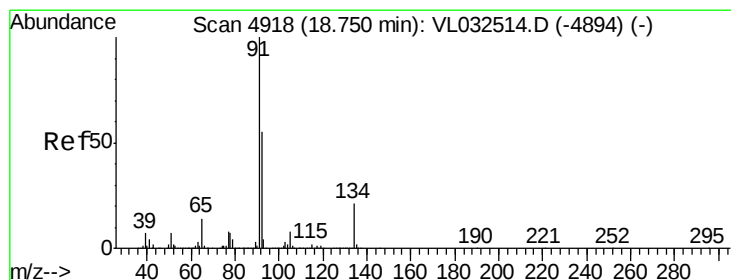
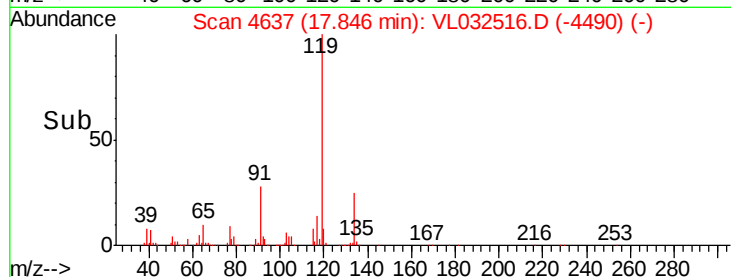
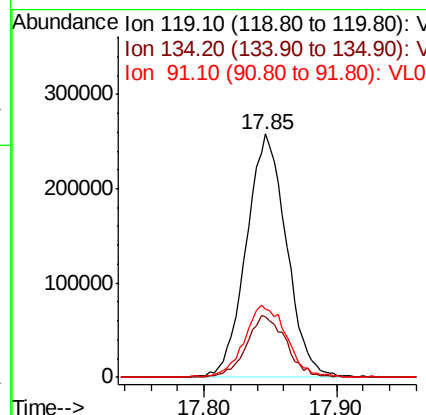
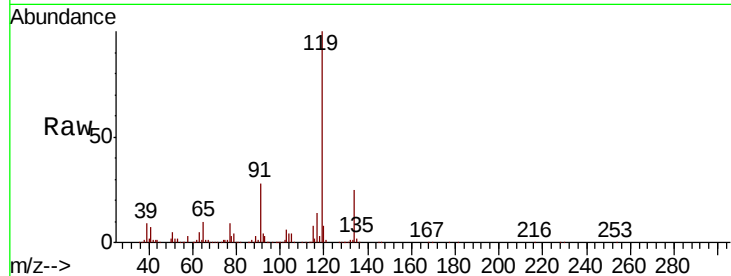
#69
 p-Isopropyltoluene
 Concen: 1.029 ppbv
 RT: 17.85 min Scan# 4637
 Delta R.T. -0.03 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	119	Resp:	543904
Ion Ratio	Lower	Upper	
119	100		
134	25.2	20.4	30.6
91	31.7	23.4	35.2

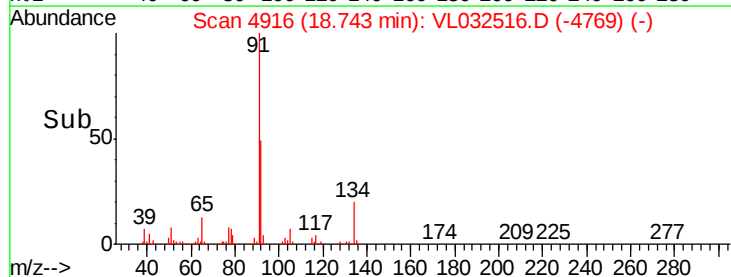
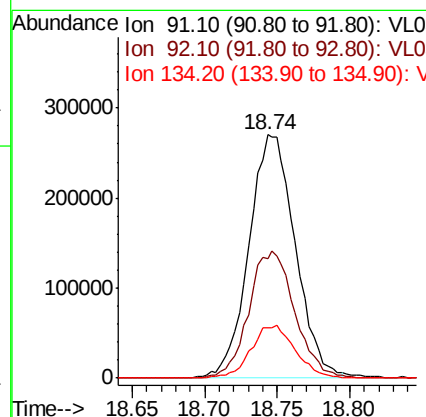
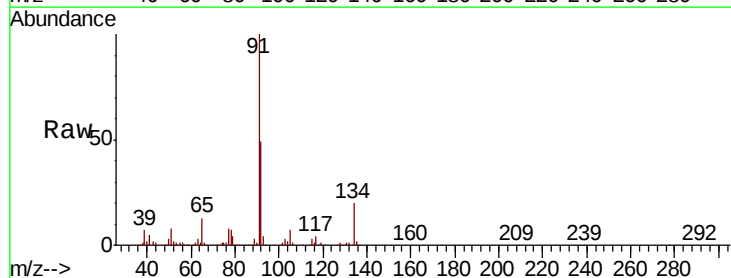
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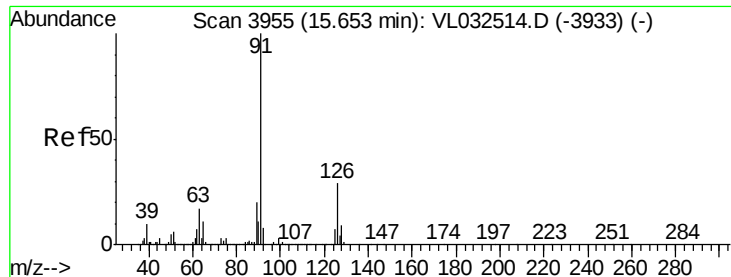
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#70
 n-Butylbenzene
 Concen: 0.995 ppbv
 RT: 18.74 min Scan# 4916
 Delta R.T. -0.03 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Tgt Ion:	91	Resp:	596076
Ion Ratio	Lower	Upper	
91	100		
92	52.4	43.8	65.8
134	20.9	17.4	26.0





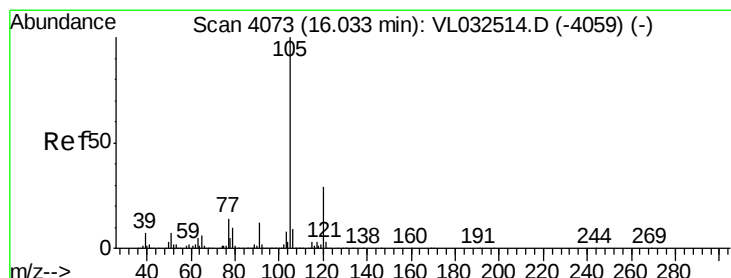
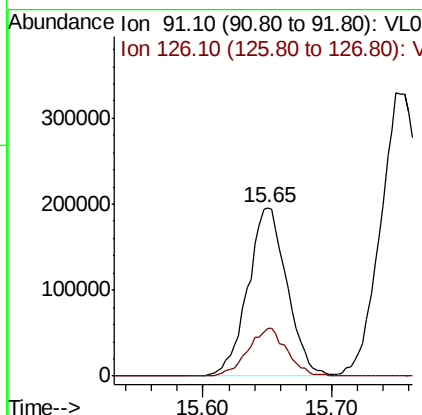
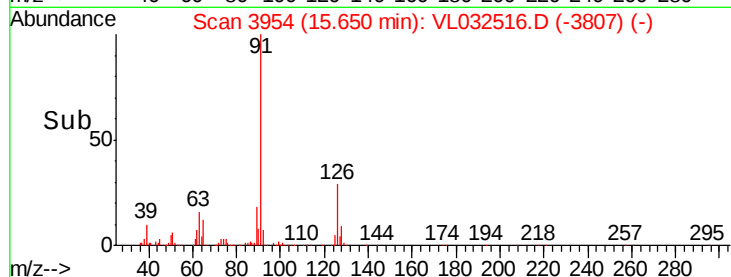
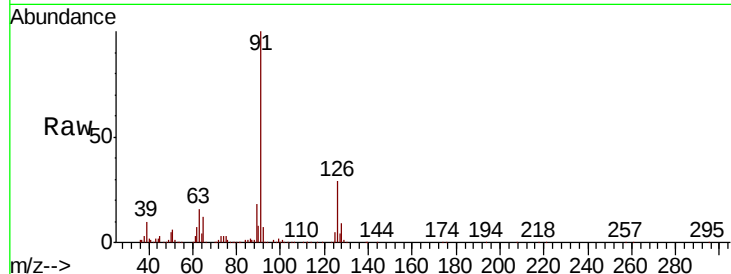
#71
 2-Chlorotoluene
 Concen: 1.029 ppbv
 RT: 15.65 min Scan# 3954
 Delta R.T. -0.03 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 91 Resp: 413665
 Ion Ratio Lower Upper
 91 100
 126 28.5 11.9 47.7

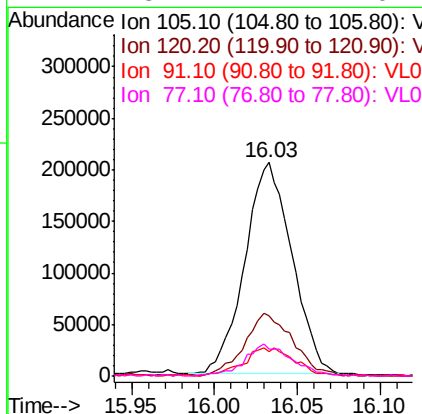
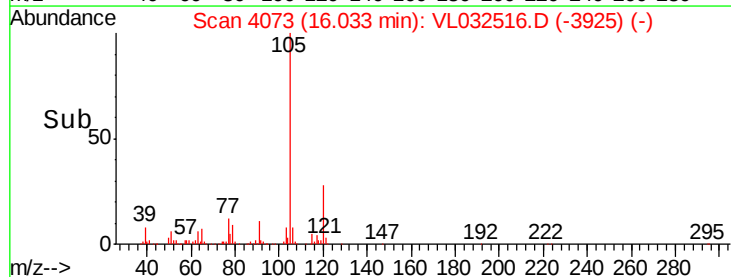
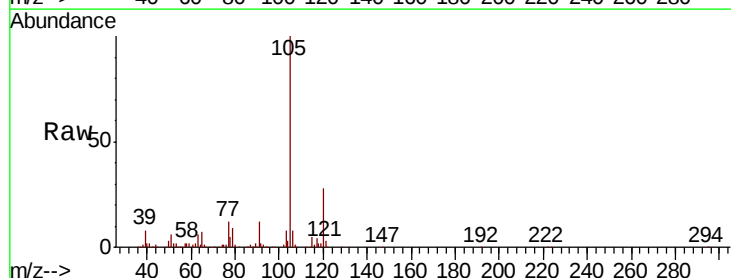
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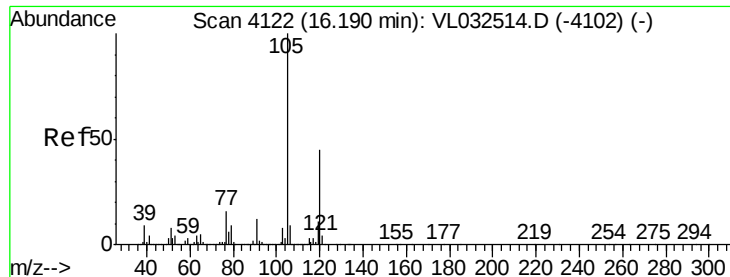
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#72
 4-Ethyltoluene
 Concen: 0.989 ppbv
 RT: 16.03 min Scan# 4073
 Delta R.T. -0.02 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Tgt Ion: 105 Resp: 404308
 Ion Ratio Lower Upper
 105 100
 120 30.6 23.5 35.3
 91 14.7 10.2 15.2
 77 15.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.989 ppbv

RT: 16.19 min Scan# 4123

Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 404981

Ion Ratio Lower Upper

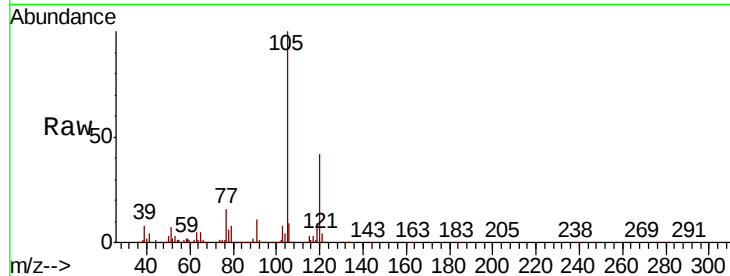
105 100

120 42.1 37.9 56.9

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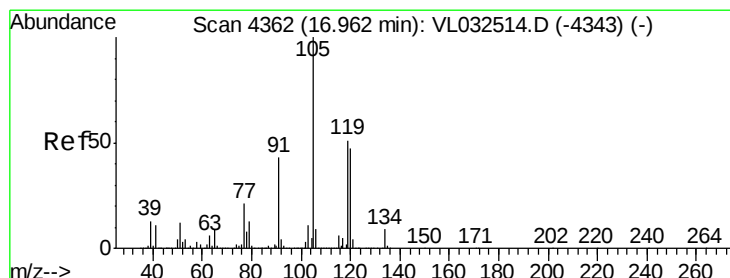
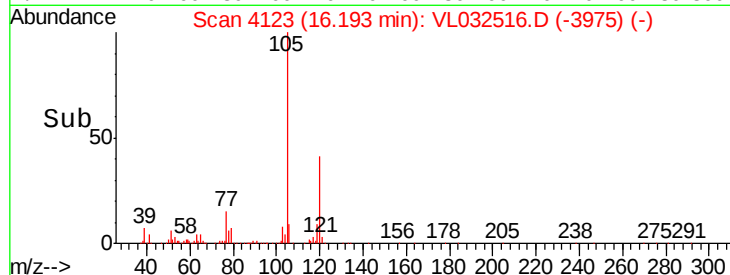
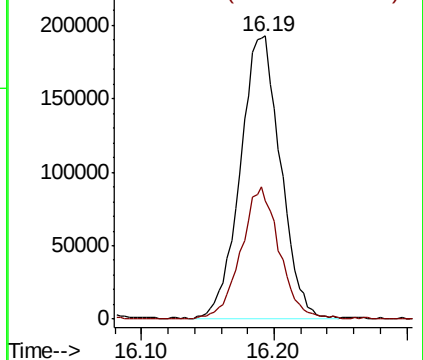
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 1.005 ppbv

RT: 16.96 min Scan# 4361

Delta R.T. -0.02 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Tgt Ion:105 Resp: 449862

Ion Ratio Lower Upper

105 100

120 44.6 37.8 56.8

91 40.8 41.4 62.0#

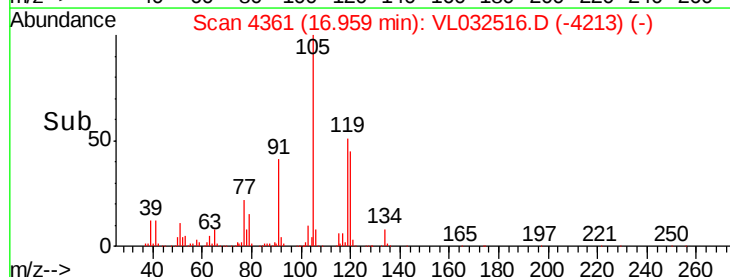
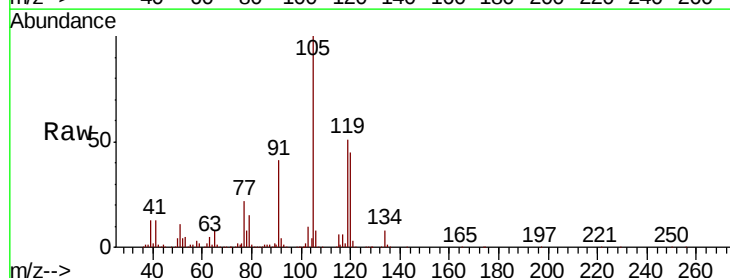
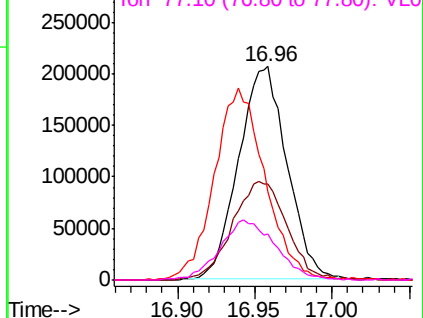
77 21.4 18.6 28.0

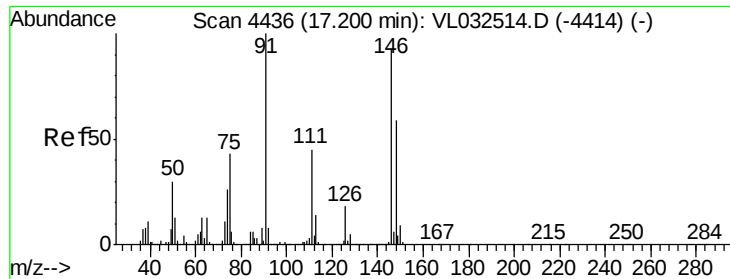
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 1.082 ppbv

RT: 17.19 min Scan# 4433

Delta R.T. -0.03 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Instrument :

MSVOA_L

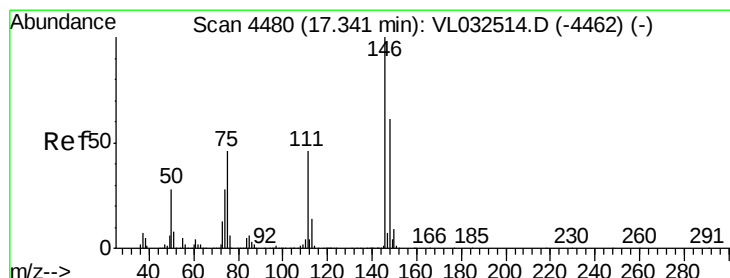
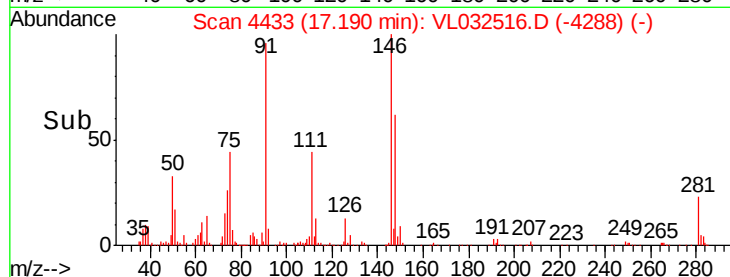
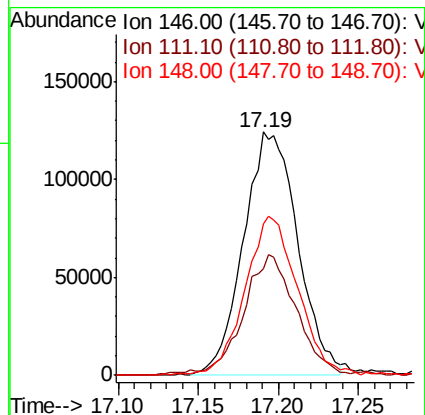
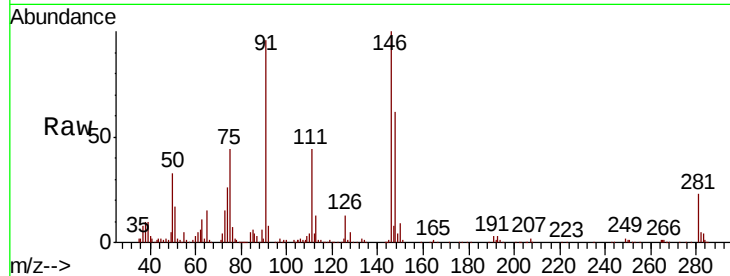
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	287263
Ion Ratio	Lower	Upper	
146	100		
111	49.6	24.5	73.5
148	64.3	32.0	96.2

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#76

1,4-Dichlorobenzene

Concen: 1.011 ppbv

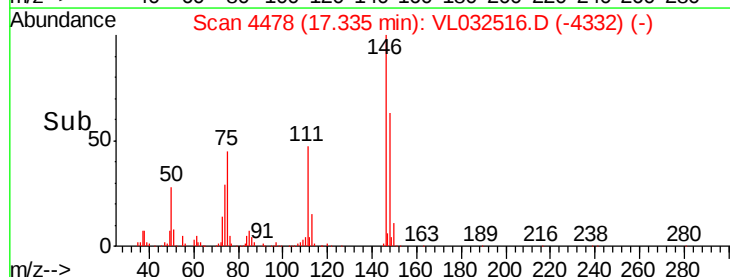
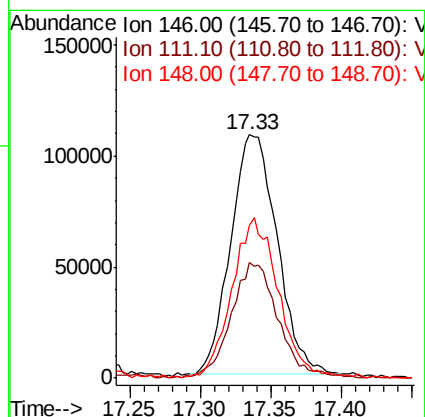
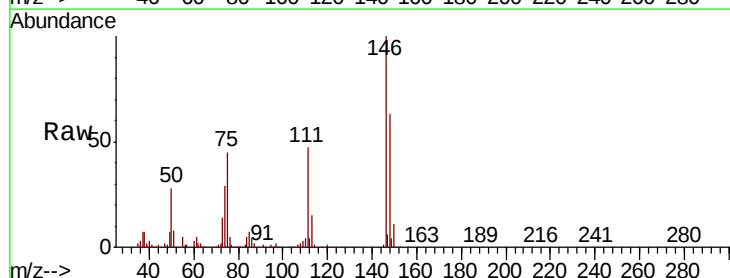
RT: 17.33 min Scan# 4478

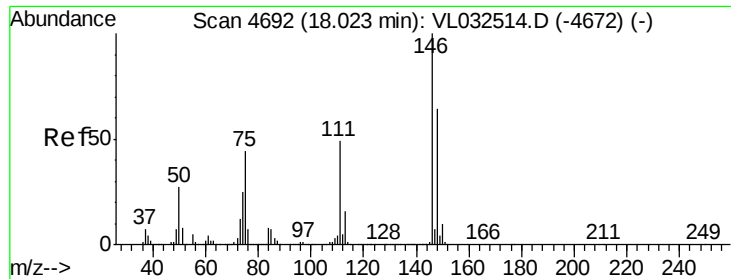
Delta R.T. -0.03 min

Lab File: VL032516.D

Acq: 24 Sep 2018 17:45

Tgt Ion:	146	Resp:	249140
Ion Ratio	Lower	Upper	
146	100		
111	48.7	23.4	70.2
148	67.5	32.0	96.2





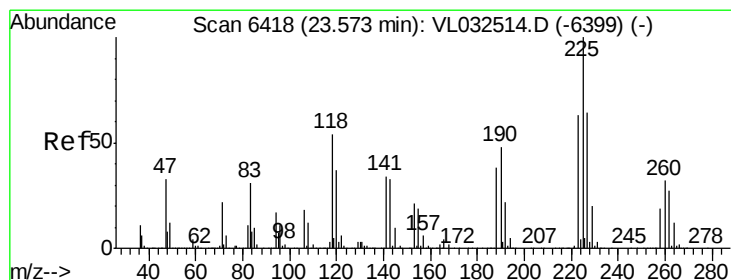
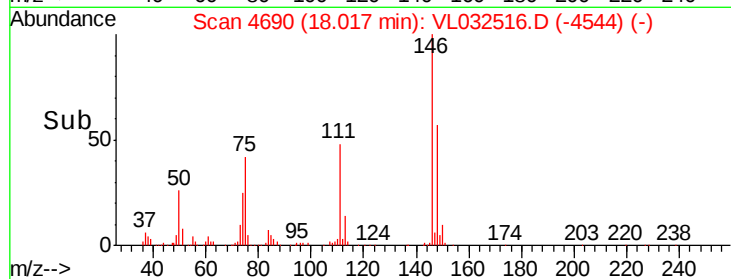
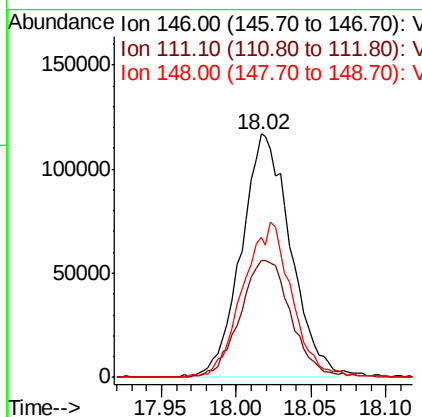
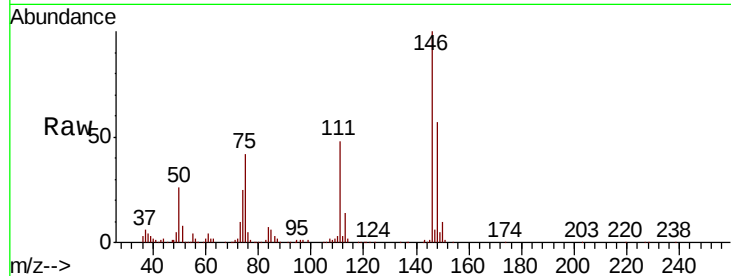
#77
 1,2-Dichlorobenzene
 Concen: 1.038 ppbv
 RT: 18.02 min Scan# 4690
 Delta R.T. -0.03 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.3	24.9	74.8
148	63.8	32.0	96.0

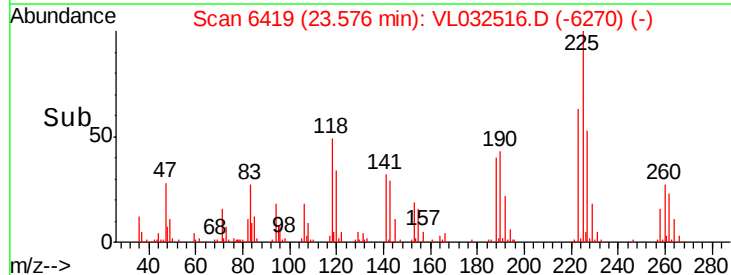
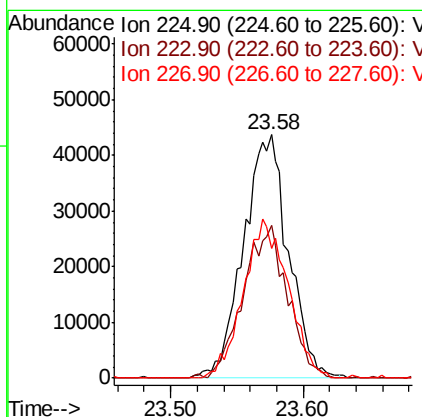
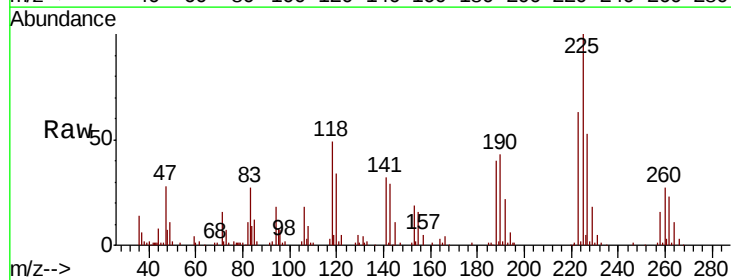
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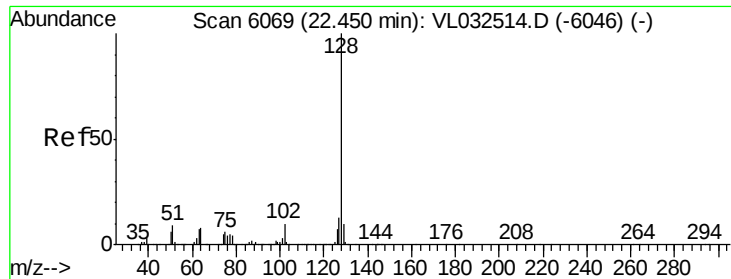
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.079 ppbv m
 RT: 23.58 min Scan# 6419
 Delta R.T. -0.02 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	76.0#
227	64.9	51.2	76.8





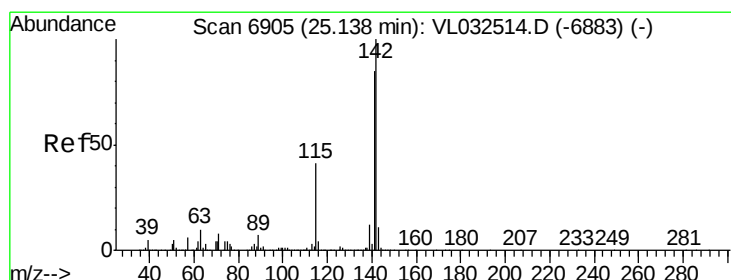
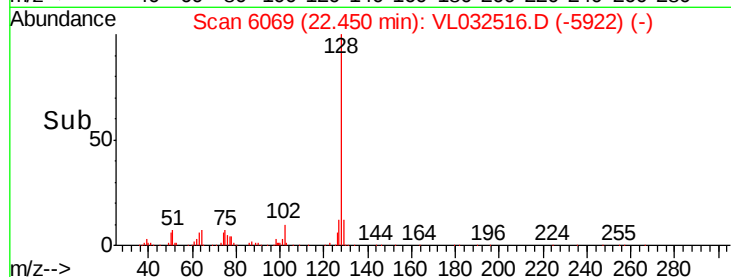
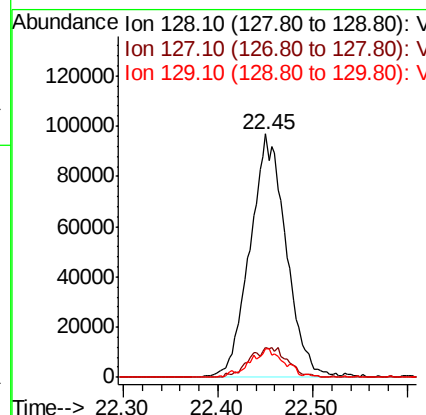
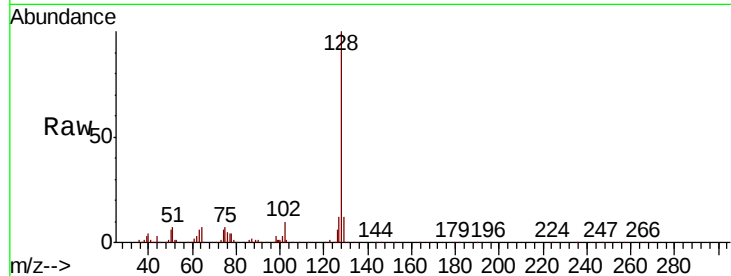
#79
Naphthalene
Concen: 0.706 ppbv m
RT: 22.45 min Scan# 6069
Delta R.T. -0.03 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	11.5	8.5	12.7

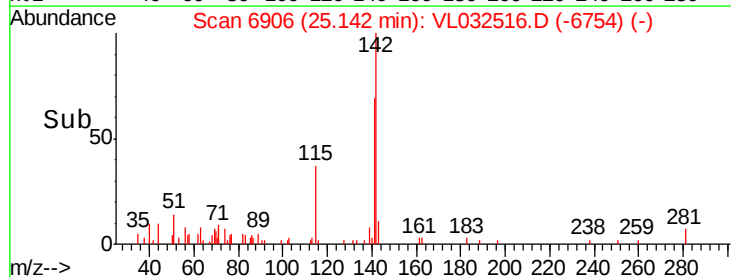
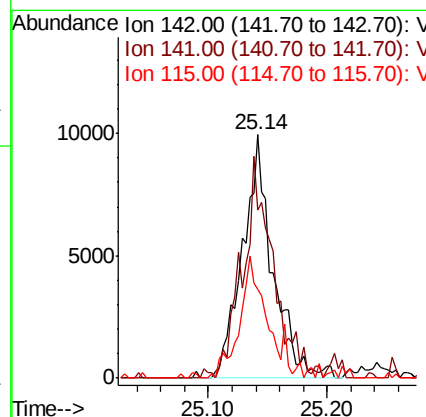
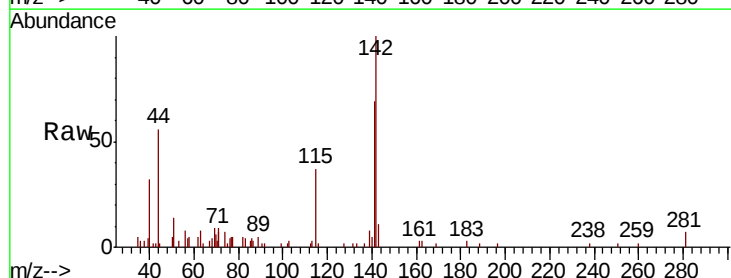
Manual Integrations
APPROVED

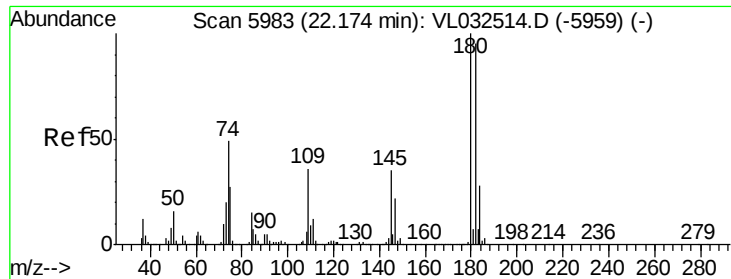
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#80
Naphthalene, 2-methyl-
Concen: 0.182 ppbv
RT: 25.14 min Scan# 6906
Delta R.T. -0.01 min
Lab File: VL032516.D
Acq: 24 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	67.0	100.6
115	45.9	31.3	46.9





#81
 1,2,4-Trichlorobenzene
 Concen: 0.787 ppbv m
 RT: 22.18 min Scan# 5984
 Delta R.T. -0.03 min
 Lab File: VL032516.D
 Acq: 24 Sep 2018 17:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	0.0	76.1	114.1#	
184	0.0	23.8	35.8#	

Manual Integrations
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