

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032517.D
 Acq On : 24 Sep 2018 18:24
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

apatel
 9/26/2018 4:47:12 PM

Quant Time: Sep 25 05:22:40 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	1572582	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3589155	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3469883	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2698444	10.47	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.09	85	104726	0.521 ppbv	97
3) Chlorodifluoromethane	3.03	51	71165	0.500 ppbv	99
4) Chloromethane	3.19	50	40889	0.474 ppbv	97
5) Vinyl Chloride	3.31	62	37084	0.436 ppbv	92
6) Bromomethane	3.53	94	21788	0.488 ppbv	91
7) Chloroethane	3.62	64	15230	0.517 ppbv	98
8) Dichlorotetrafluoroethane	3.24	85	90210	0.505 ppbv	98
9) Propene	3.05	41	27598	0.481 ppbv	99
10) Heptane	8.28	43	88584m	0.430 ppbv	
11) Trichlorofluoromethane	4.02	101	99972	0.551 ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.58	101	78514	0.639 ppbv	97
13) Ethanol	3.68	45	11484m	0.642 ppbv	
14) Bromoethene	3.81	108	25838	0.496 ppbv	97
15) Acetone	3.93	43	80791	0.570 ppbv	97
16) 1,3-Butadiene	3.38	39	29956	0.450 ppbv	93
17) tert-Butyl alcohol	4.41	59	10923m	0.501 ppbv	
18) 1,1-Dichloroethene	4.37	96	35217	0.627 ppbv	87
19) Isopropyl Alcohol	4.07	45	50690	0.546 ppbv	# 92
20) Methylene Chloride	4.43	84	40708	0.754 ppbv	97
21) Allyl Chloride	4.50	41	57565	0.612 ppbv	98
22) trans-1,2-Dichloroethene	4.98	96	31701	0.520 ppbv	92
23) Vinyl Acetate	5.18	43	100528	0.428 ppbv	# 92
24) 1,1-Dichloroethane	5.11	63	109437	0.566 ppbv	99
25) Ethyl Acetate	5.80	43	168654	0.504 ppbv	98
26) Hexane	5.80	57	73706	0.492 ppbv	89
27) Carbon Disulfide	4.65	76	80608	0.583 ppbv	# 80
28) Methyl tert-Butyl Ether	5.15	73	80267	0.437 ppbv	99
29) Chloroform	5.87	83	128395	0.562 ppbv	98
30) Cyclohexane	7.28	84	50613	0.462 ppbv	# 80
31) cis-1,2-Dichloroethene	5.66	61	62175	0.459 ppbv	95
32) 1,1,1-Trichloroethane	6.65	97	121059	0.569 ppbv	98
34) 2-Butanone	5.37	43	101355	0.425 ppbv	98
35) Carbon Tetrachloride	7.16	117	121768	0.505 ppbv	93
36) Benzene	7.03	78	132165	0.433 ppbv	96
37) 1,2-Dichloroethane	6.44	62	87158	0.466 ppbv	97
38) Trichloroethene	7.99	130	52426m	0.452 ppbv	
39) 1,2-Dichloropropane	7.77	63	62010m	0.475 ppbv	
40) 1,4-Dioxane	8.03	88	18942m	0.483 ppbv	
41) Tetrahydrofuran	6.20	42	46988m	0.362 ppbv	
42) Bromodichloromethane	7.94	83	130896	0.507 ppbv	99
43) Methyl Methacrylate	8.17	69	48232	0.372 ppbv	98

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 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

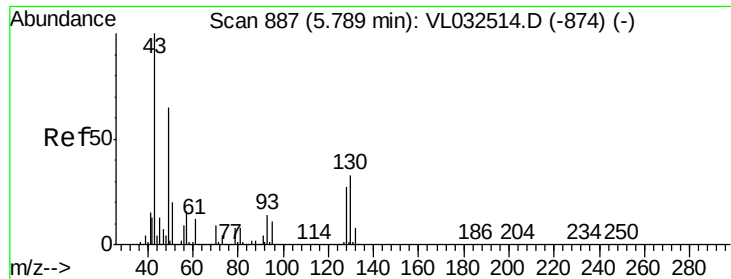
apatel
 9/26/2018 4:47:12 PM

Quant Time: Sep 25 05:22:40 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	8.02	57	252038	0.427	ppbv	94
45) t-1,3-Dichloropropene	9.45	75	55593	0.401	ppbv #	83
46) cis-1,3-Dichloropropene	8.87	75	65328	0.369	ppbv	94
47) 1,1,2-Trichloroethane	9.64	97	73310m	0.528	ppbv	
48) Dibromochloromethane	10.48	129	107822	0.560	ppbv	99
49) Bromoform	13.23	173	81325m	0.486	ppbv	
50) 4-Methyl-2-Pentanone	8.92	43	145092	0.404	ppbv	97
51) 2-Hexanone	10.33	43	98336	0.425	ppbv #	93
52) Tetrachloroethene	11.41	164	44678	0.472	ppbv	93
53) Toluene	9.98	91	133585	0.418	ppbv	97
54) 1,2-Dibromoethane	10.79	107	93580	0.502	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.31	131	86732m	0.554	ppbv	
57) Chlorobenzene	12.34	112	154372	0.557	ppbv #	94
58) Ethyl Benzene	12.90	91	166336	0.401	ppbv	95
59) m/p-Xylene	13.18	91	343457m	0.928	ppbv	
60) o-Xylene	13.88	91	160040	0.440	ppbv	99
61) Styrene	13.72	104	80616	0.342	ppbv	97
62) Isopropylbenzene	14.86	105	238071	0.466	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.87	83	171936	0.529	ppbv	99
64) n-propylbenzene	15.76	120	58499m	0.438	ppbv	
65) tert-Butylbenzene	16.94	119	202539	0.460	ppbv	98
66) Benzyl Chloride	17.19	91	105348	0.429	ppbv	94
67) sec-Butylbenzene	17.49	105	300928	0.454	ppbv	99
69) p-Isopropyltoluene	17.85	119	220583	0.430	ppbv	97
70) n-Butylbenzene	18.75	91	234857	0.404	ppbv	99
71) 2-Chlorotoluene	15.65	91	166781	0.427	ppbv	99
72) 4-Ethyltoluene	16.03	105	157857	0.398	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.19	105	158460	0.398	ppbv	98
74) 1,2,4-Trimethylbenzene	16.96	105	197373	0.454	ppbv #	87
75) 1,3-Dichlorobenzene	17.19	146	143717m	0.557	ppbv	
76) 1,4-Dichlorobenzene	17.34	146	114645	0.479	ppbv	98
77) 1,2-Dichlorobenzene	18.02	146	122571	0.492	ppbv	98
78) Hexachloro-1,3-Butadiene	23.57	225	52387m	0.563	ppbv	
79) Naphthalene	22.46	128	91673m	0.259	ppbv	
80) Naphthalene, 2-methyl-	25.15	142	7517	0.080	ppbv	93
81) 1,2,4-Trichlorobenzene	22.18	180	57403m	0.322	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032517.D

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MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion: 49 Resp: 1572582

Ion Ratio Lower Upper

49 100

128 42.5 20.7 62.1

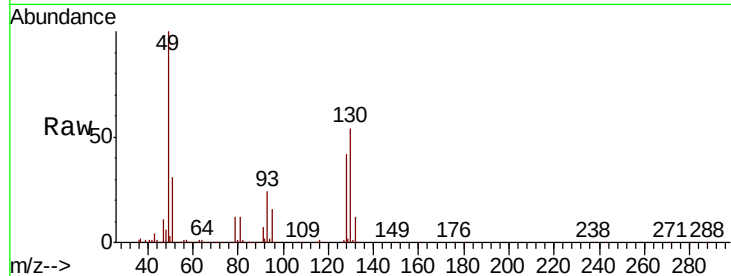
130 53.1 26.6 79.7

Manual Integrations

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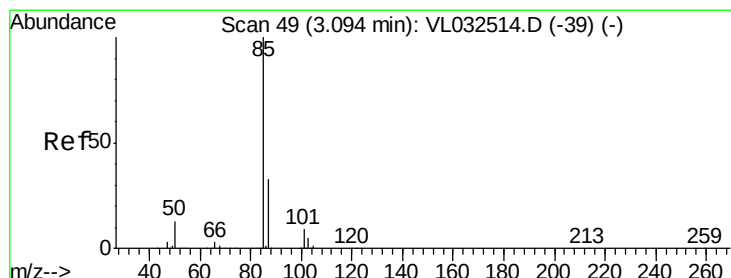
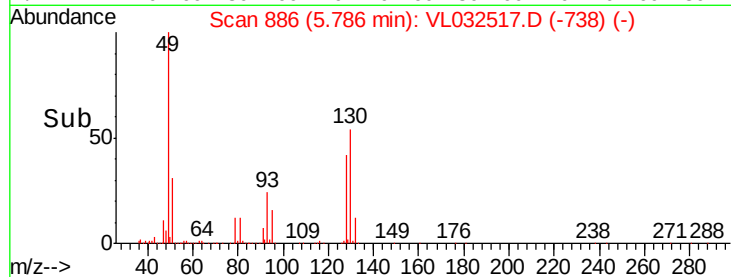
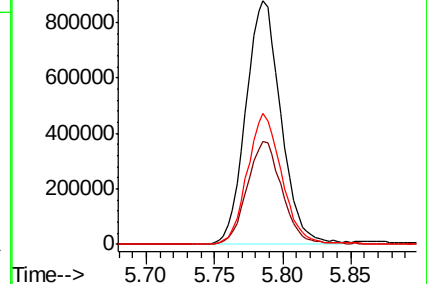
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.521 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032517.D

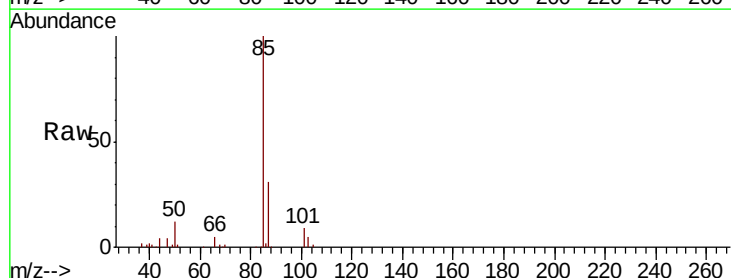
Acq: 24 Sep 2018 18:24

Tgt Ion: 85 Resp: 104726

Ion Ratio Lower Upper

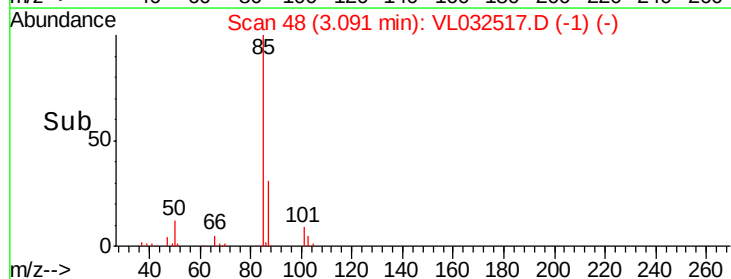
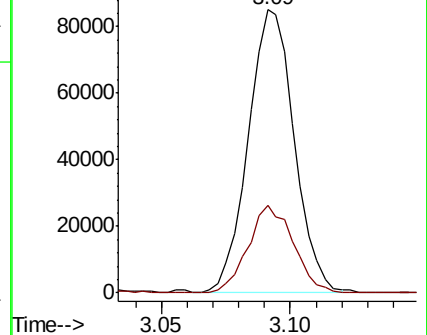
85 100

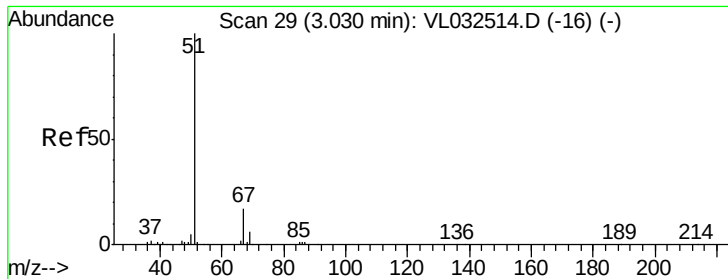
87 31.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

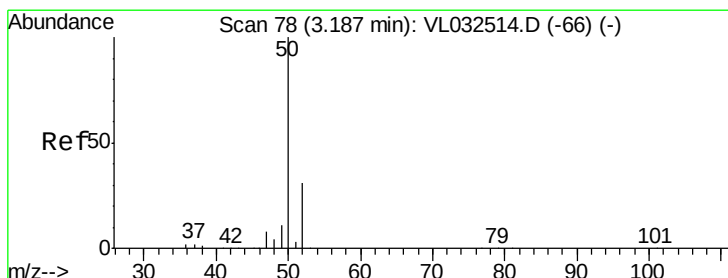
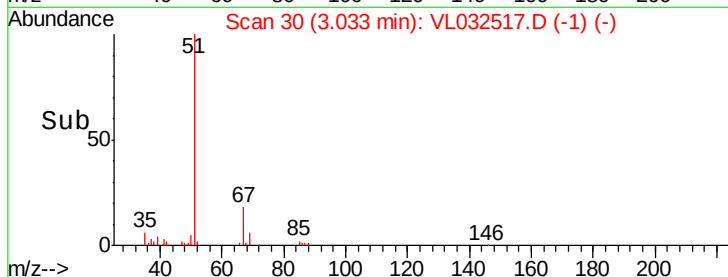
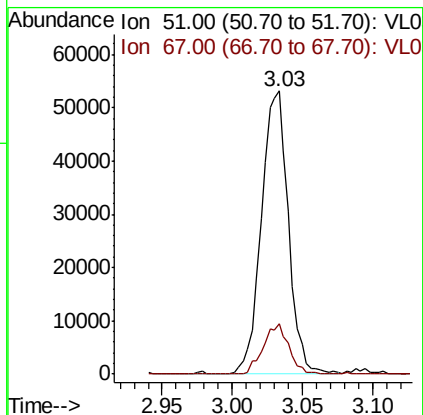
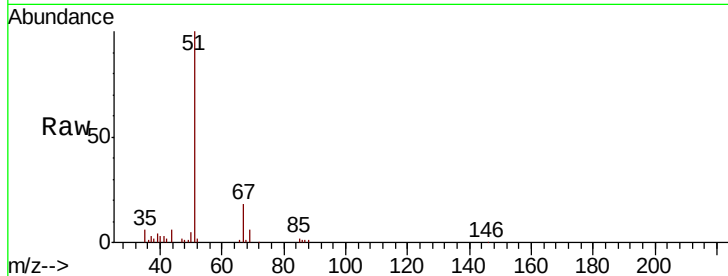
Chlorodifluoromethane
Concen: 0.500 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.01 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
51	100		
67	16.8	13.8	20.8

Manual Integrations
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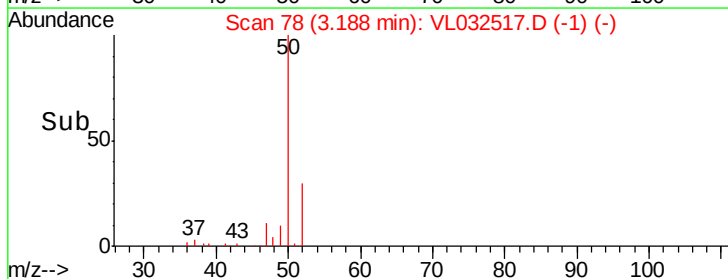
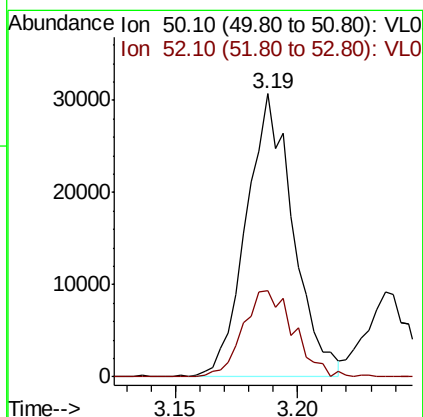
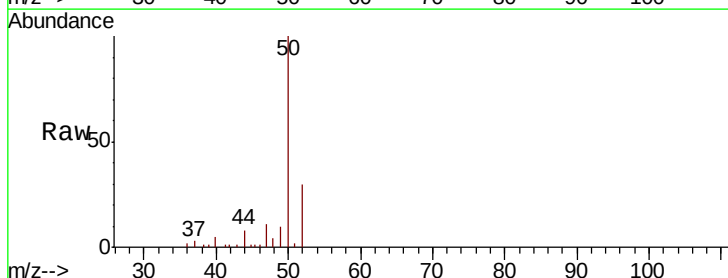
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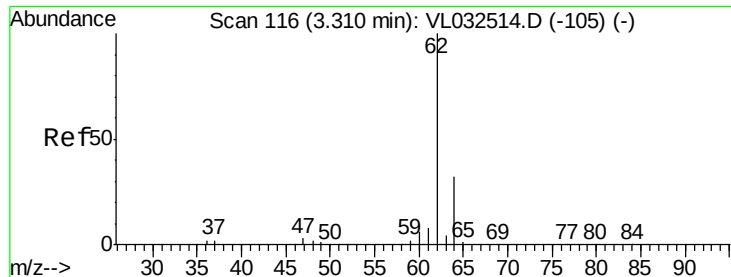


#4

Chloromethane
Concen: 0.474 ppbv
RT: 3.19 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.3	25.6	38.4





#5

Vinyl Chloride

Concen: 0.436 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion: 62 Resp: 37084

Ion Ratio Lower Upper

62 100

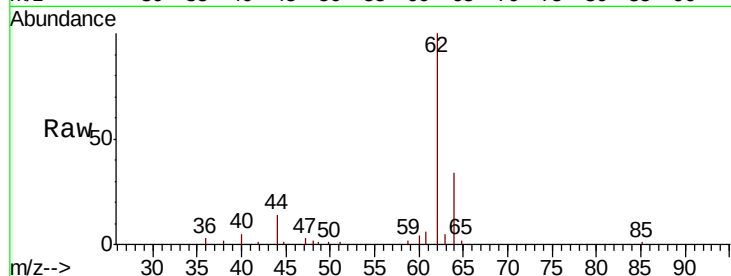
64 35.6 25.0 37.6

Manual Integrations

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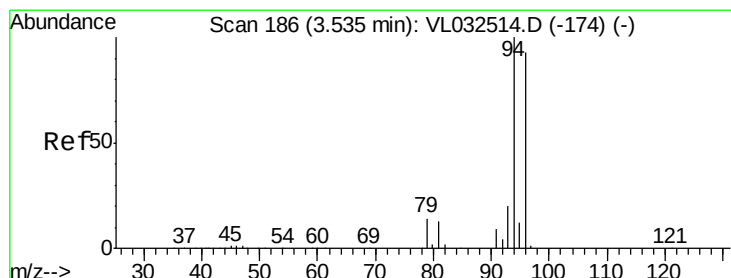
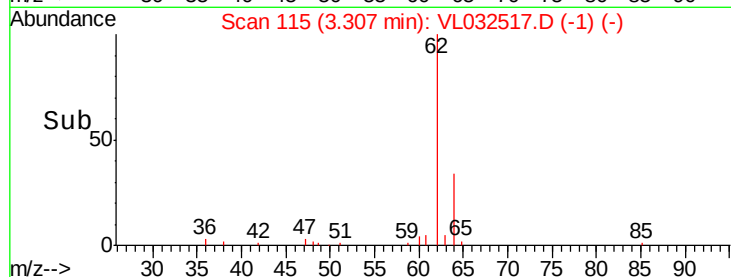
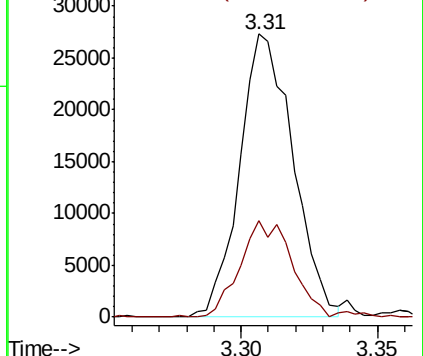
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.488 ppbv

RT: 3.53 min Scan# 186

Delta R.T. -0.01 min

Lab File: VL032517.D

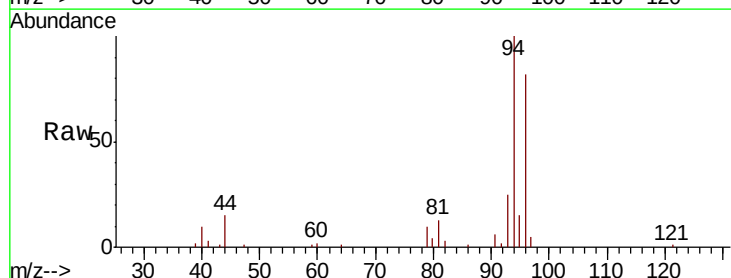
Acq: 24 Sep 2018 18:24

Tgt Ion: 94 Resp: 21788

Ion Ratio Lower Upper

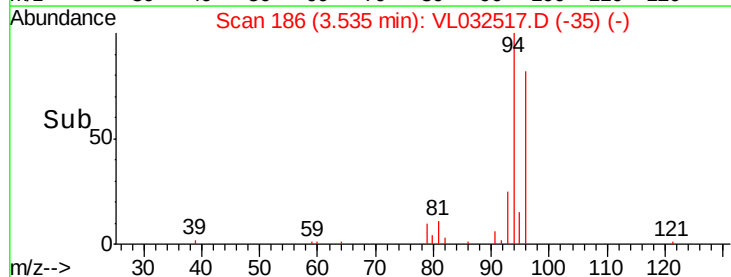
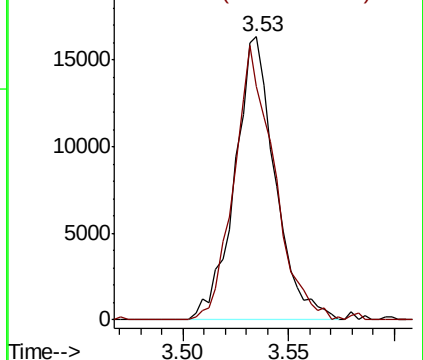
94 100

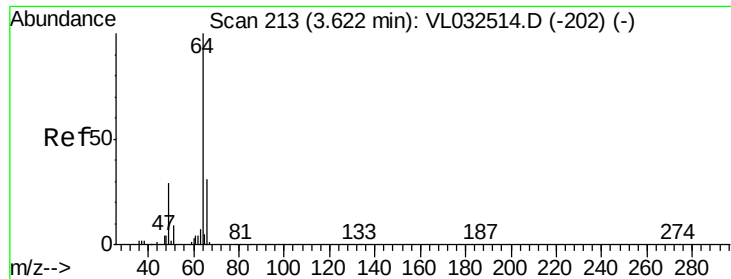
96 82.5 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.517 ppbv

RT: 3.62 min Scan# 214

Delta R.T. -0.01 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 15230

Ion Ratio Lower Upper

64 100

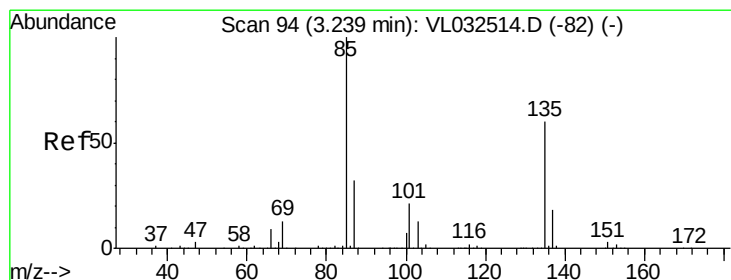
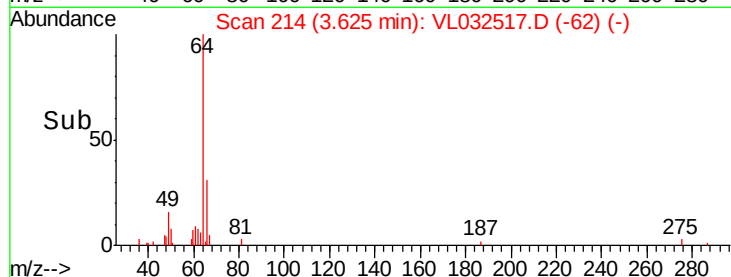
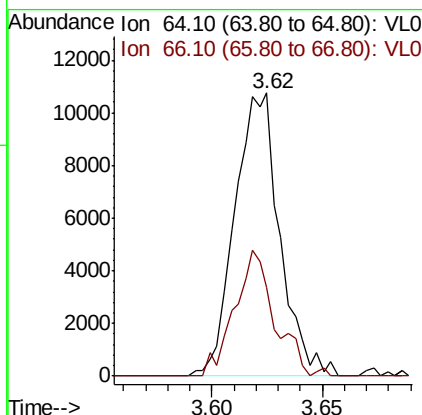
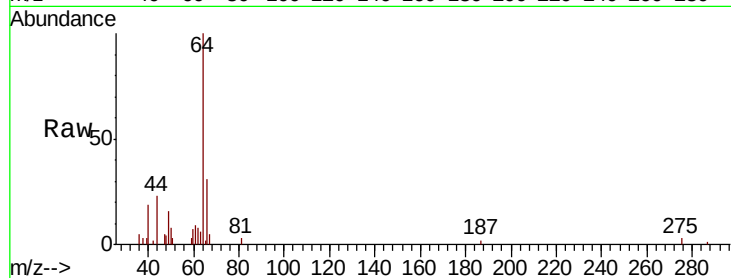
66 31.3 25.8 38.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.505 ppbv

RT: 3.24 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL032517.D

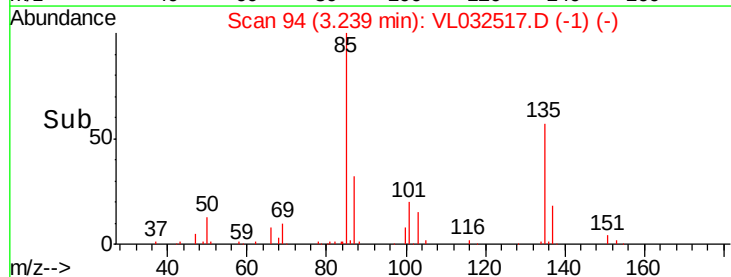
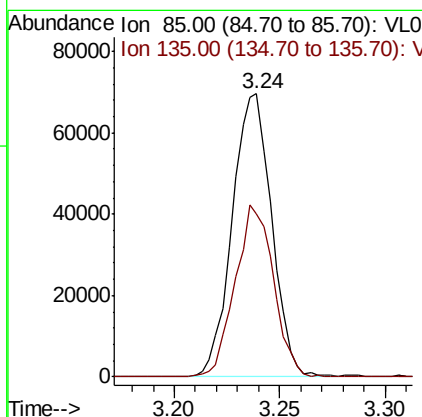
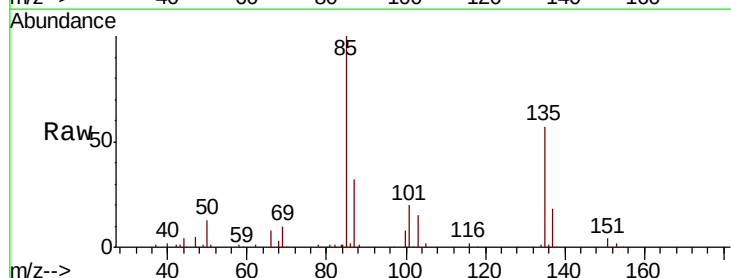
Acq: 24 Sep 2018 18:24

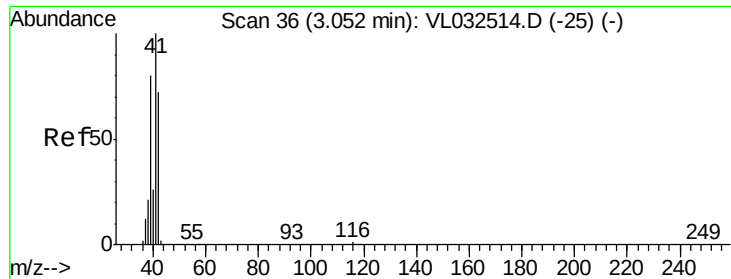
Tgt Ion: 85 Resp: 90210

Ion Ratio Lower Upper

85 100

135 59.3 48.6 72.8





#9

Propene

Concen: 0.481 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 27598

Ion Ratio Lower Upper

41 100

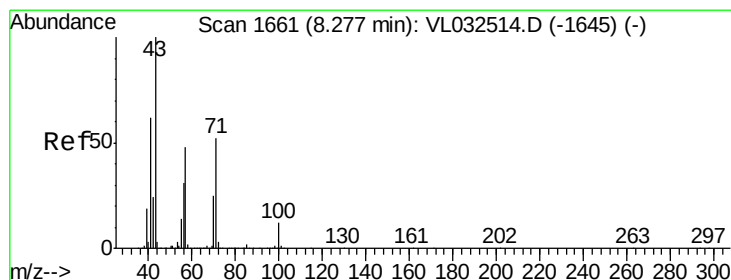
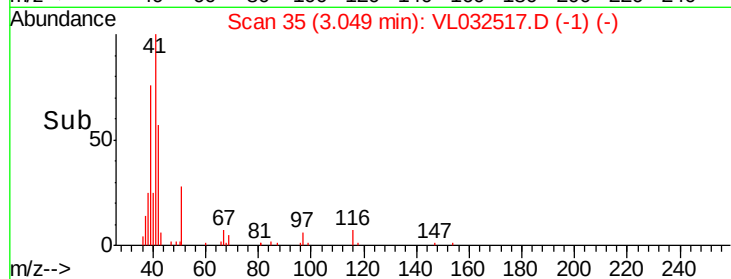
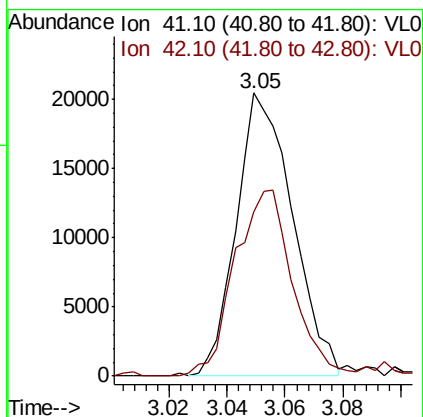
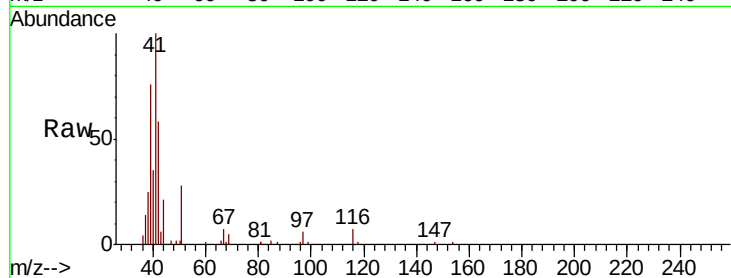
42 69.6 56.6 84.8

Manual Integrations

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#10

Heptane

Concen: 0.430 ppbv m

RT: 8.28 min Scan# 1662

Delta R.T. -0.02 min

Lab File: VL032517.D

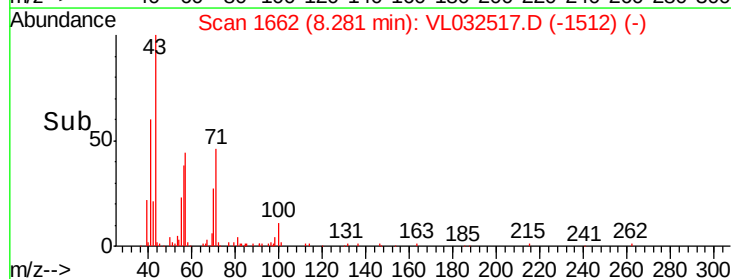
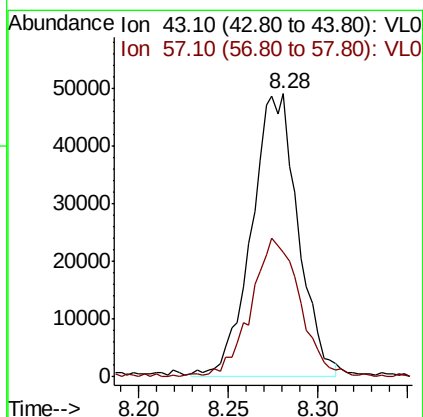
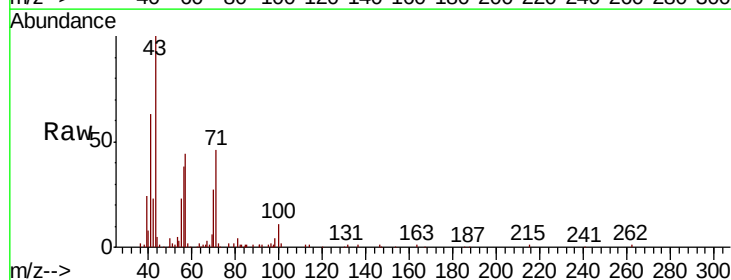
Acq: 24 Sep 2018 18:24

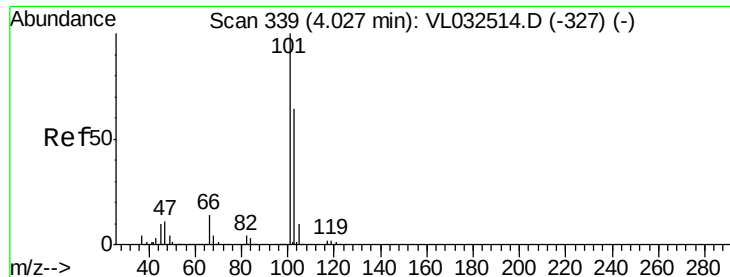
Tgt Ion: 43 Resp: 88584

Ion Ratio Lower Upper

43 100

57 52.7 39.6 59.4





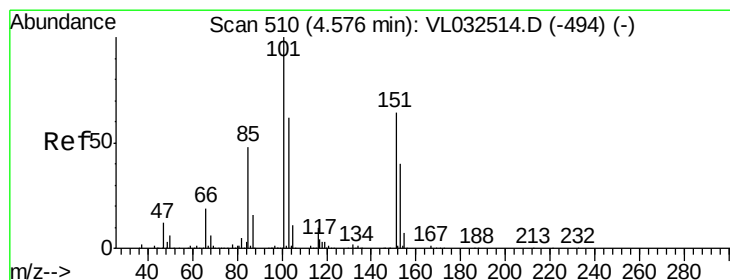
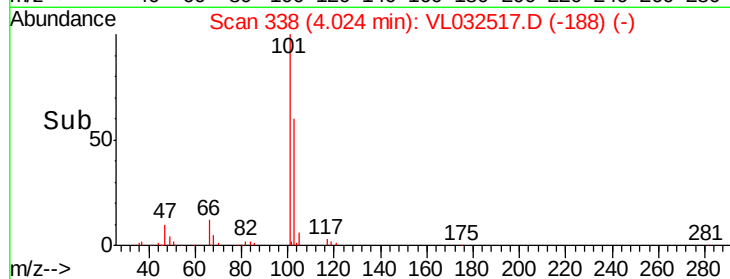
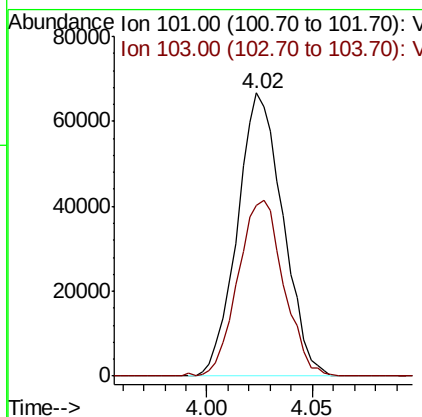
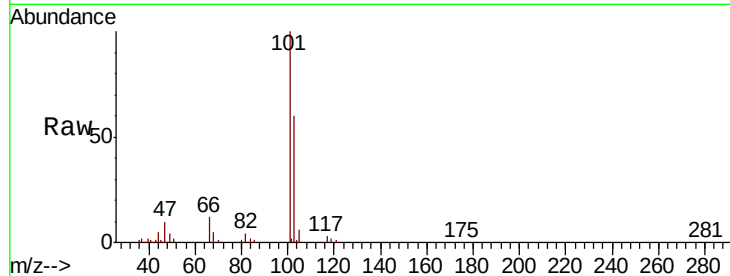
#11
 Trichlorofluoromethane
 Concen: 0.551 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. -0.02 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.4	52.8	79.2

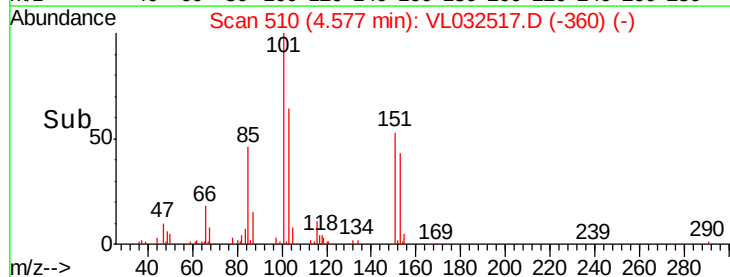
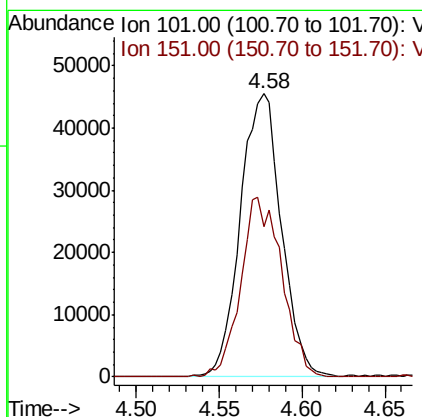
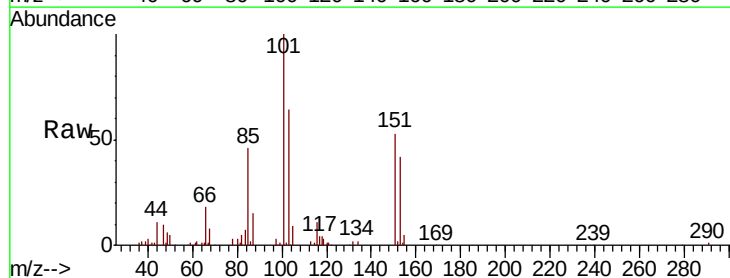
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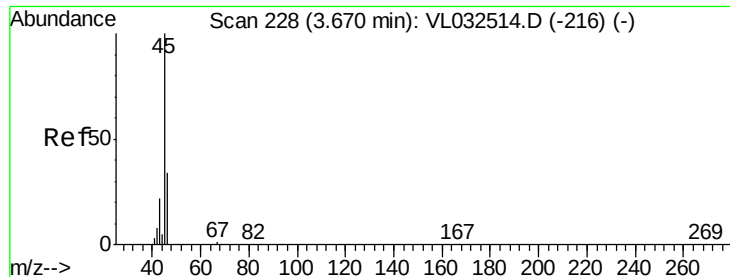
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.639 ppbv
 RT: 4.58 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
101	100		
151	63.3	52.6	78.8





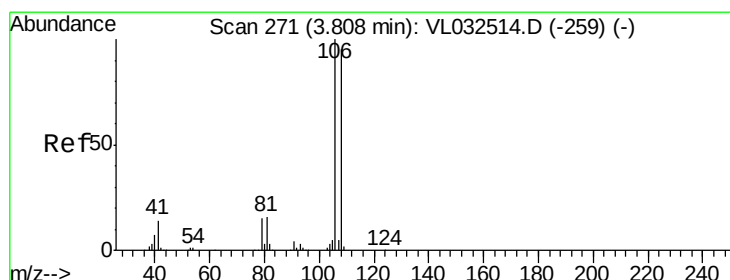
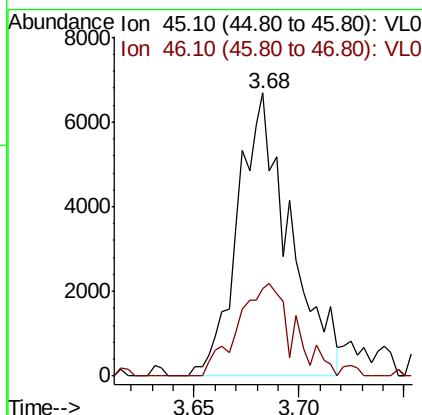
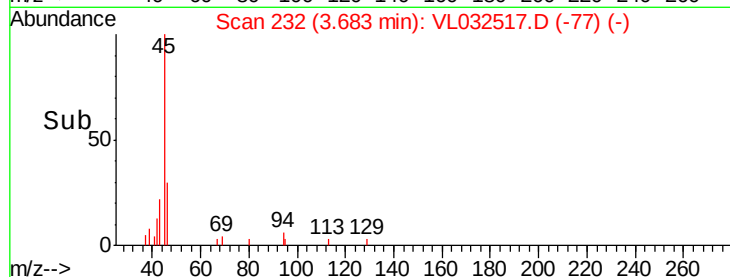
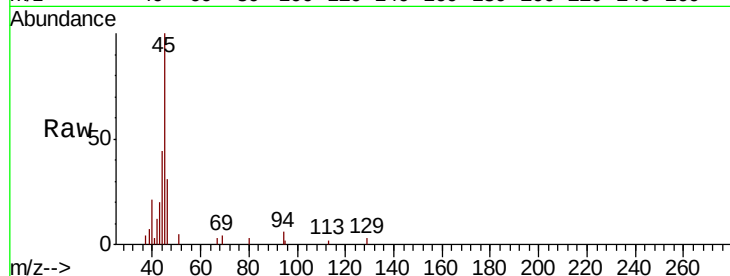
#13
Ethanol
Concen: 0.642 ppbv m
RT: 3.68 min Scan# 232
Delta R.T. -0.00 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	45	Resp	11484
Ion Ratio	100	Lower	Upper
45	100		
46	35.7	14.2	56.8

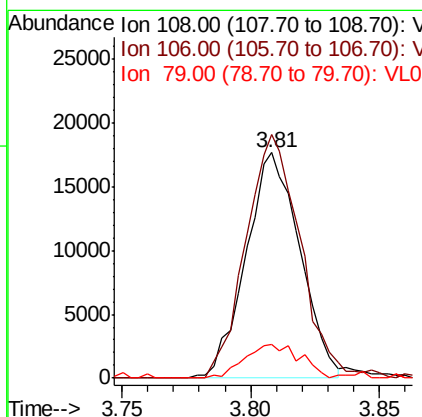
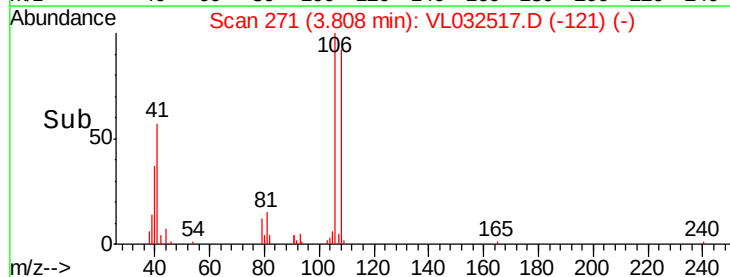
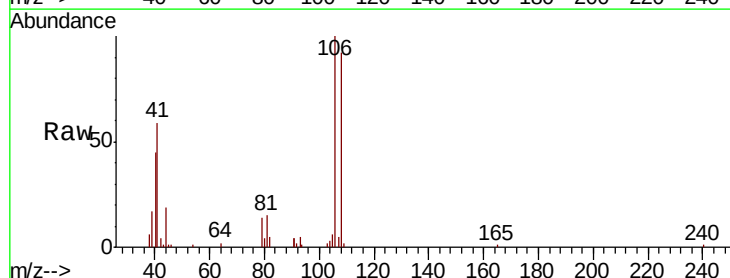
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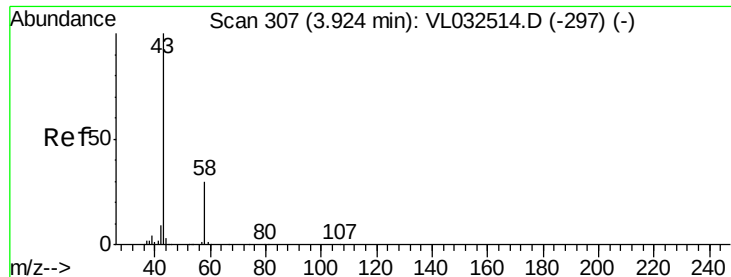
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#14
Bromoethene
Concen: 0.496 ppbv
RT: 3.81 min Scan# 271
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion	108	Resp	25838
Ion Ratio	100	Lower	Upper
108	100		
106	109.9	85.5	128.3
79	16.6	13.0	19.6





#15

Acetone

Concen: 0.570 ppbv

RT: 3.93 min Scan# 309

Delta R.T. -0.01 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 80791

Ion Ratio Lower Upper

43 100

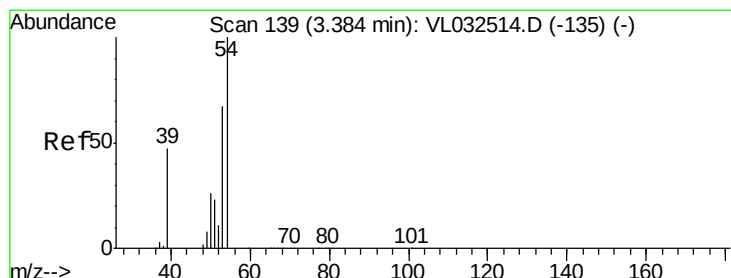
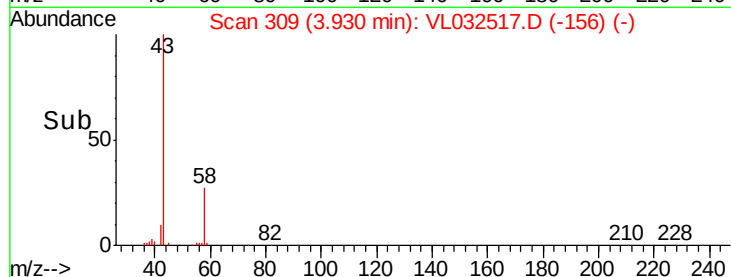
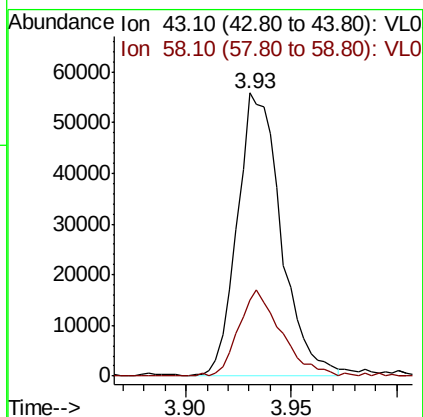
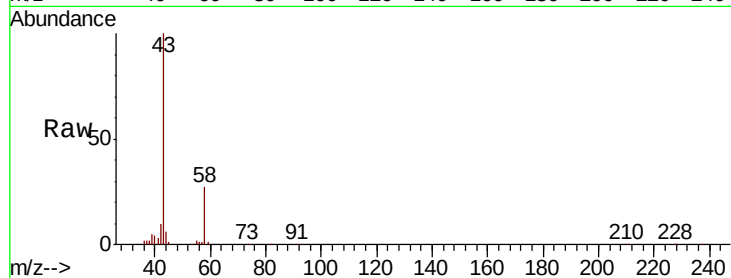
58 30.0 22.6 33.8

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#16

1,3-Butadiene

Concen: 0.450 ppbv

RT: 3.38 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL032517.D

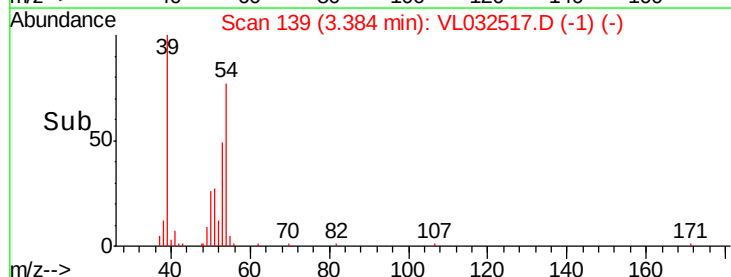
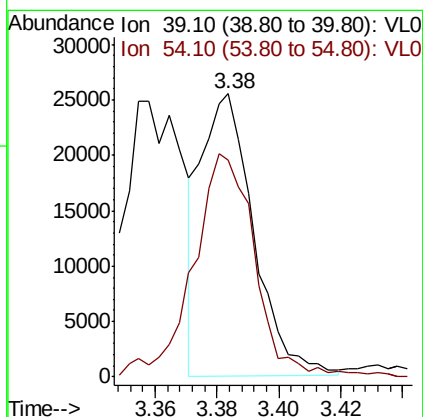
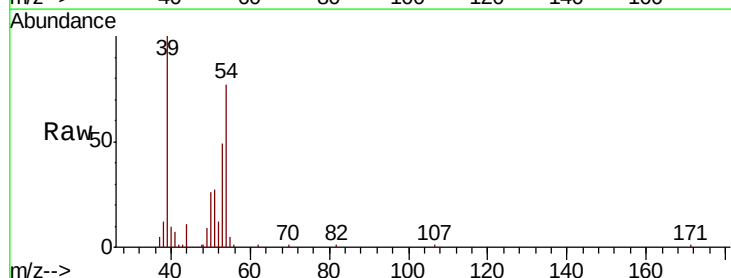
Acq: 24 Sep 2018 18:24

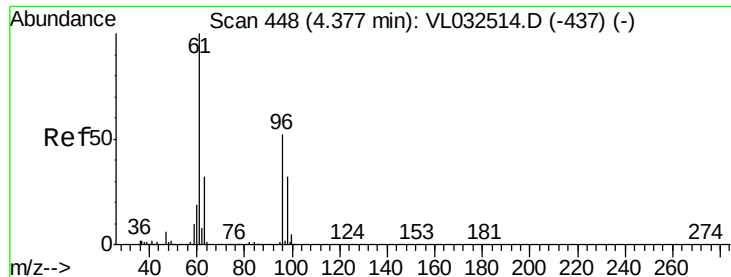
Tgt Ion: 39 Resp: 29956

Ion Ratio Lower Upper

39 100

54 94.0 80.8 121.2





#17

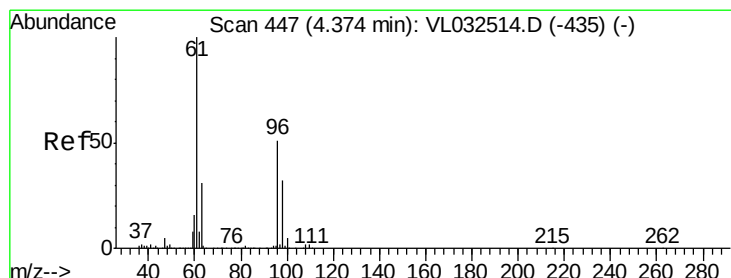
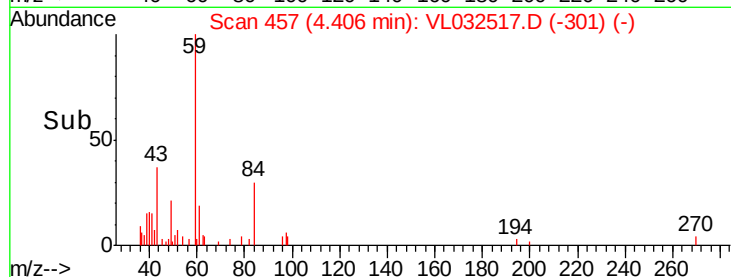
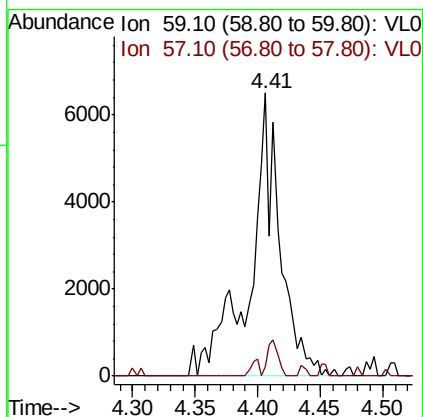
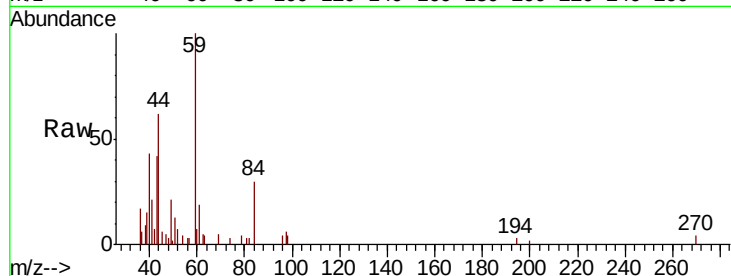
tert-Butyl alcohol
Concen: 0.501 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

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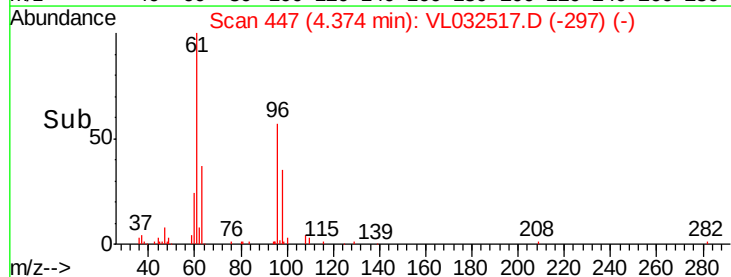
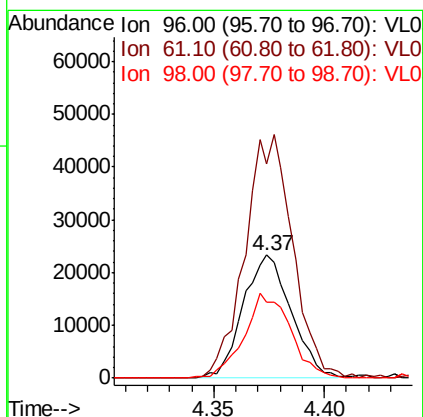
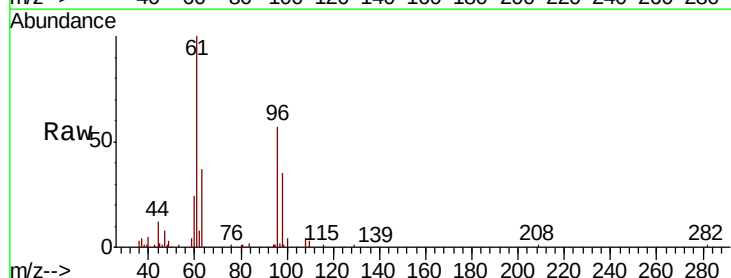
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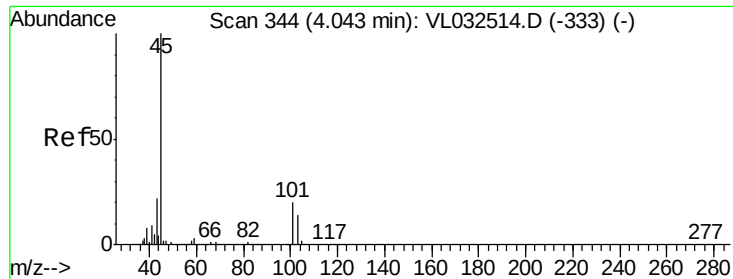


#18

1,1-Dichloroethene
Concen: 0.627 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.2	159.2	238.8
98	62.3	51.0	76.4





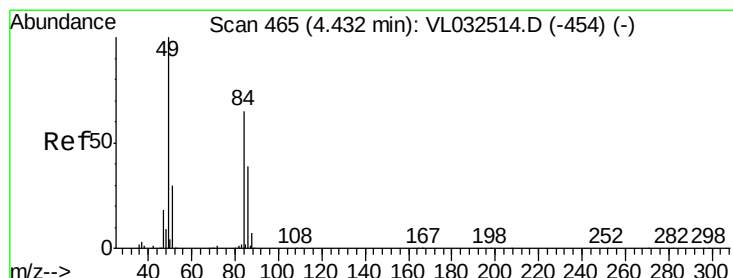
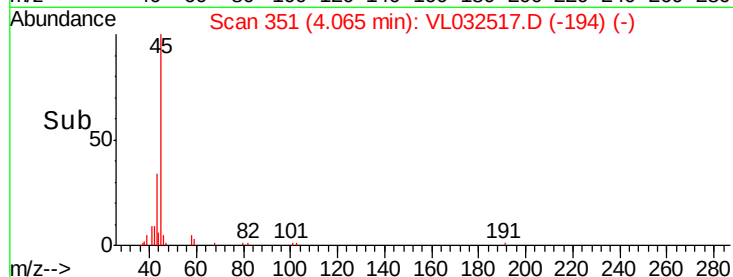
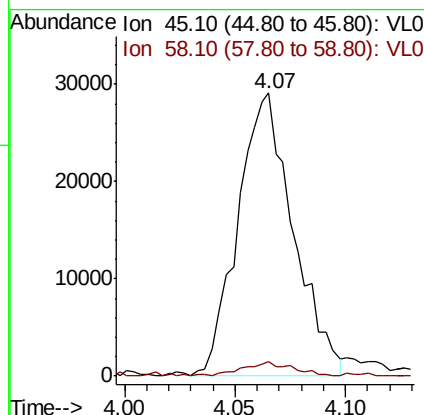
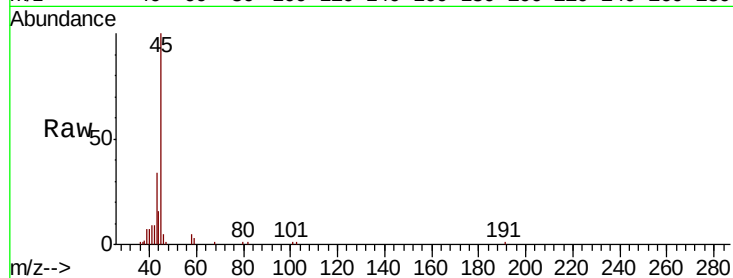
#19
Isopropyl Alcohol
Concen: 0.546 ppbv
RT: 4.07 min Scan# 351
Delta R.T. 0.00 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 50690
Ion Ratio Lower Upper
45 100
58 5.1 2.0 3.0#

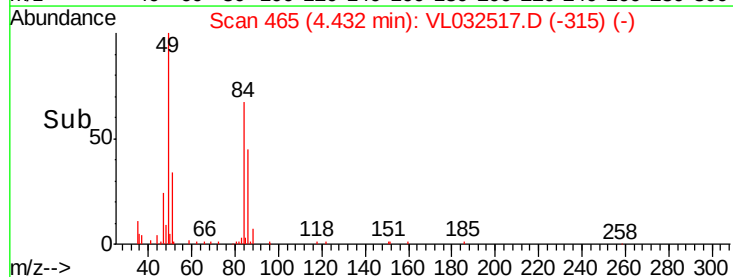
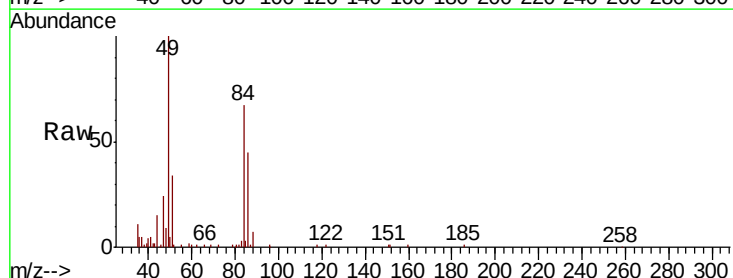
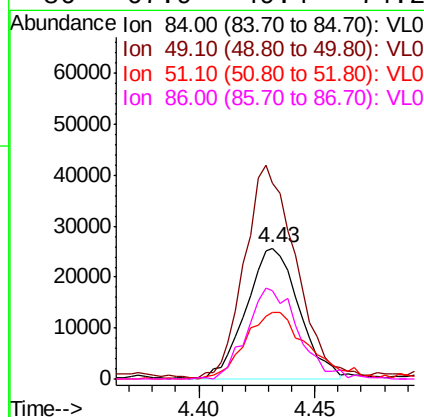
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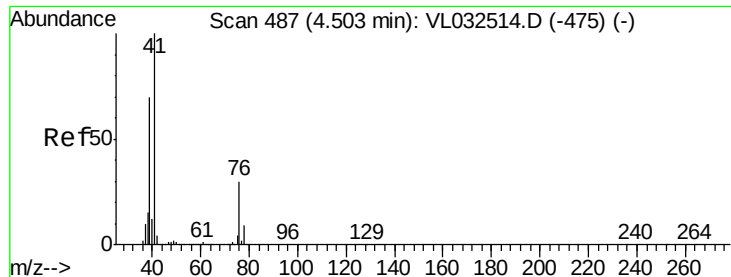
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#20
Methylene Chloride
Concen: 0.754 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion: 84 Resp: 40708
Ion Ratio Lower Upper
84 100
49 148.9 119.1 178.7
51 49.5 35.2 52.8
86 67.9 49.4 74.2





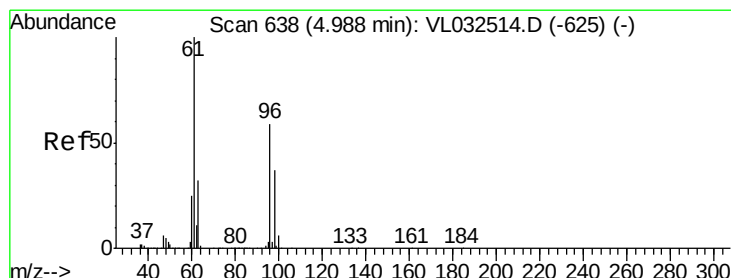
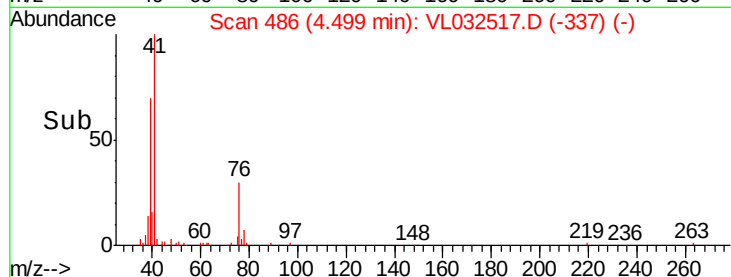
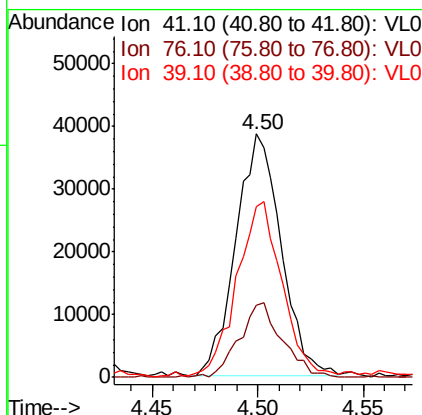
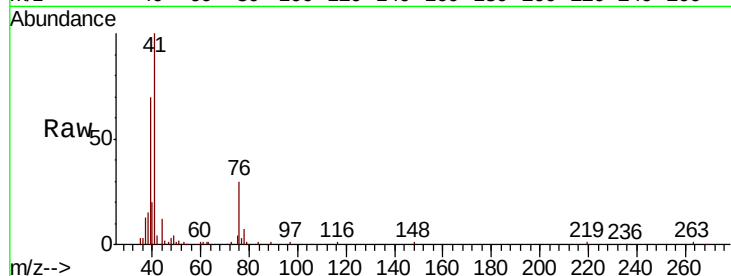
#21
Allvl Chloride
Concen: 0.612 ppbv
RT: 4.50 min Scan# 486
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:	41	Resp:	57565
Ion Ratio	Lower	Upper	
41	100		
76	28.9	23.6	35.4
39	73.7	57.7	86.5

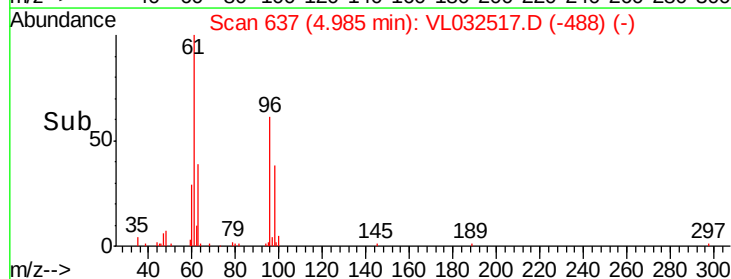
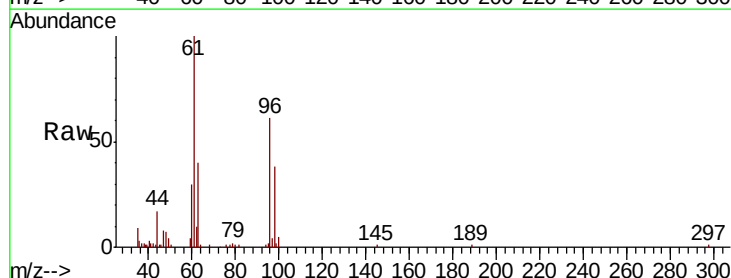
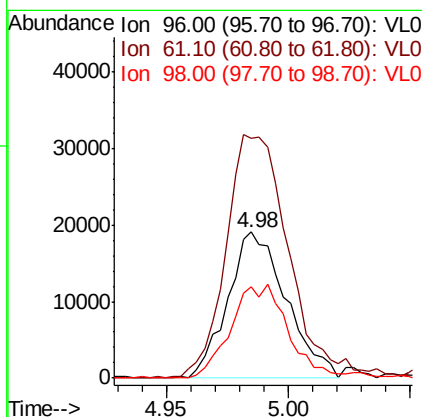
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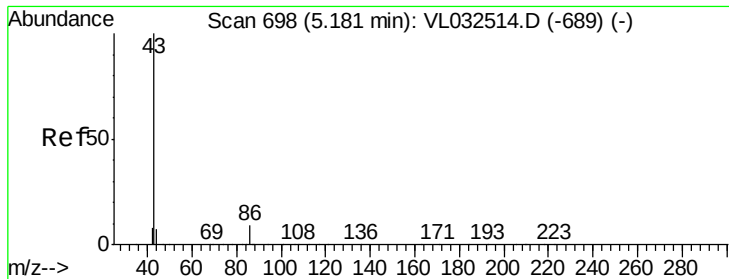
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#22
trans-1,2-Dichloroethene
Concen: 0.520 ppbv
RT: 4.98 min Scan# 637
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion:	96	Resp:	31701
Ion Ratio	Lower	Upper	
96	100		
61	155.4	136.2	204.4
98	62.2	50.4	75.6





#23

Vinyl Acetate

Concen: 0.428 ppbv

RT: 5.18 min Scan# 699

Delta R.T. -0.01 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

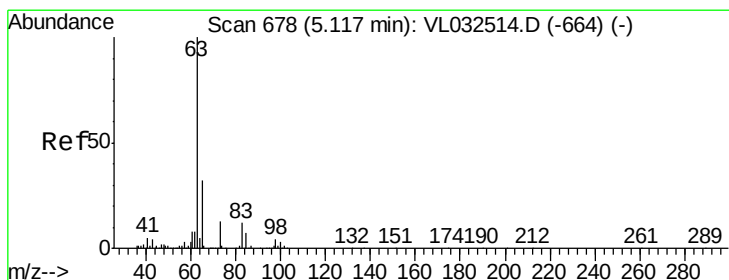
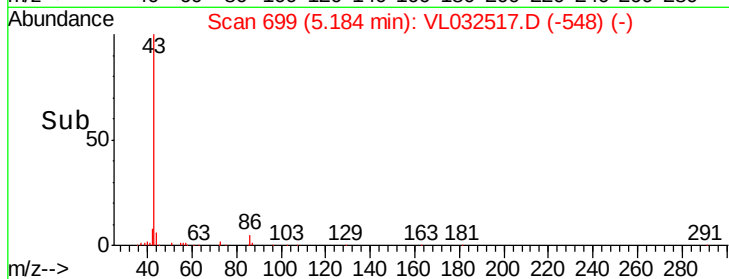
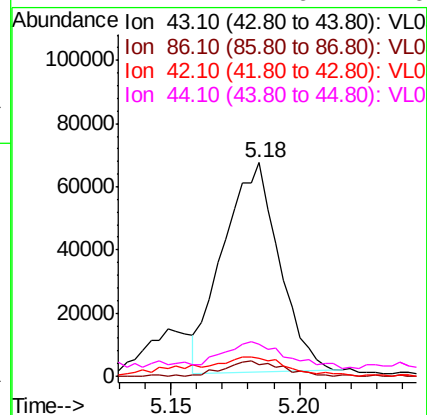
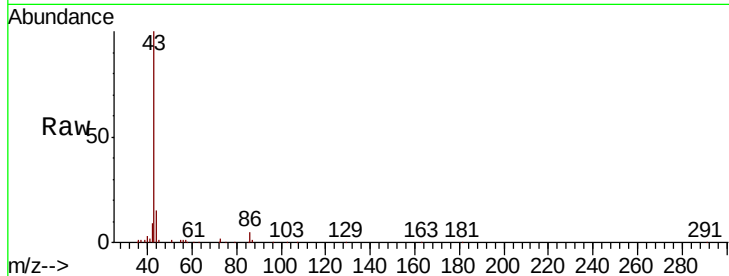
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
86	5.1	5.9	8.9#
42	7.5	6.9	10.3
44	11.4	4.6	7.0#

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#24

1,1-Dichloroethane

Concen: 0.566 ppbv

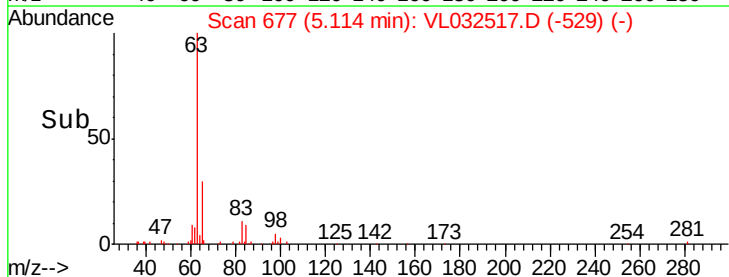
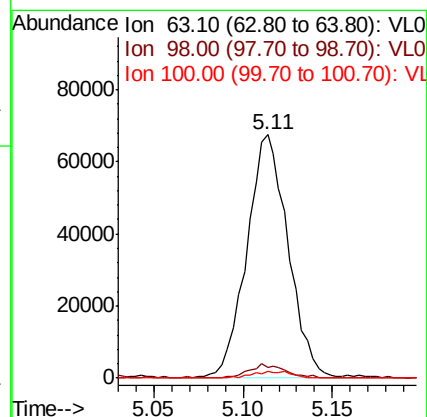
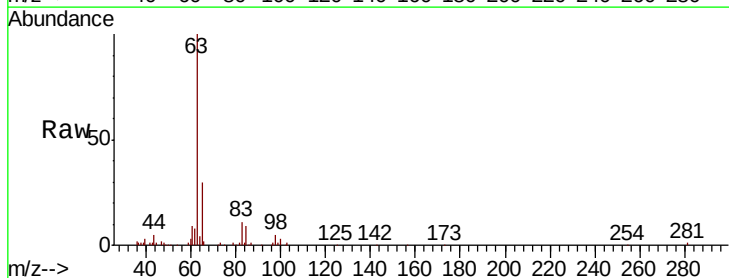
RT: 5.11 min Scan# 677

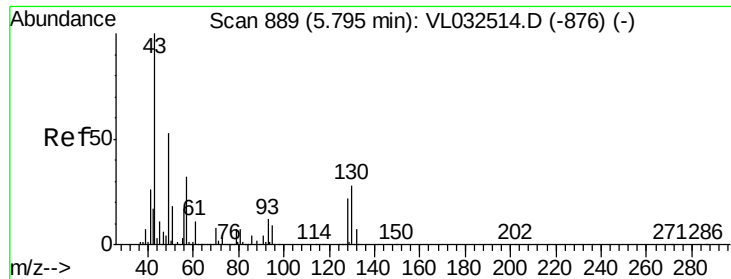
Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.5
100	2.8	1.5	4.4





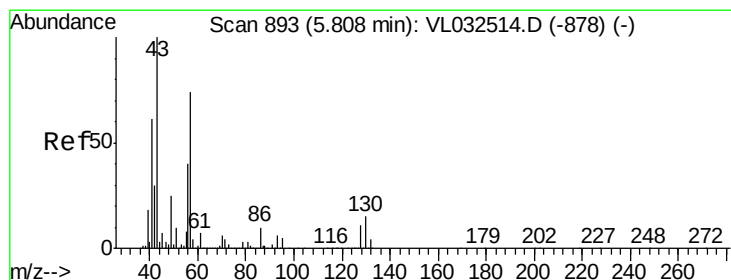
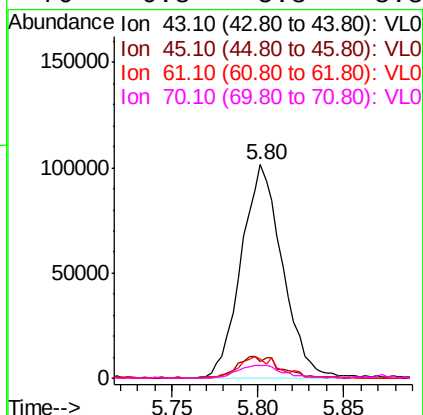
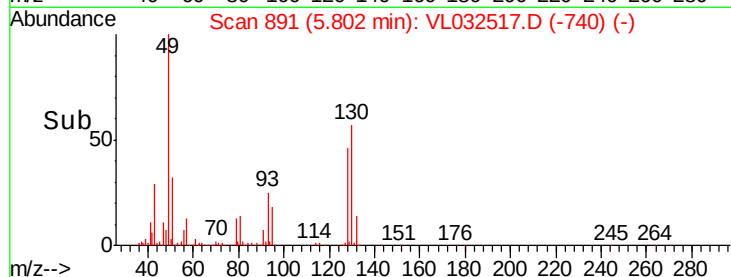
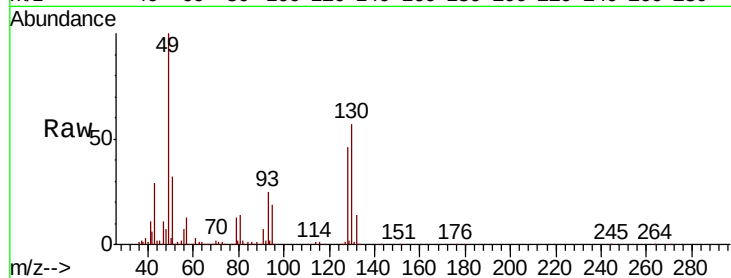
#25
Ethyl Acetate
Concen: 0.504 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
45	11.1	8.0	12.0	
61	10.3	7.6	11.4	
70	6.8	5.8	8.8	

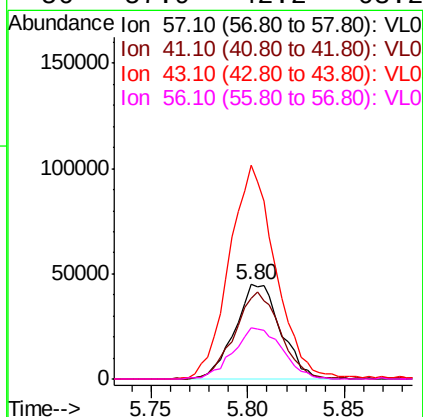
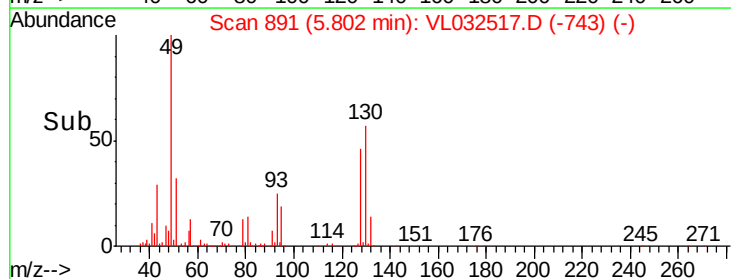
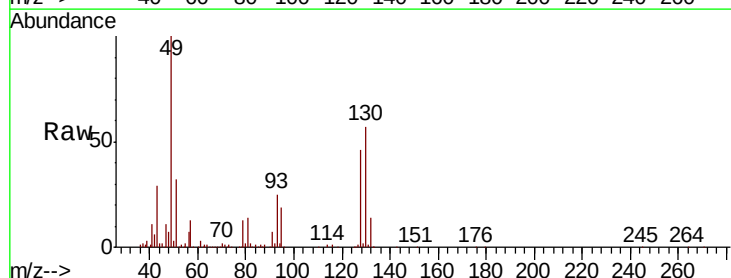
Manual Integrations
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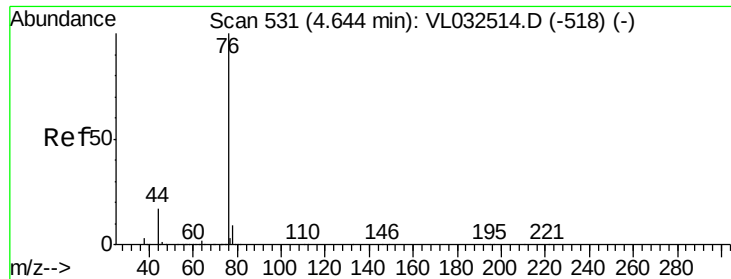
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#26
Hexane
Concen: 0.492 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
57	100			
41	92.5	69.0	103.4	
43	235.5	172.1	258.1	
56	57.9	42.2	63.2	





#27

Carbon Disulfide

Concen: 0.583 ppbv

RT: 4.65 min Scan# 532

Delta R.T. -0.01 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

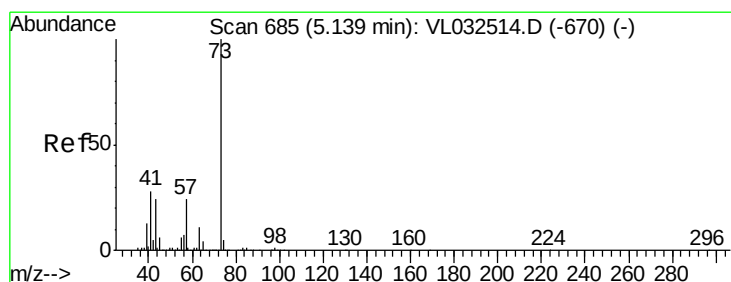
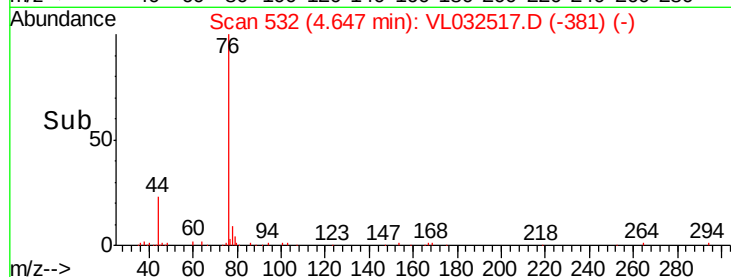
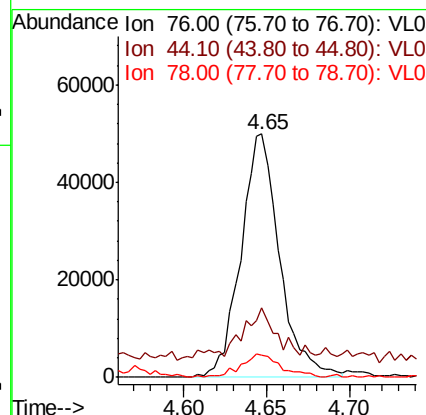
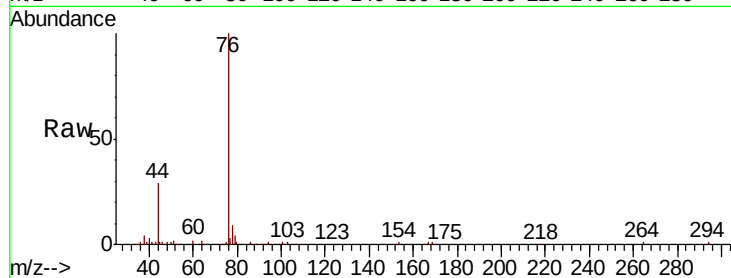
VSTDIC0.5

Tot Ion:	76	Resp:	80608
Ion Ratio	Lower	Upper	
76	100		
44	30.6	14.0	21.0#
78	10.0	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 0.437 ppbv

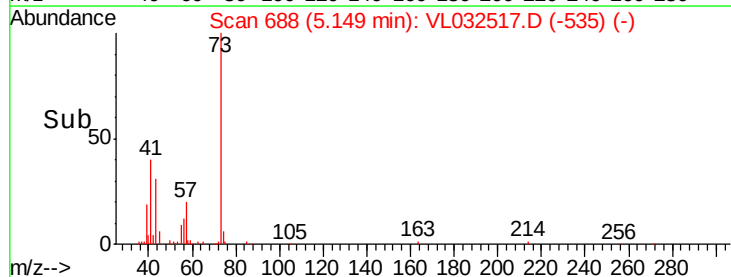
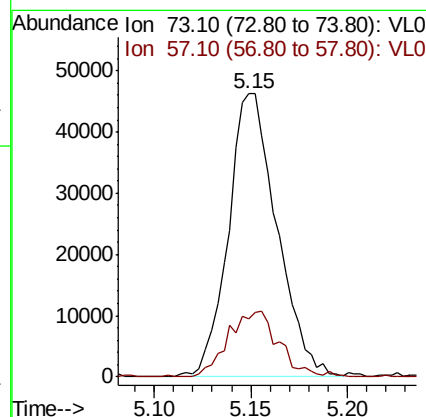
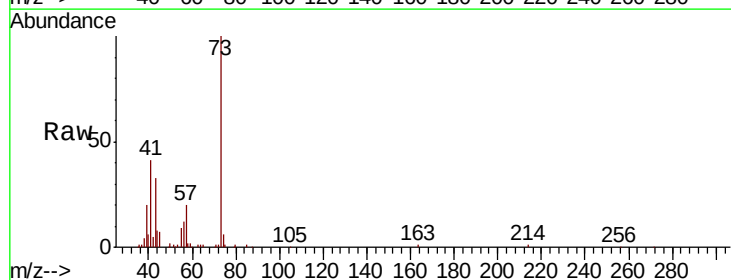
RT: 5.15 min Scan# 688

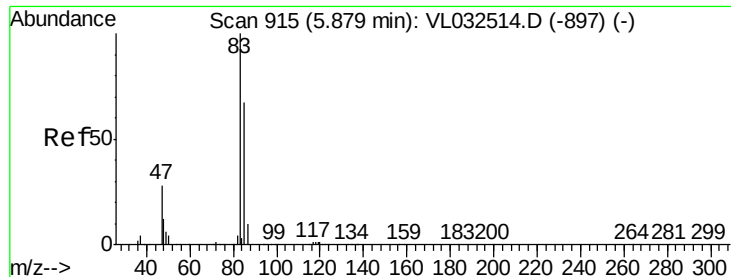
Delta R.T. -0.01 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion:	73	Resp:	80267
Ion Ratio	Lower	Upper	
73	100		
57	24.4	19.3	28.9





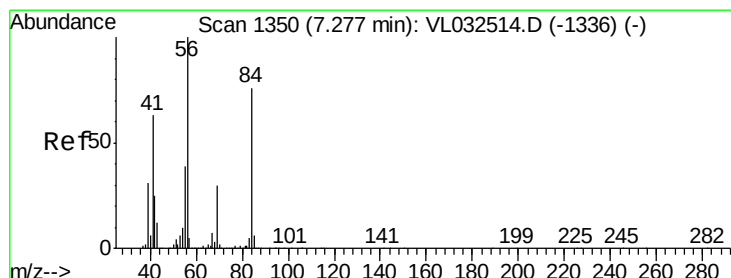
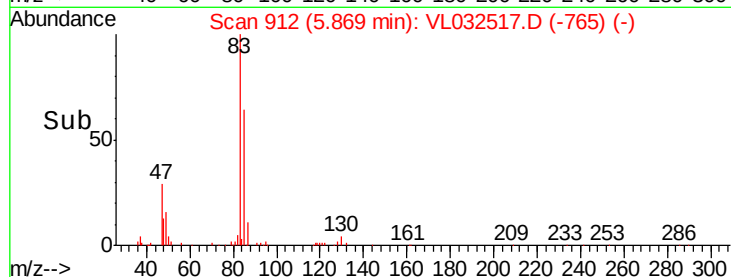
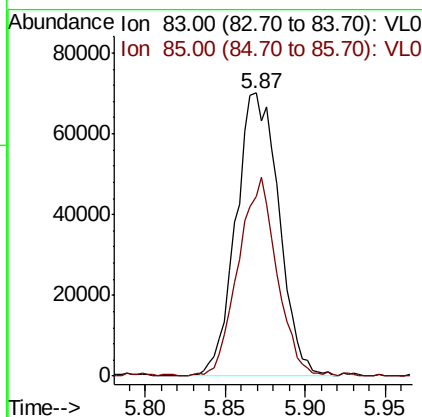
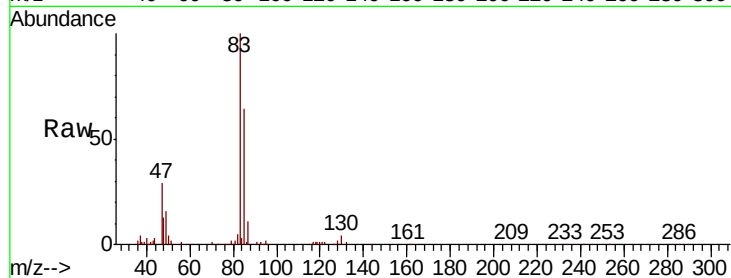
#29
Chloroform
Concen: 0.562 ppbv
RT: 5.87 min Scan# 912
Delta R.T. -0.03 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	128395
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	52.5	78.7

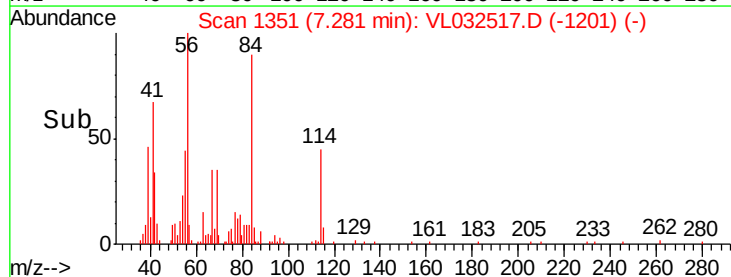
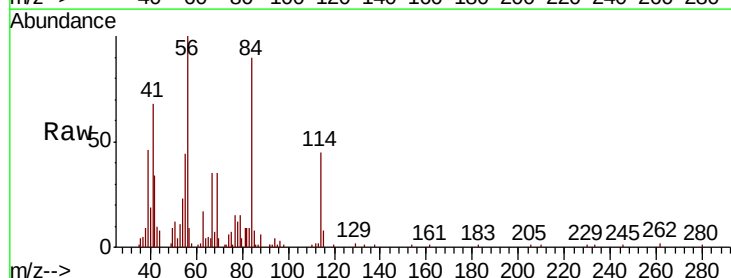
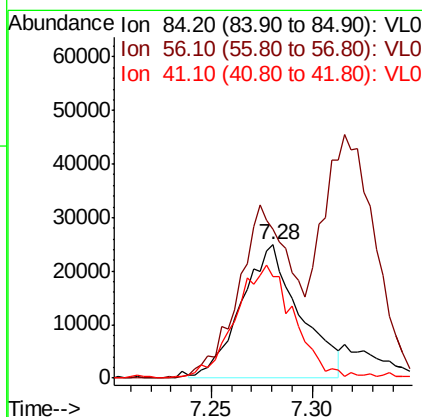
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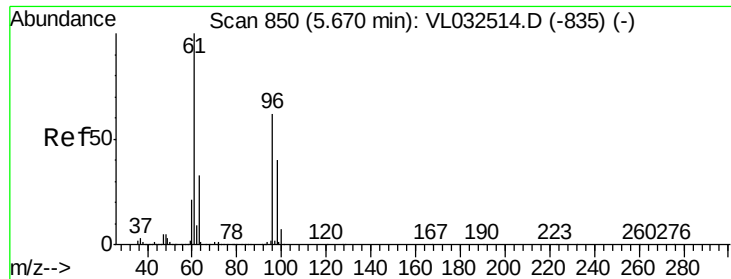
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#30
Cyclohexane
Concen: 0.462 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion	84	Resp	50613
Ion Ratio	100	Lower	Upper
84	100		
56	103.9	113.5	170.3#
41	86.8	68.1	102.1





#31

cis-1,2-Dichloroethene

Concen: 0.459 ppbv

RT: 5.66 min Scan# 848

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

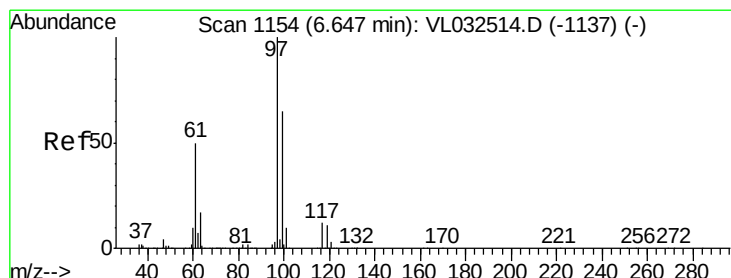
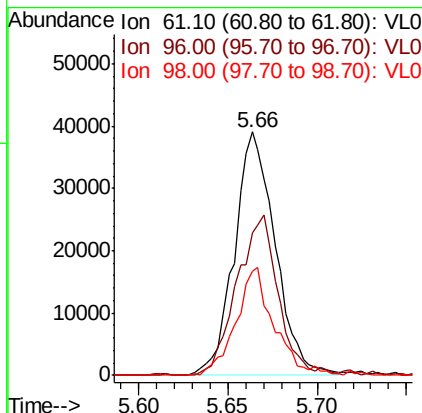
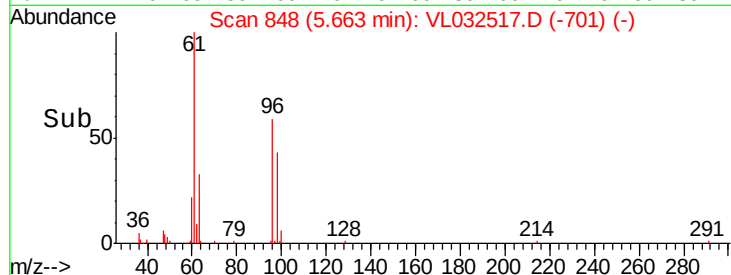
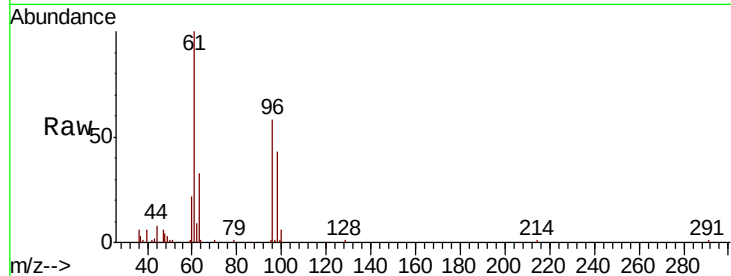
ClientSampleId :

VSTDIC0.5

Tot Ion:	61	Resp:	62175
Ion Ratio	Lower	Upper	
61	100		
96	58.0	49.2	73.8
98	42.5	30.7	46.1

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#32

1,1,1-Trichloroethane

Concen: 0.569 ppbv

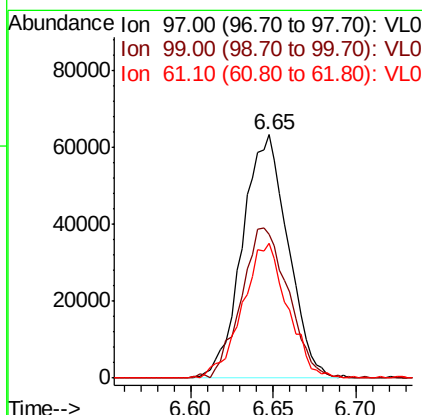
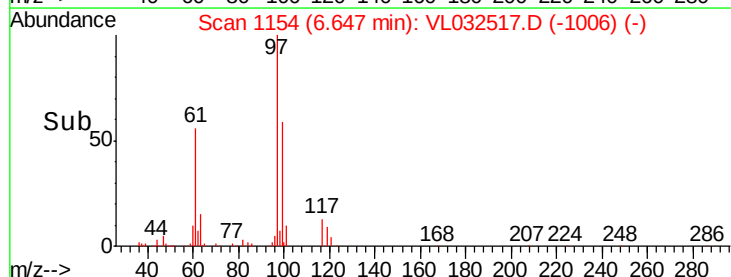
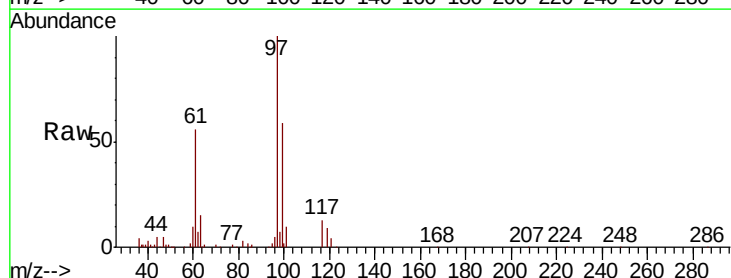
RT: 6.65 min Scan# 1154

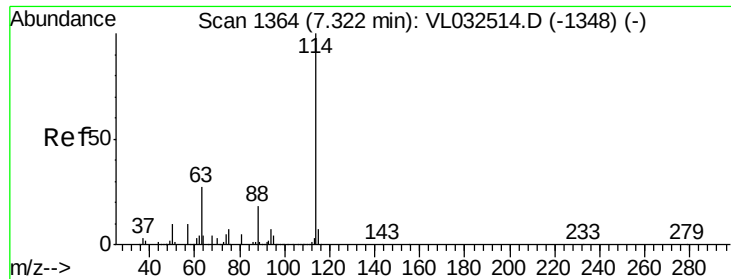
Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion:	97	Resp:	121059
Ion Ratio	Lower	Upper	
97	100		
99	63.5	52.1	78.1
61	54.5	42.5	63.7





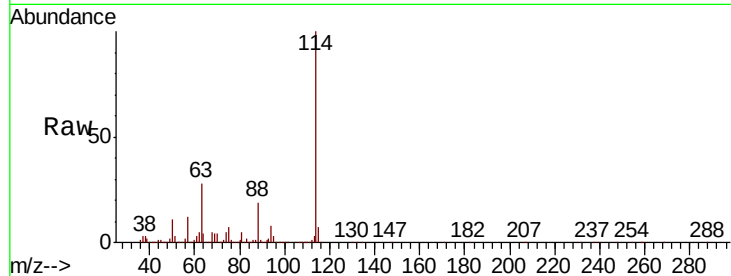
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.03 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

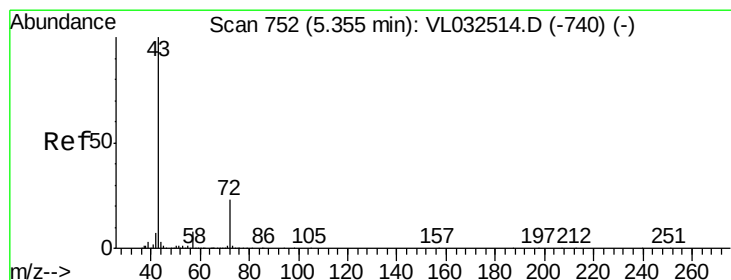
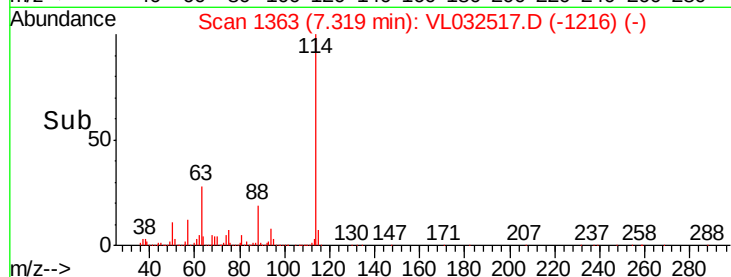
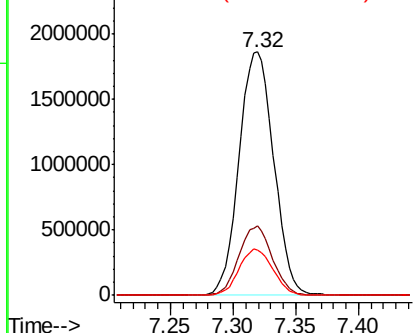
Tot Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.4
88	18.7	15.0	22.4

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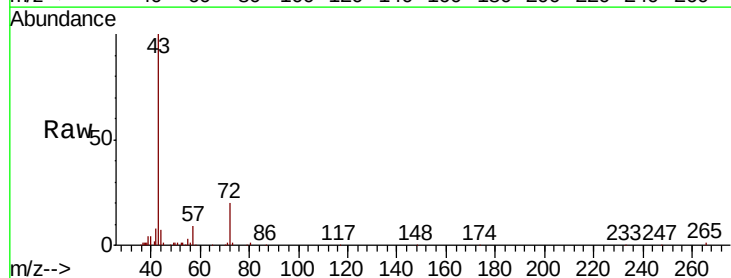


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

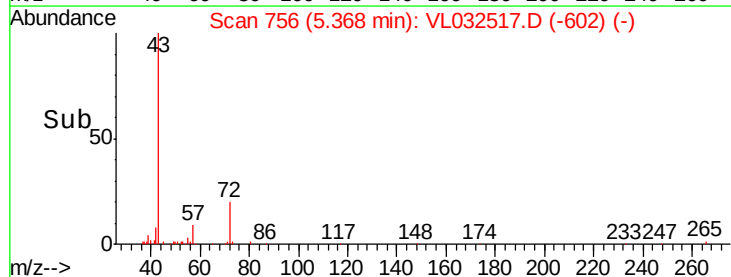
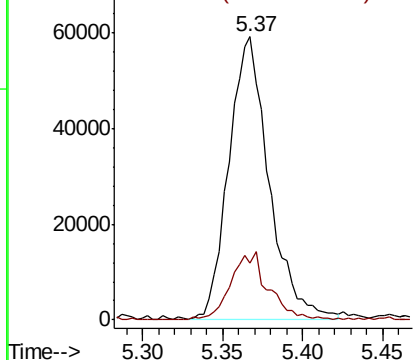


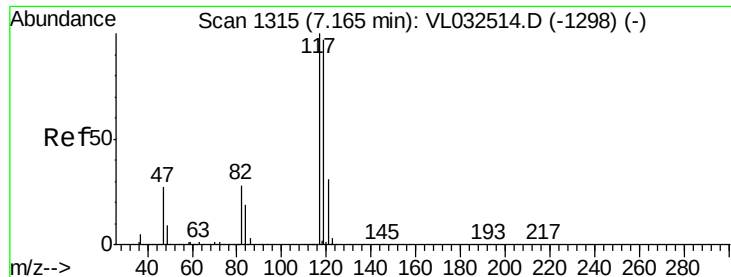
#34
 2-Butanone
 Concen: 0.425 ppbv
 RT: 5.37 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.8	26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.505 ppbv

RT: 7.16 min Scan# 1313

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

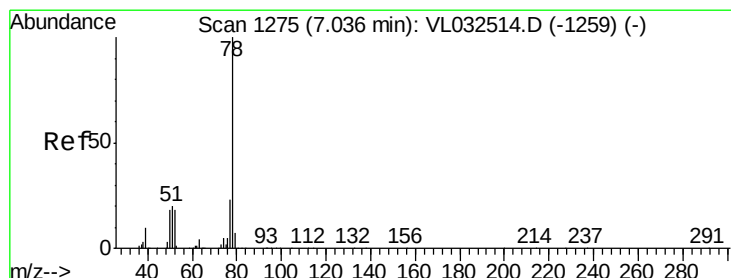
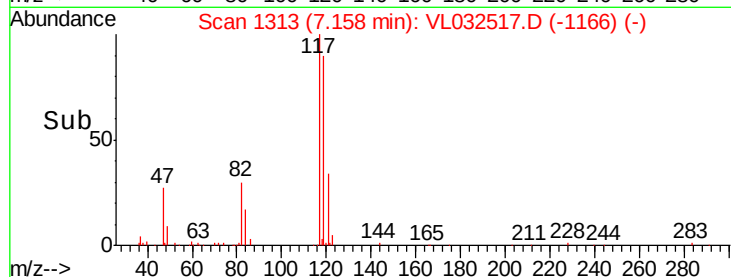
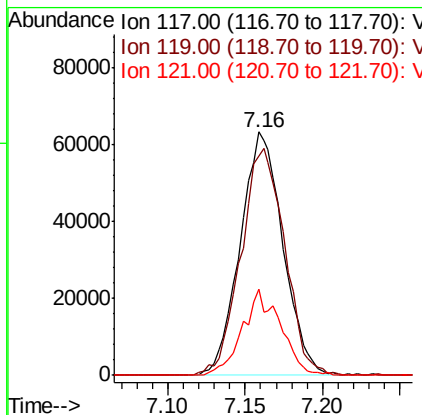
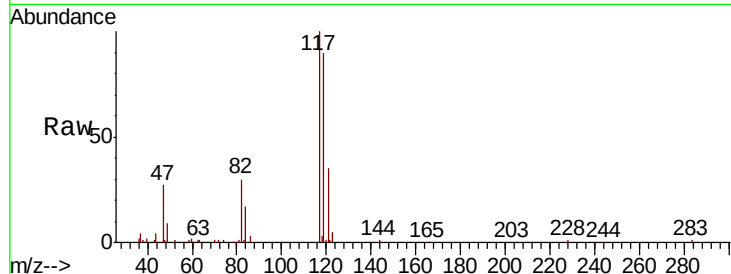
VSTDIC0.5

Tot Ion:	117	Resp:	121768
Ion Ratio	Lower	Upper	
117	100		
119	89.8	76.6	115.0
121	35.3	24.6	36.8

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#36

Benzene

Concen: 0.433 ppbv

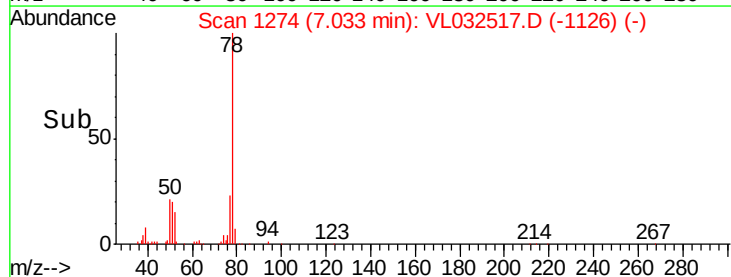
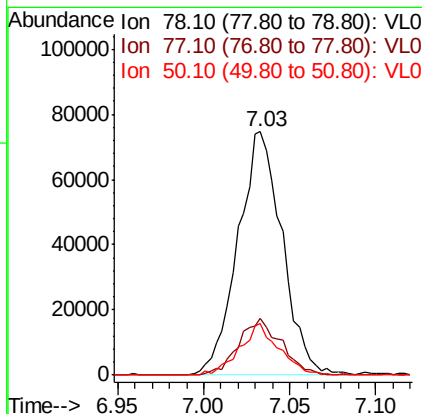
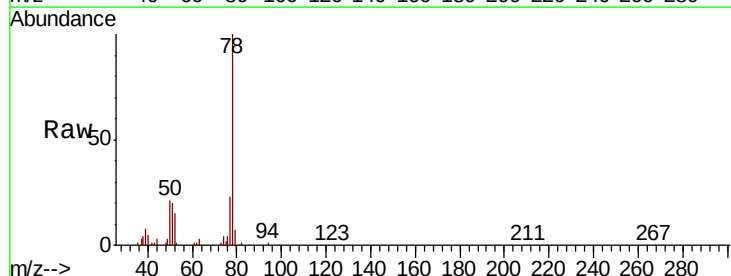
RT: 7.03 min Scan# 1274

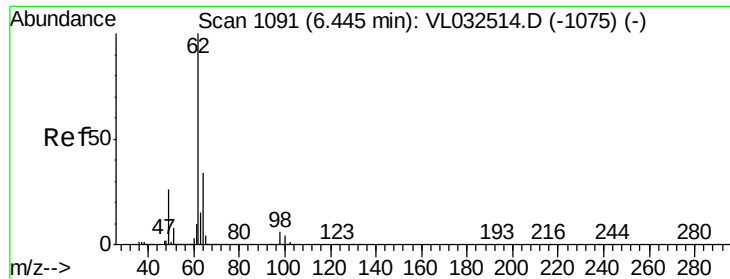
Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion:	78	Resp:	132165
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.4	27.6
50	21.3	14.4	21.6





#37

1,2-Dichloroethane

Concen: 0.466 ppbv

RT: 6.44 min Scan# 1089

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 87158

Ion Ratio Lower Upper

62 100

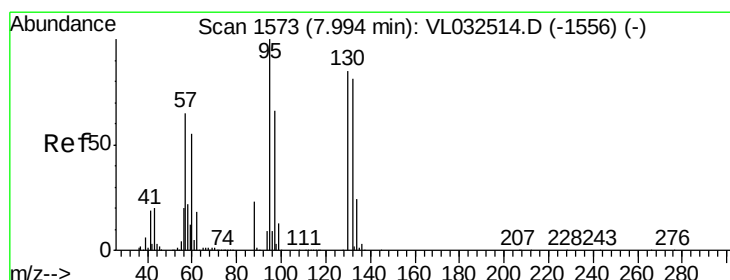
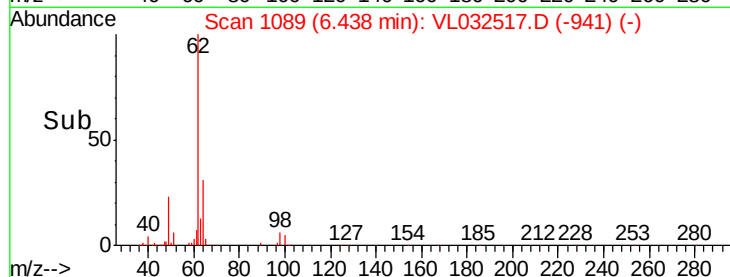
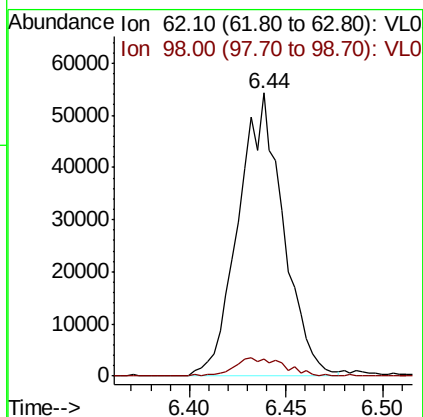
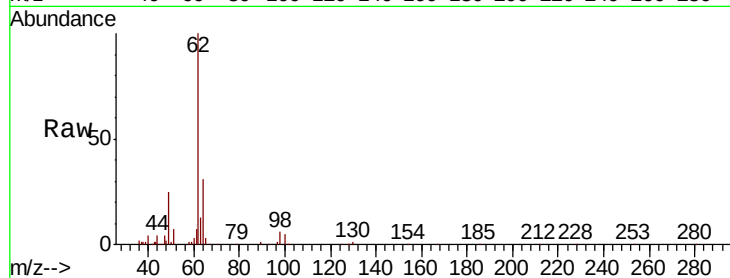
98 7.3 5.0 7.6

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#38

Trichloroethene

Concen: 0.452 ppbv m

RT: 7.99 min Scan# 1571

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion: 130 Resp: 52426

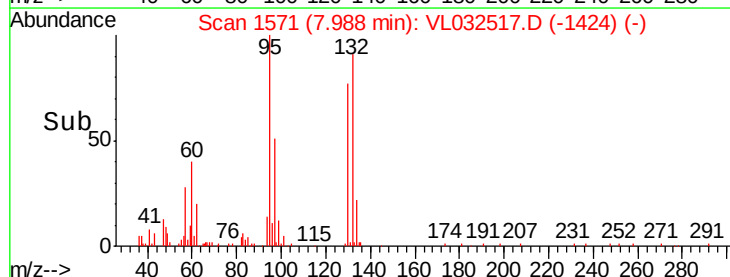
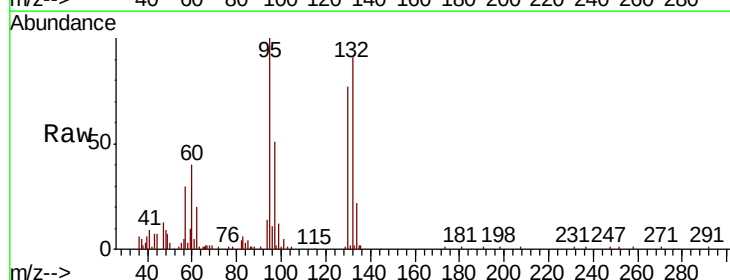
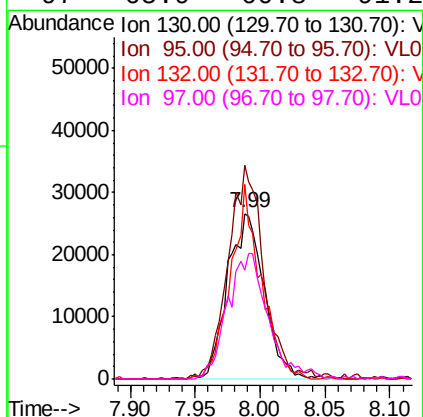
Ion Ratio Lower Upper

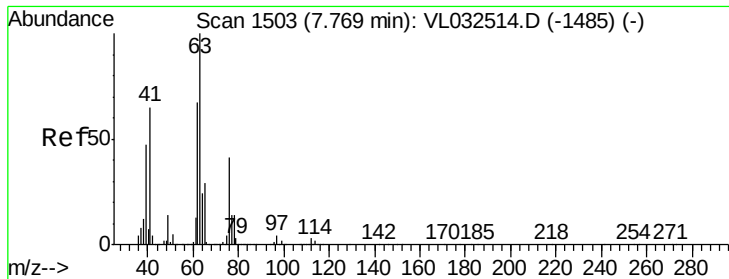
130 100

95 129.2 94.2 141.4

132 117.6 76.2 114.4#

97 65.9 60.8 91.2





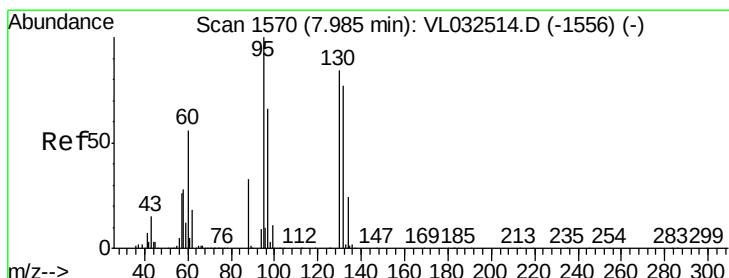
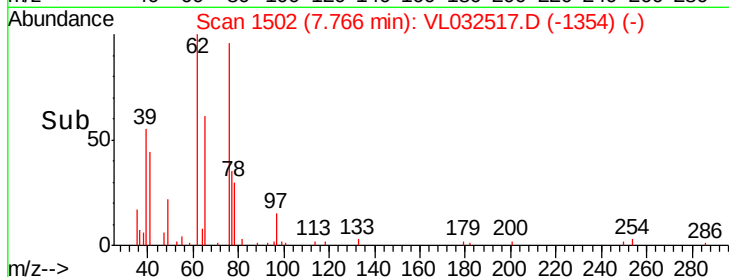
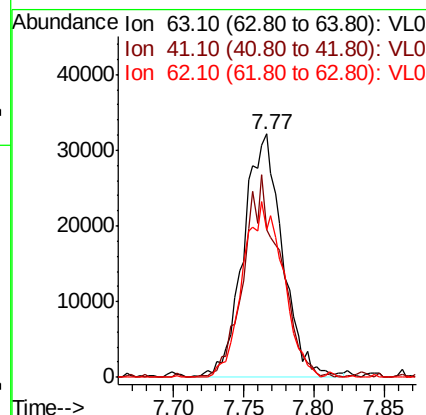
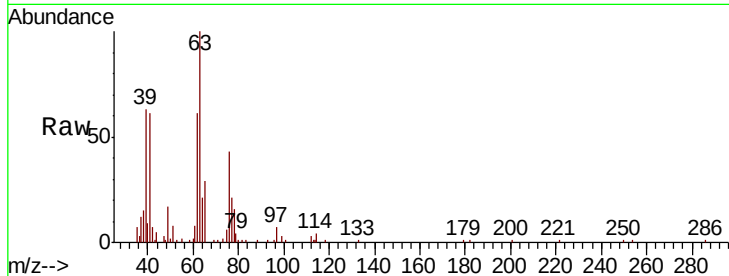
#39
 1,2-Dichloropropane
 Concen: 0.475 ppbv m
 RT: 7.77 min Scan# 1502
 Delta R.T. -0.02 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	60.5	55.4	83.0
62	60.8	55.4	83.0

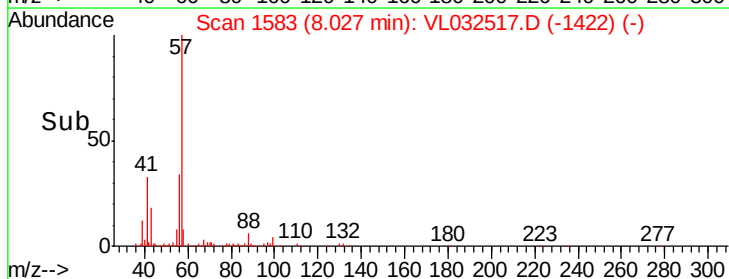
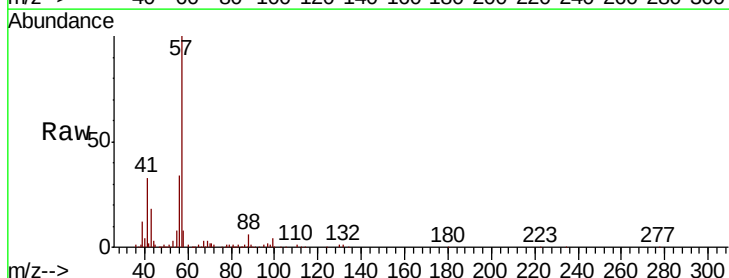
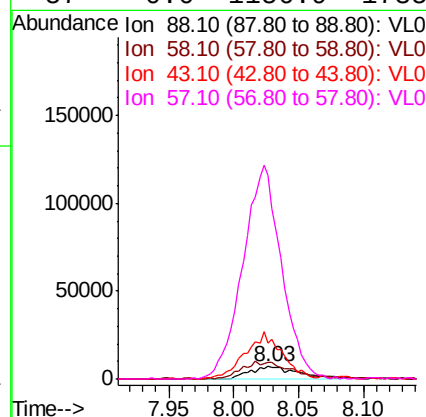
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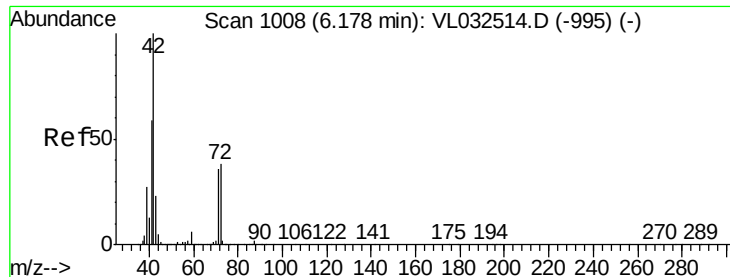
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#40
 1,4-Dioxane
 Concen: 0.483 ppbv m
 RT: 8.03 min Scan# 1583
 Delta R.T. 0.02 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

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





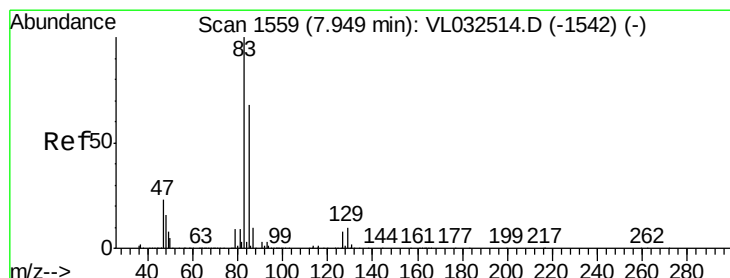
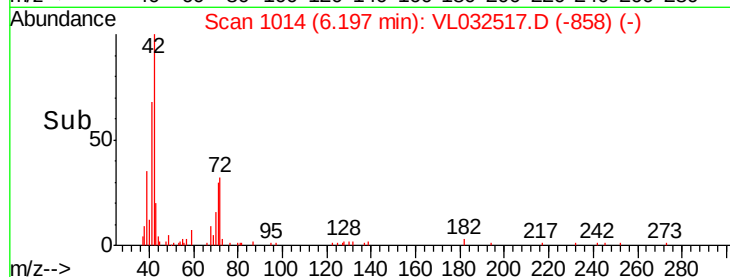
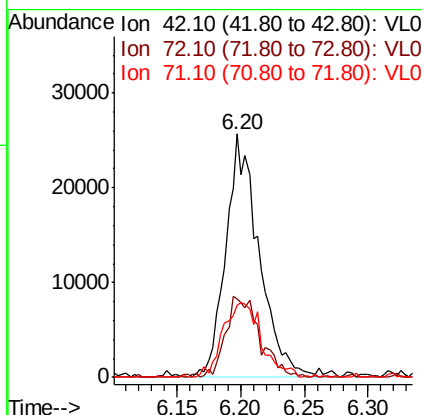
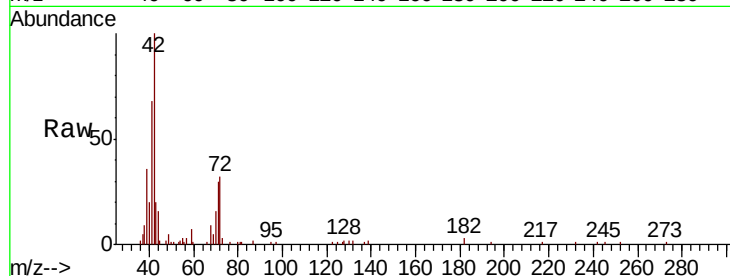
#41
Tetrahydrofuran
Concen: 0.362 ppbv m
RT: 6.20 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
42	100	46988		
72	34.3		29.5	44.3
71	0.0		28.3	42.5#

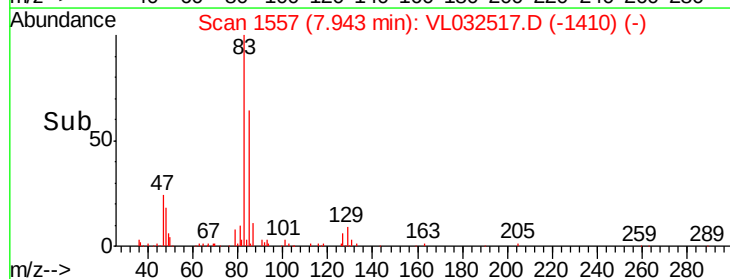
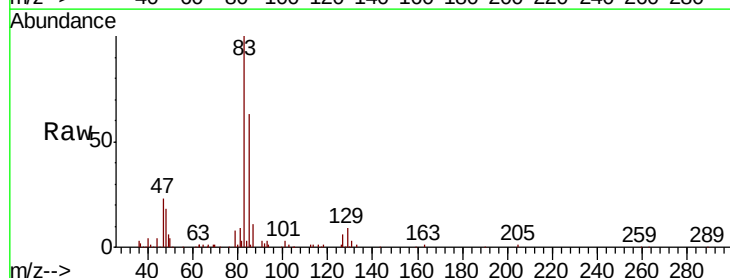
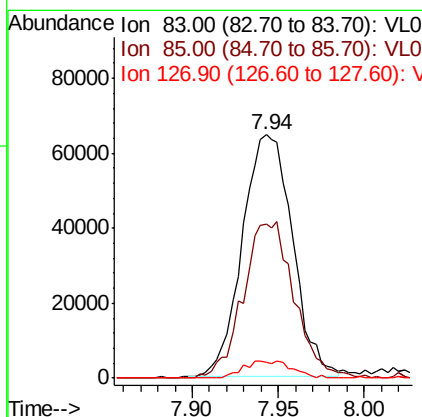
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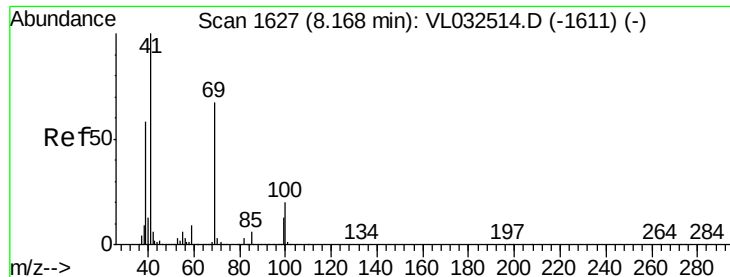
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#42
Bromodichloromethane
Concen: 0.507 ppbv
RT: 7.94 min Scan# 1557
Delta R.T. -0.03 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	130896		
85	63.0		51.1	76.7
127	6.4		5.8	8.8





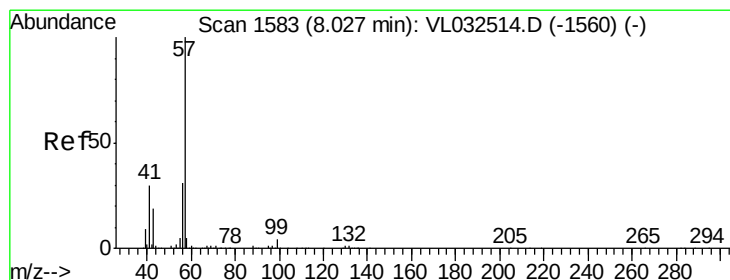
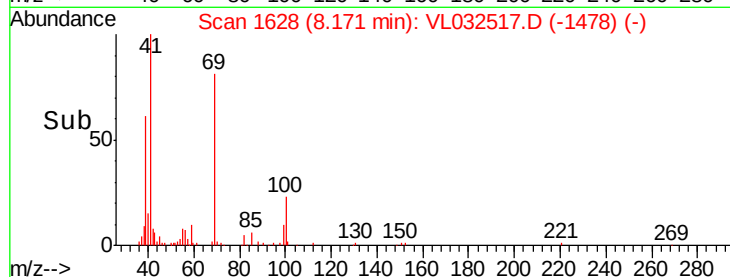
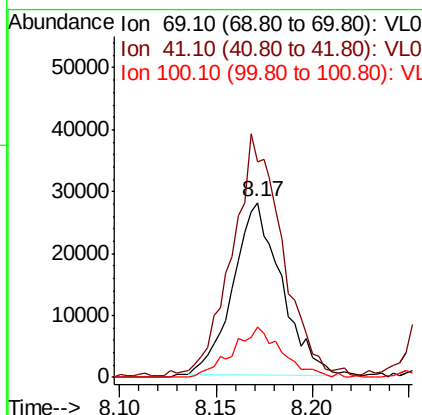
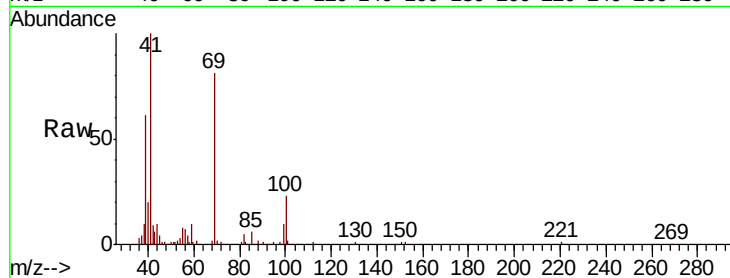
#43
Methyl Methacrylate
Concen: 0.372 ppbv
RT: 8.17 min Scan# 1628
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	149.8	117.1	175.7	
100	30.0	23.4	35.2	

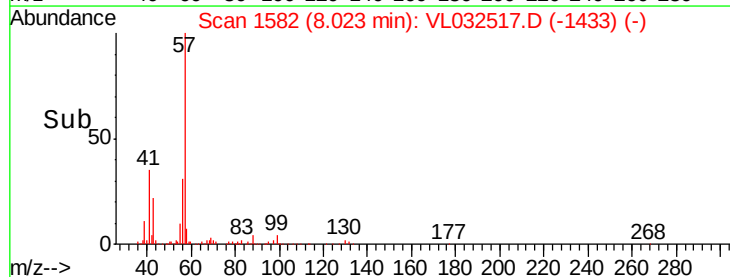
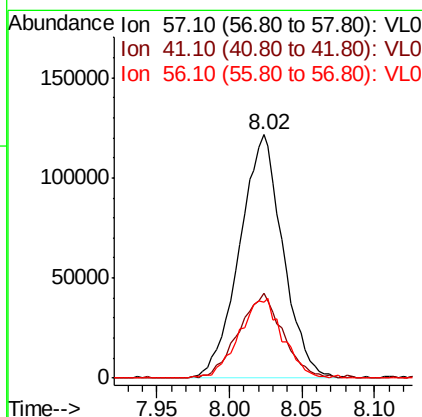
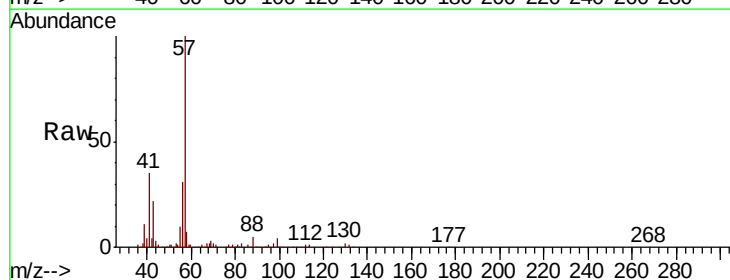
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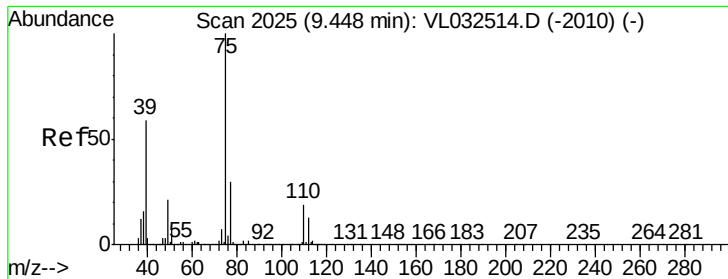
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#44
2,2,4-Trimethylpentane
Concen: 0.427 ppbv
RT: 8.02 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.0	24.4	36.6	
56	33.5	25.7	38.5	





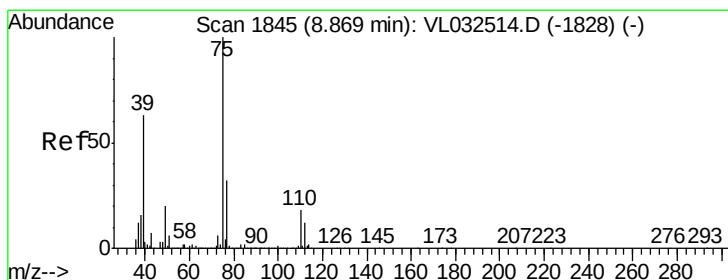
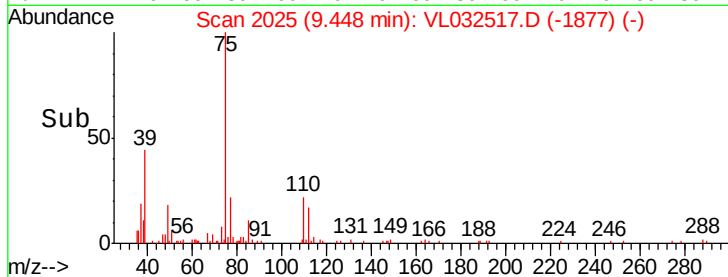
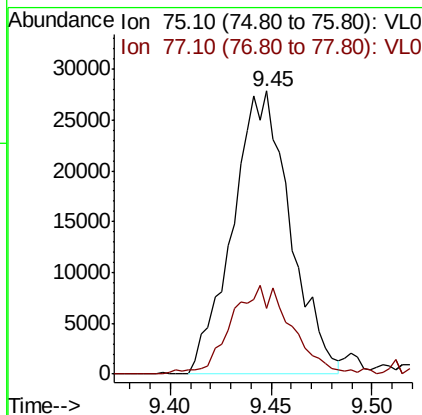
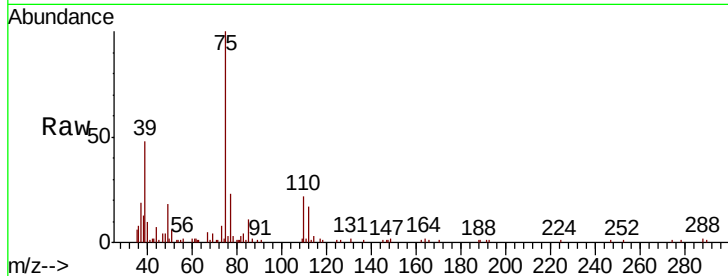
#45
t-1,3-Dichloropropene
Concen: 0.401 ppbv
RT: 9.45 min Scan# 2025
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 75 Resp: 55593
Ion Ratio Lower Upper
75 100
77 23.0 26.2 39.2#

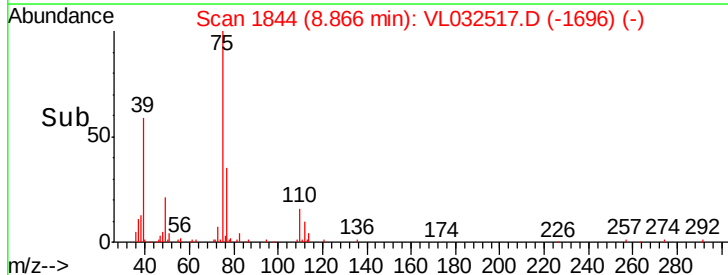
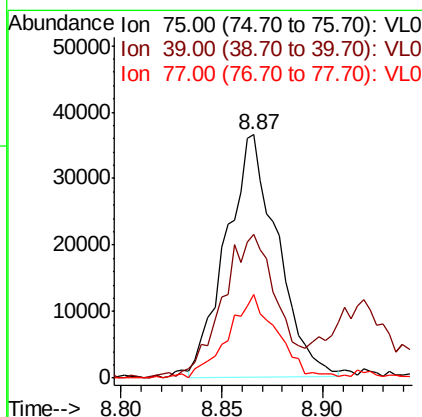
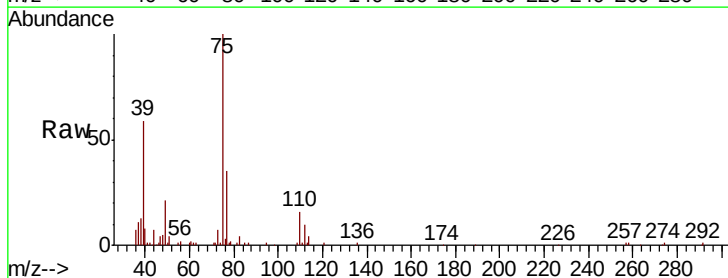
Manual Integrations
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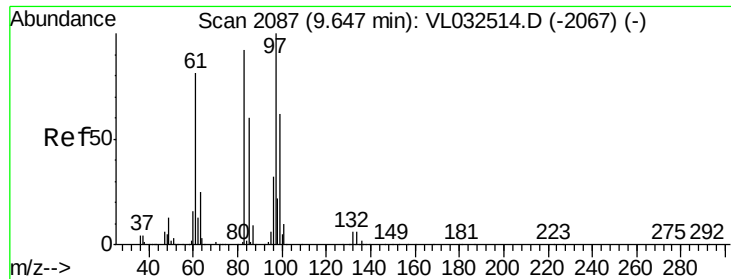
apatel
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#46
cis-1,3-Dichloropropene
Concen: 0.369 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion: 75 Resp: 65328
Ion Ratio Lower Upper
75 100
39 56.8 48.9 73.3
77 35.4 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 0.528 ppbv m

RT: 9.64 min Scan# 2085

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

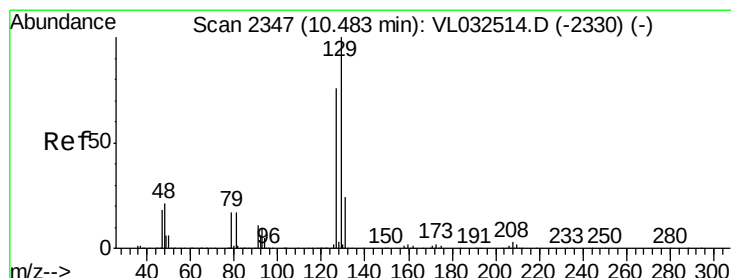
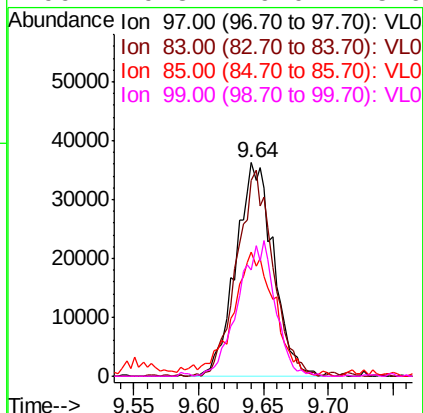
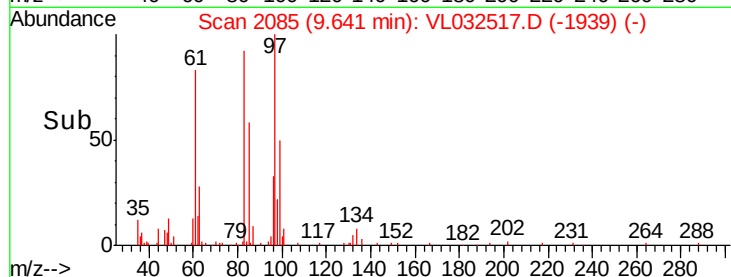
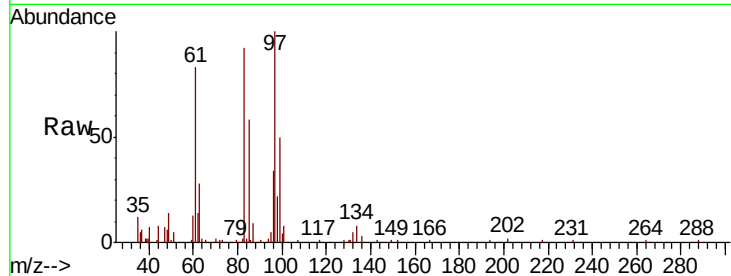
VSTDIC0.5

Tot Ion:	97	Resp:	73310
Ion	Ratio	Lower	Upper
97	100		
83	91.6	75.0	112.4
85	58.2	47.5	71.3
99	49.8	49.0	73.6

Manual Integrations
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#48

Dibromochloromethane

Concen: 0.560 ppbv

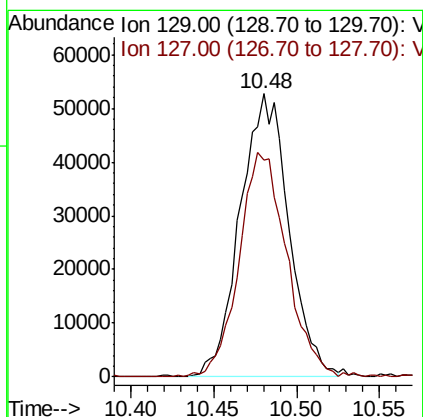
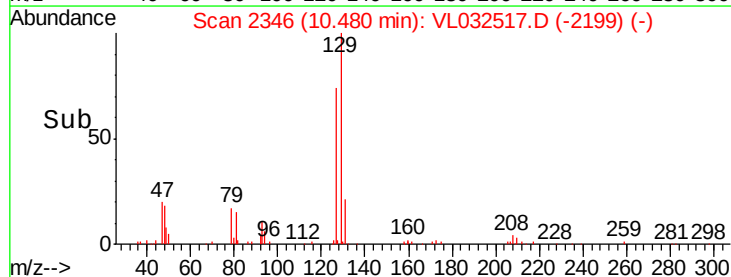
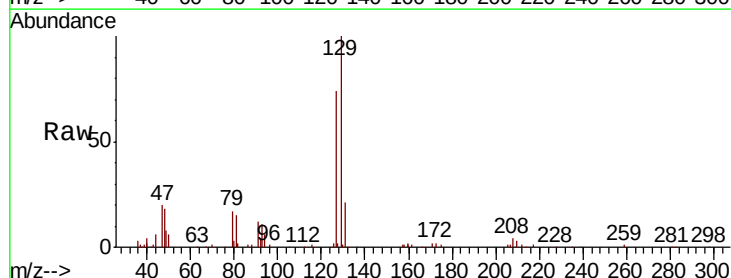
RT: 10.48 min Scan# 2346

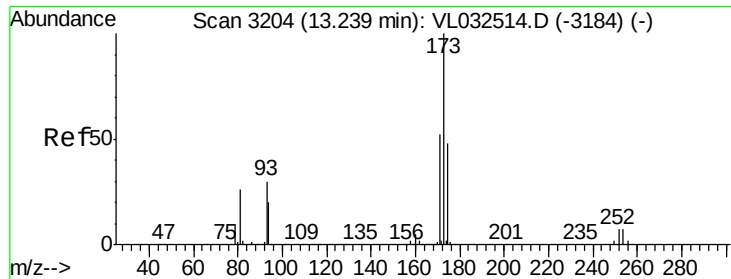
Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion:	129	Resp:	107822
Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.5	118.3





#49

Bromoform

Concen: 0.486 ppbv m

RT: 13.23 min Scan# 3202

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

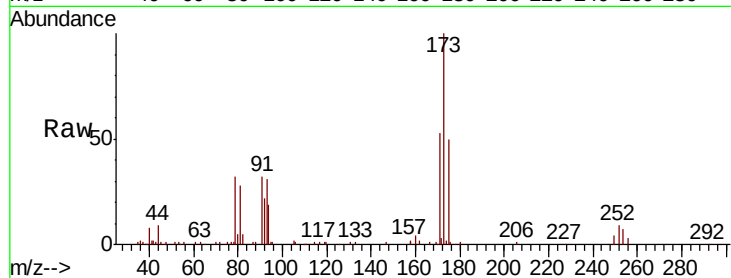
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	81325
Ion Ratio	Lower	Upper	
173	100		
175	0.0	38.9	58.3#
171	0.0	41.6	62.4#

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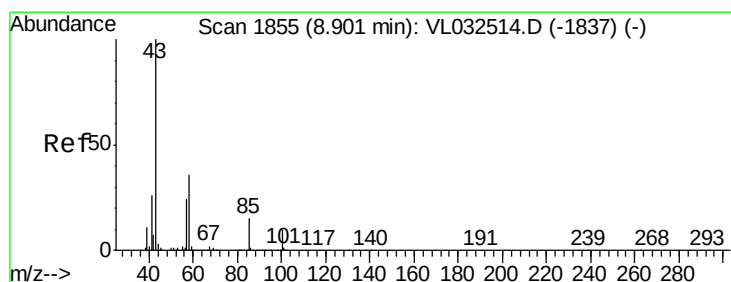
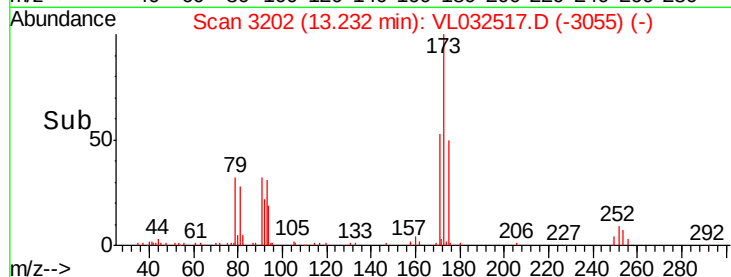
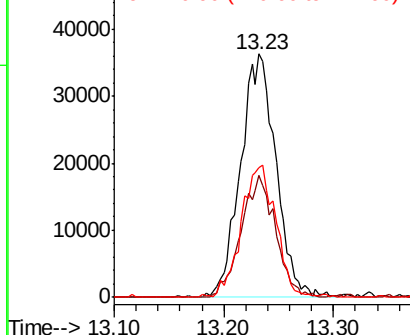


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.404 ppbv

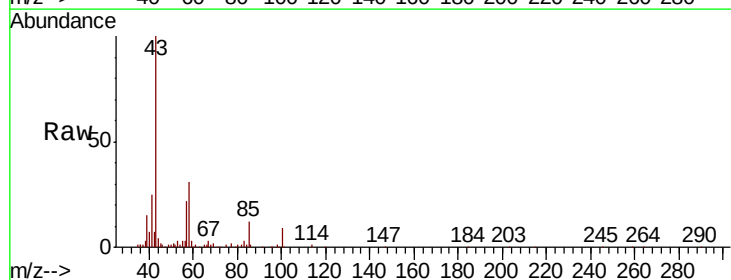
RT: 8.92 min Scan# 1860

Delta R.T. -0.01 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

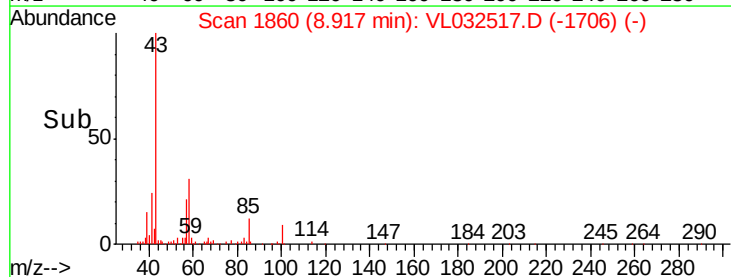
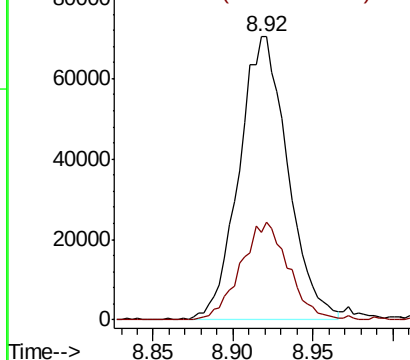
Tgt Ion:	43	Resp:	145092
Ion Ratio	Lower	Upper	
43	100		
58	34.5	29.0	43.4

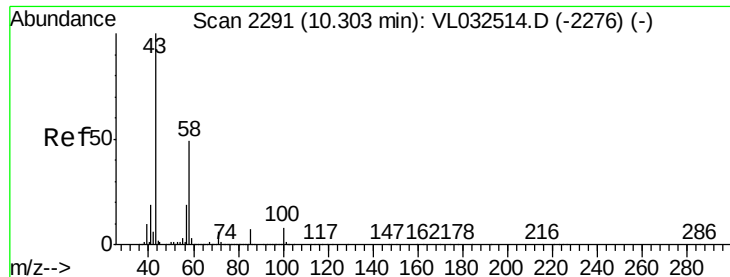


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





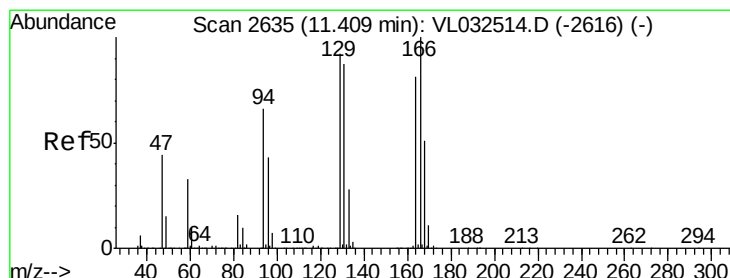
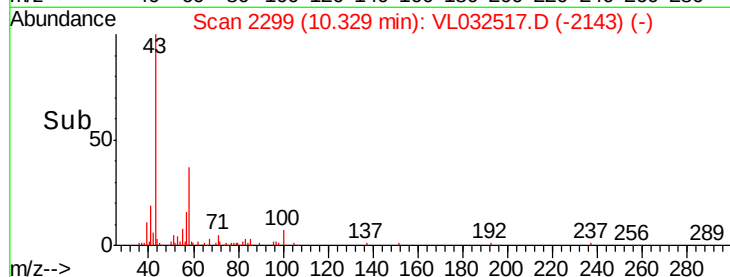
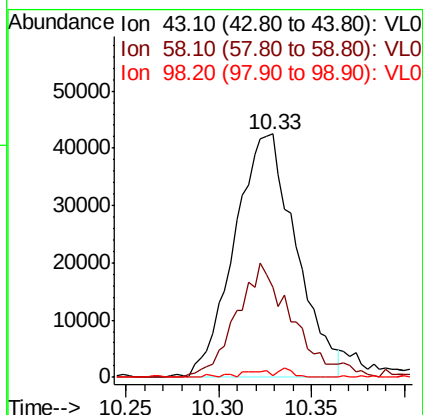
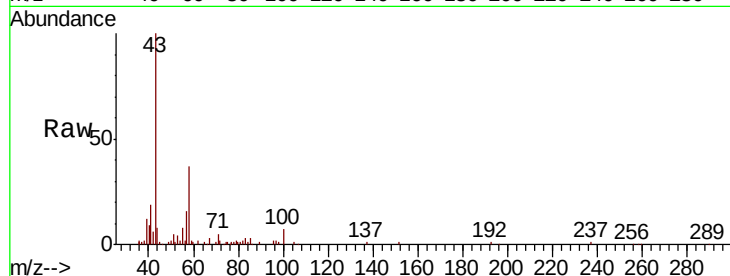
#51
2-Hexanone
Concen: 0.425 ppbv
RT: 10.33 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.2	39.2	58.8
98	2.3	0.4	0.6

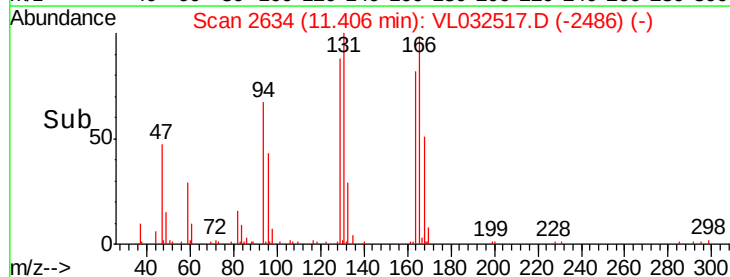
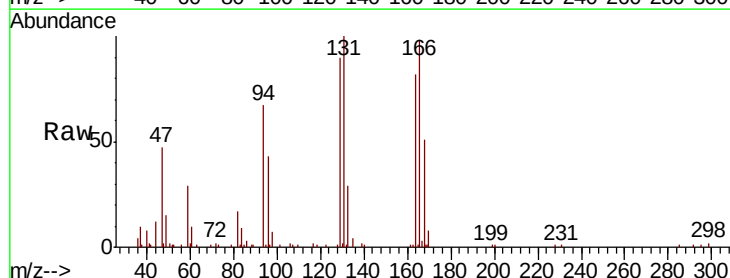
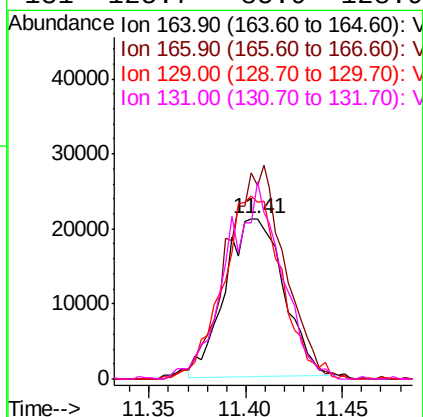
Manual Integrations
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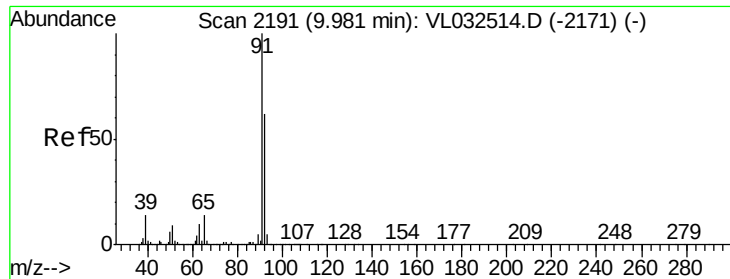
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#52
Tetrachloroethene
Concen: 0.472 ppbv
RT: 11.41 min Scan# 2634
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.0	100.6	150.8
129	111.6	89.9	134.9
131	125.7	85.9	128.9





#53

Toluene

Concen: 0.418 ppbv

RT: 9.98 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 133585

Ion Ratio Lower Upper

91 100

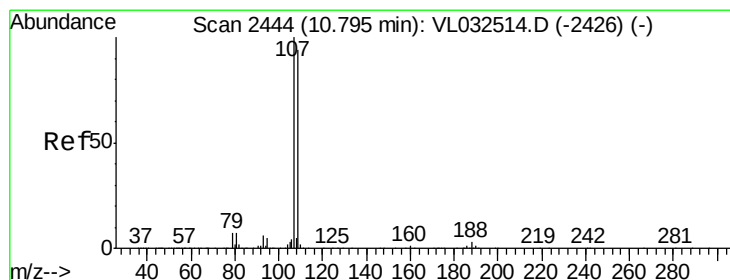
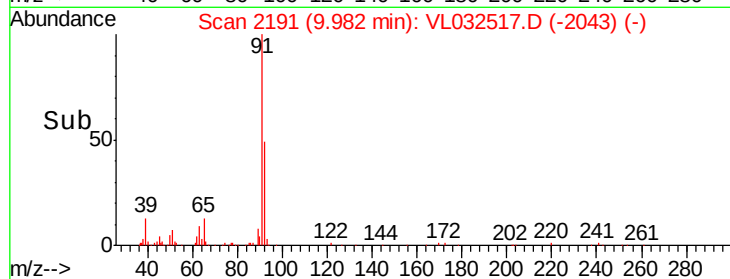
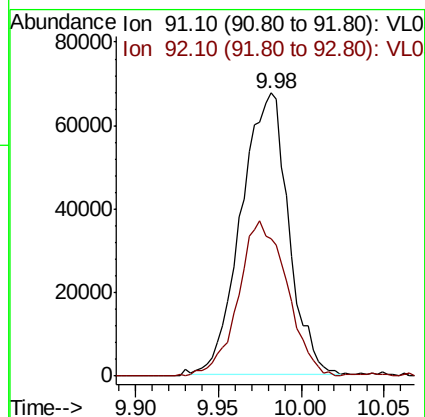
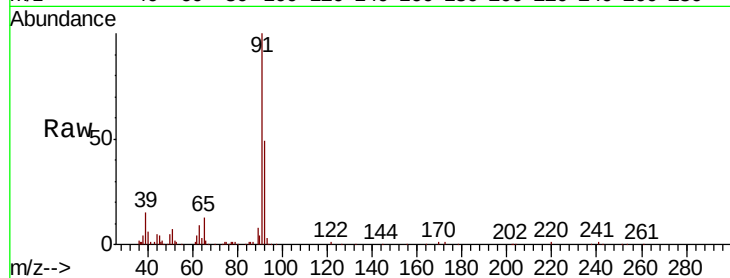
92 57.7 48.1 72.1

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 0.502 ppbv

RT: 10.79 min Scan# 2443

Delta R.T. -0.02 min

Lab File: VL032517.D

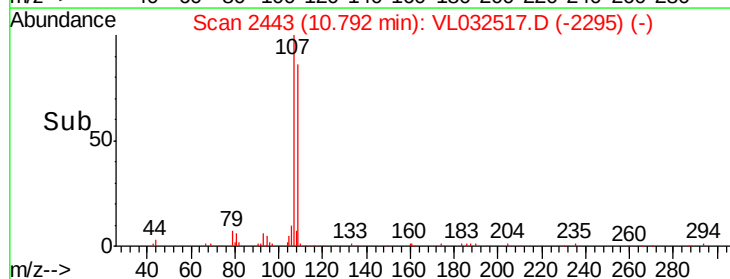
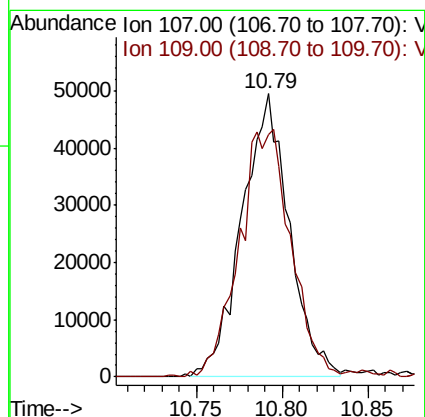
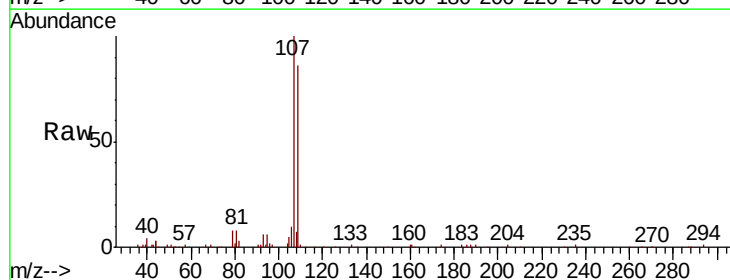
Acq: 24 Sep 2018 18:24

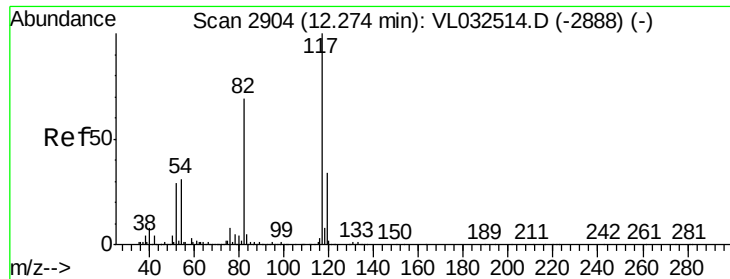
Tgt Ion: 107 Resp: 93580

Ion Ratio Lower Upper

107 100

109 84.7 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2903

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 3469883

Ion Ratio Lower Upper

117 100

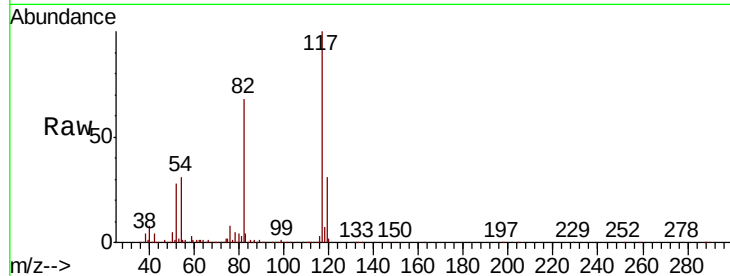
82 67.3 53.0 79.6

119 33.4 45.9 68.9#

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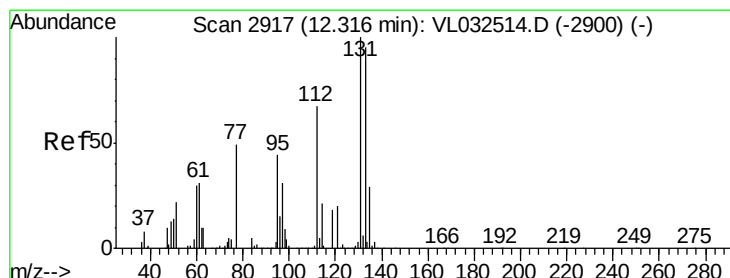
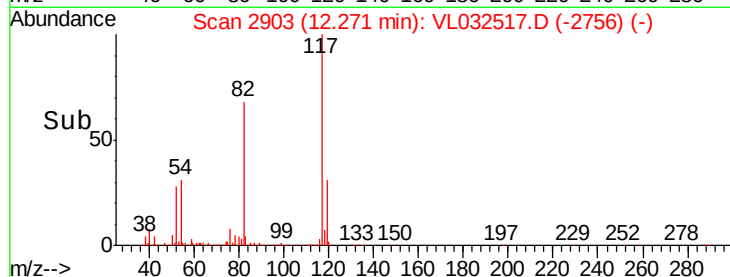
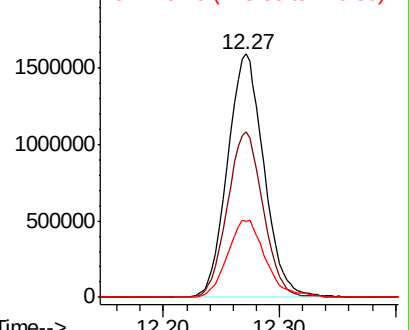
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Abundance Ion 117.10 (116.80 to 117.80): V

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: 0.554 ppbv m

RT: 12.31 min Scan# 2916

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

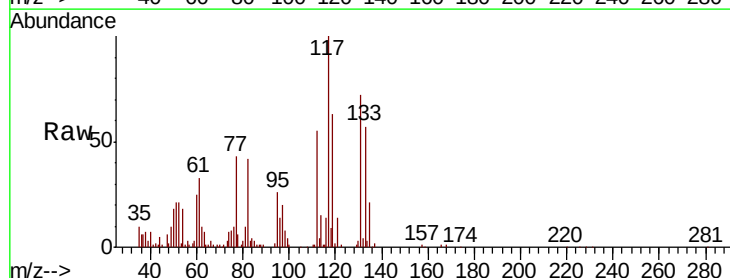
Tgt Ion:131 Resp: 86732

Ion Ratio Lower Upper

131 100

133 0.0 77.0 115.4#

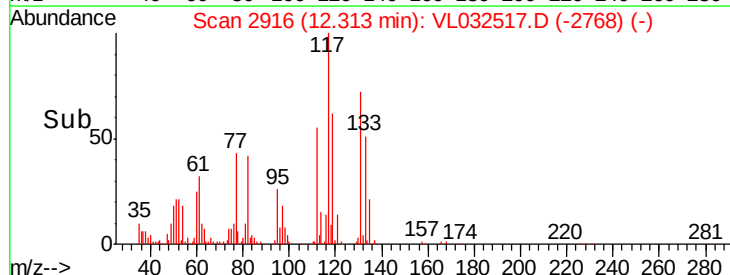
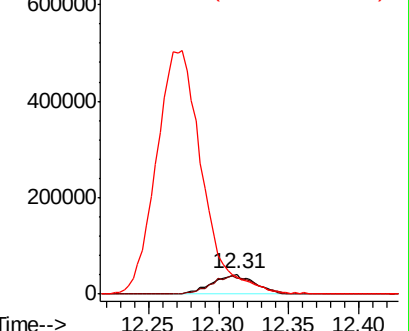
119 0.0 114.2 171.2#

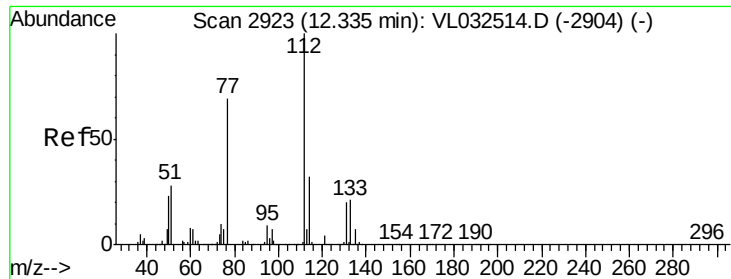


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.557 ppbv

RT: 12.34 min Scan# 2923

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

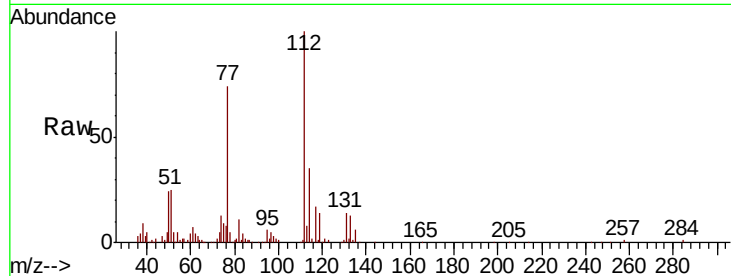
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	74.3	56.1	84.1
114	34.7	27.8	34.0

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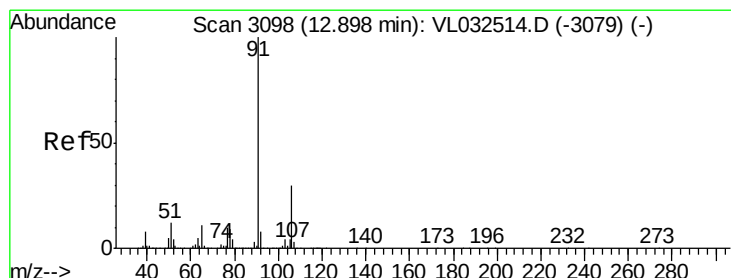
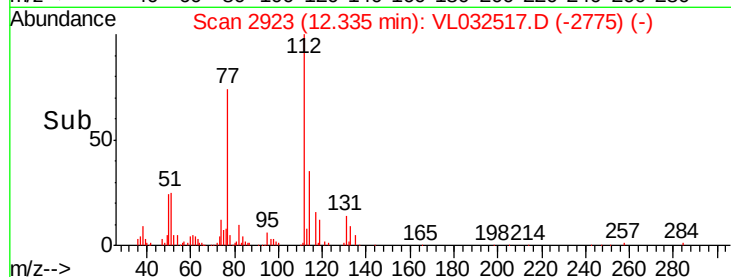
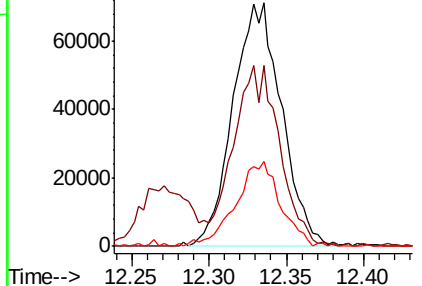
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.401 ppbv

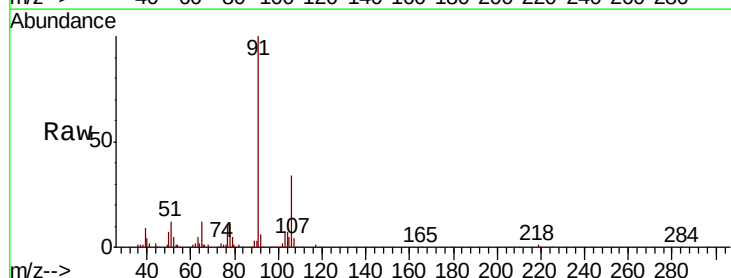
RT: 12.90 min Scan# 3098

Delta R.T. -0.02 min

Lab File: VL032517.D

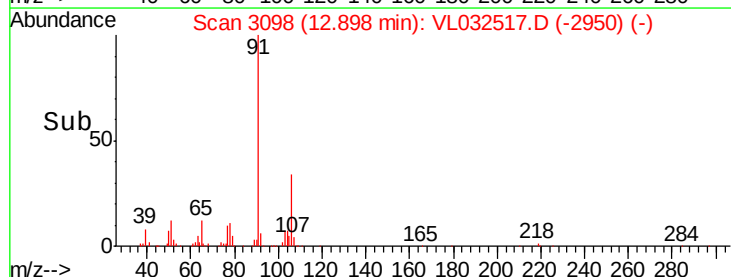
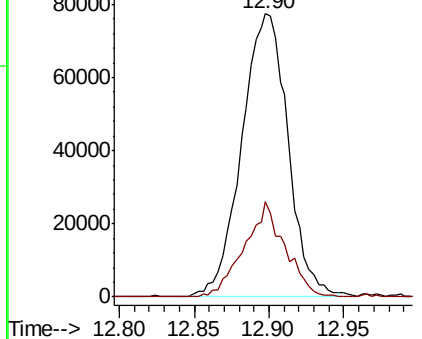
Acq: 24 Sep 2018 18:24

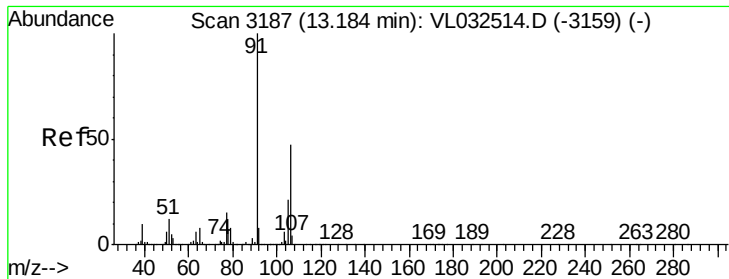
Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.6	24.8	37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





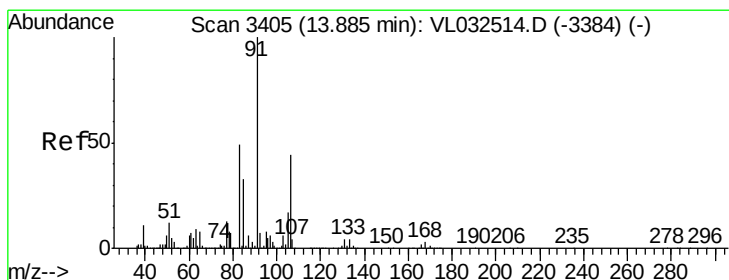
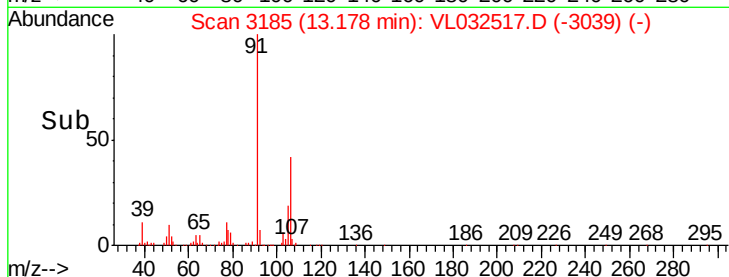
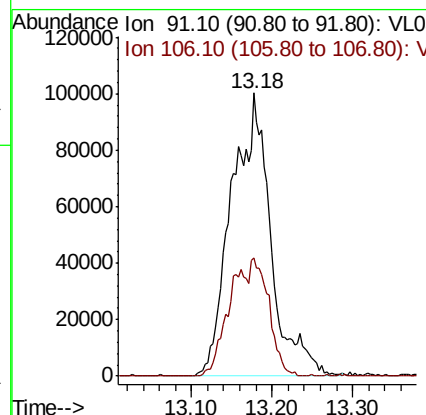
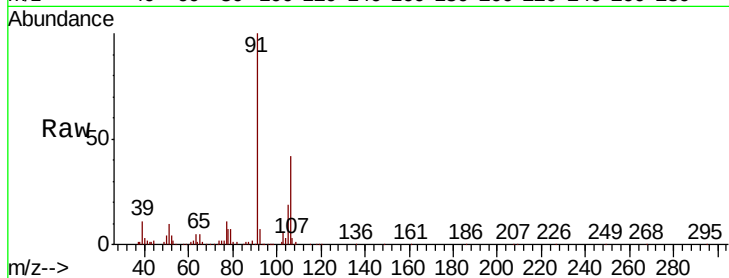
#59
m/p-Xylene
Concen: 0.928 ppbv m
RT: 13.18 min Scan# 3185
Delta R.T. -0.03 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	41.3	36.6	55.0	

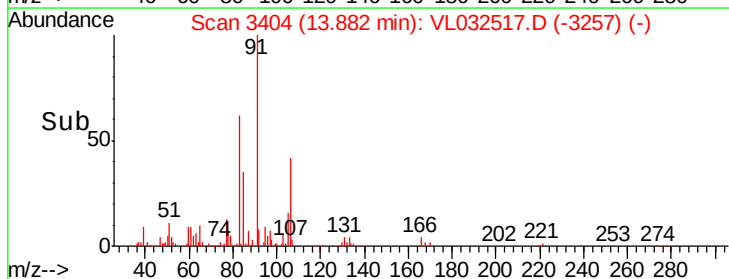
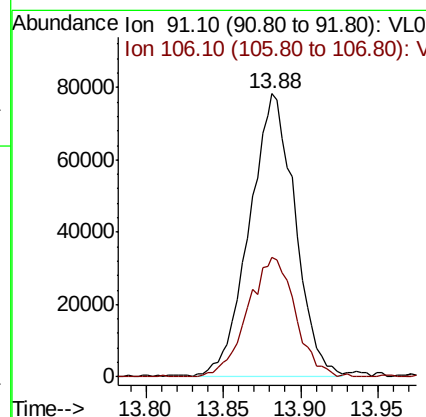
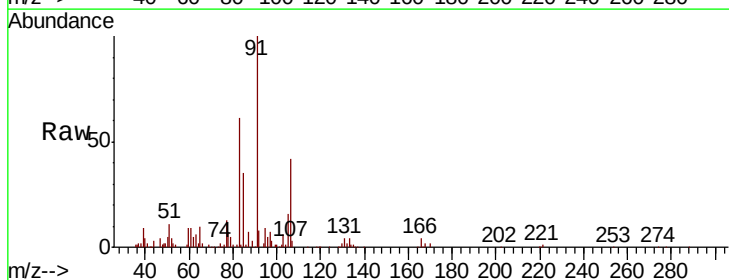
Manual Integrations
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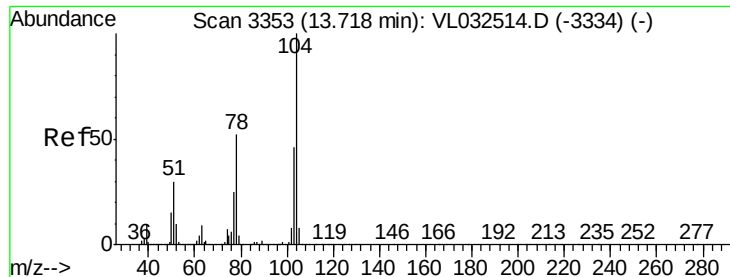
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#60
o-Xylene
Concen: 0.440 ppbv
RT: 13.88 min Scan# 3404
Delta R.T. -0.03 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
106	44.3	21.9	65.7	





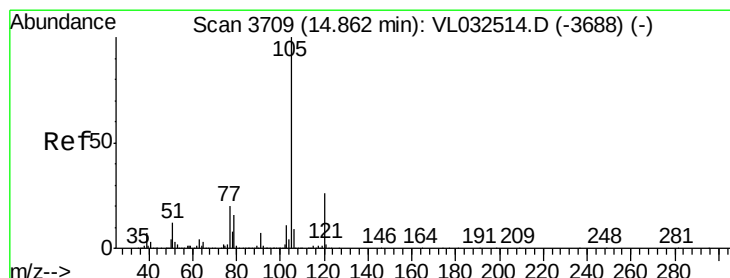
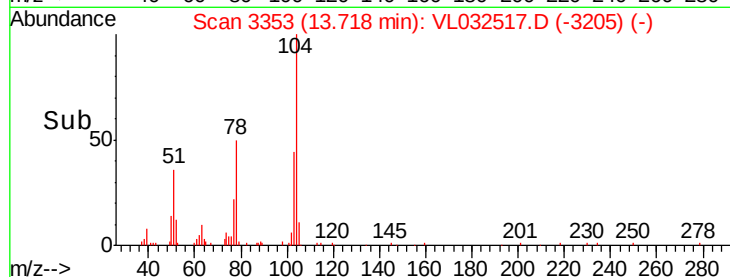
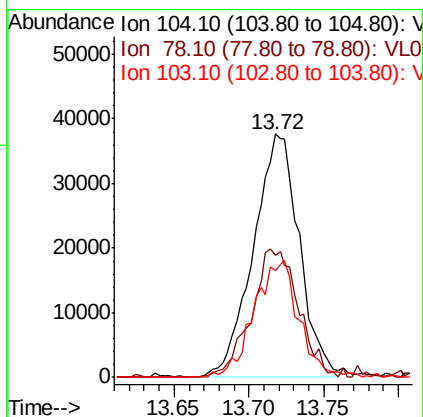
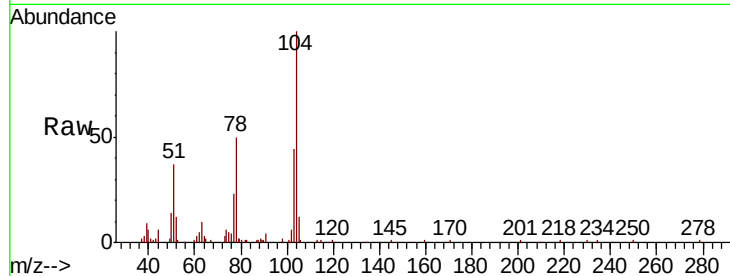
#61
Stvrene
Concen: 0.342 ppbv
RT: 13.72 min Scan# 3353
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.4	41.8	62.8
103	47.0	38.0	57.0

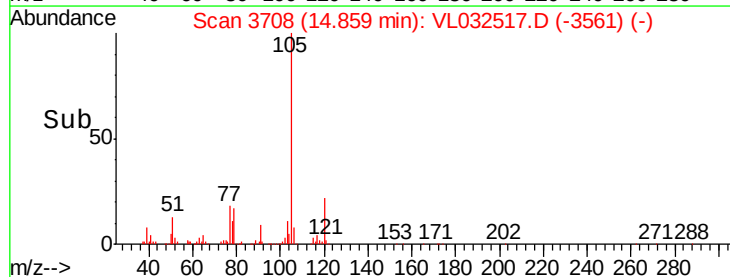
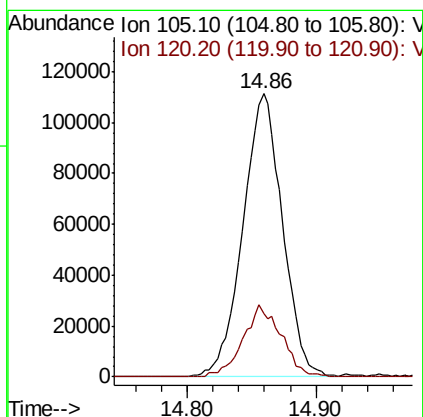
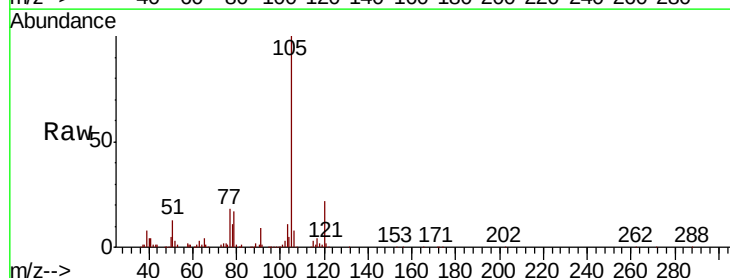
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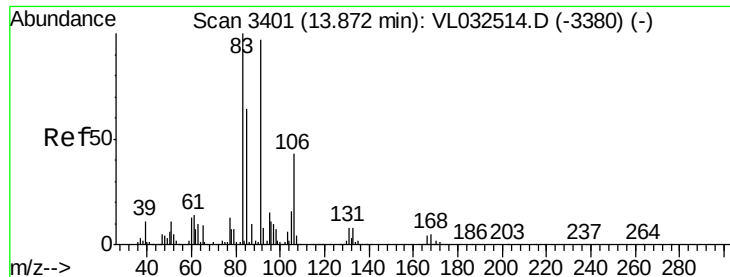
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#62
Isopropylbenzene
Concen: 0.466 ppbv
RT: 14.86 min Scan# 3708
Delta R.T. -0.03 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.5	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.529 ppbv

RT: 13.87 min Scan# 3399

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

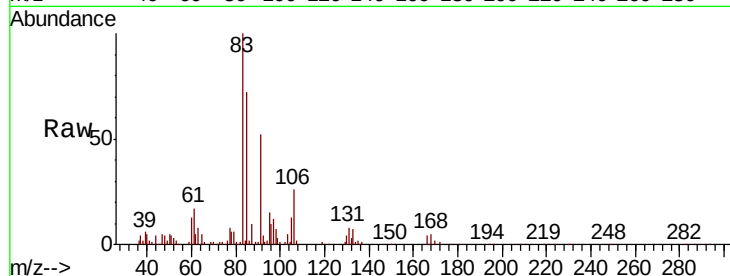
ClientSampleId :

VSTDIC0.5

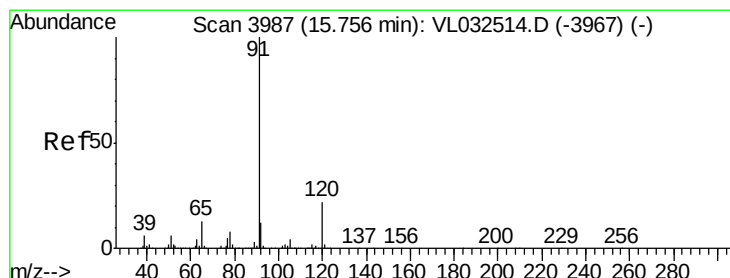
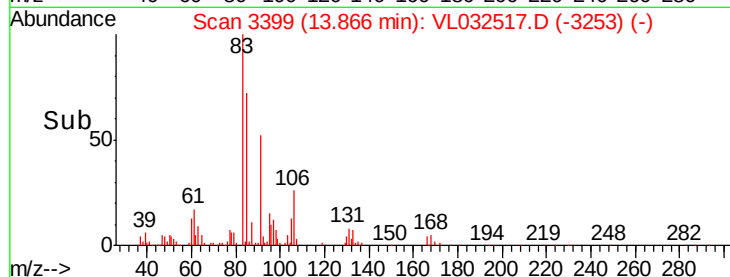
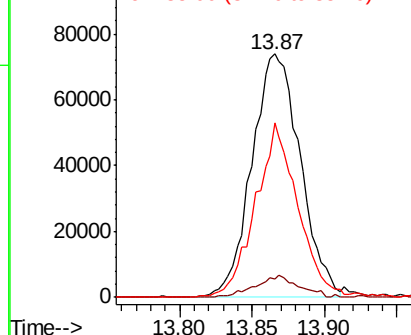
Tot Ion:	83	Resp:	171936
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.3	12.8
85	63.5	32.3	96.8

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.438 ppbv m

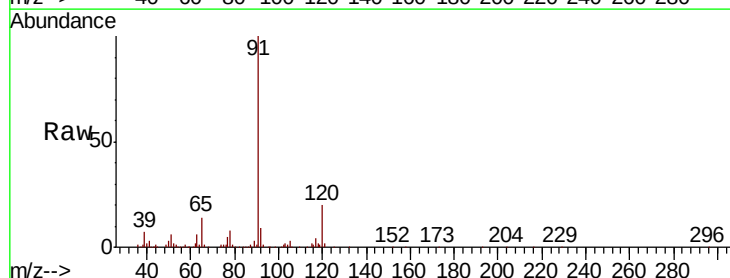
RT: 15.76 min Scan# 3987

Delta R.T. -0.02 min

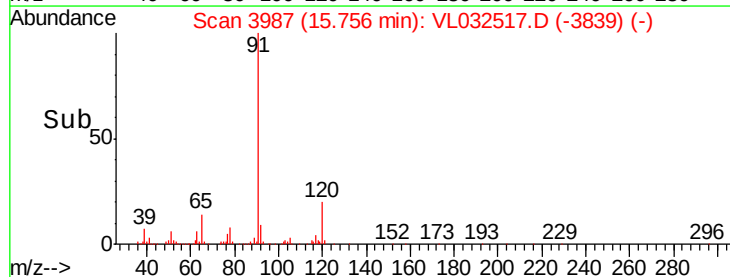
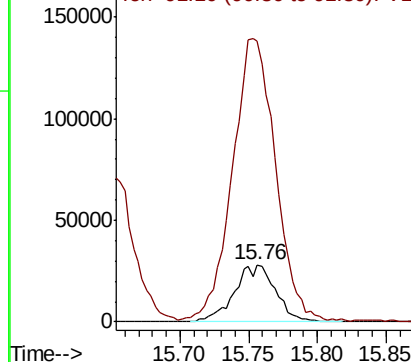
Lab File: VL032517.D

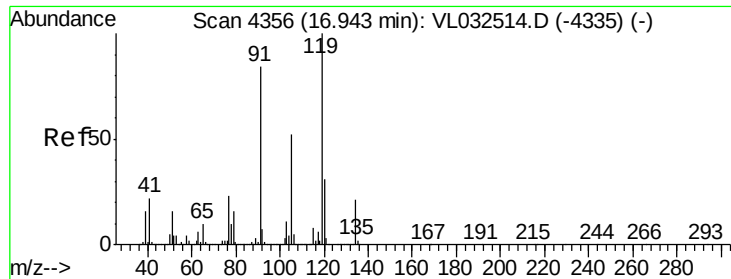
Acq: 24 Sep 2018 18:24

Tgt Ion:	120	Resp:	58499
Ion Ratio	Lower	Upper	
120	100		
91	517.4	381.8	572.6



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





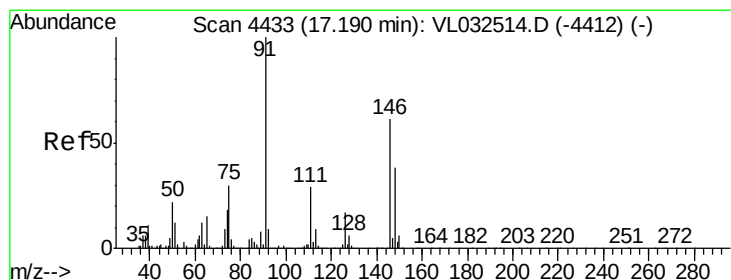
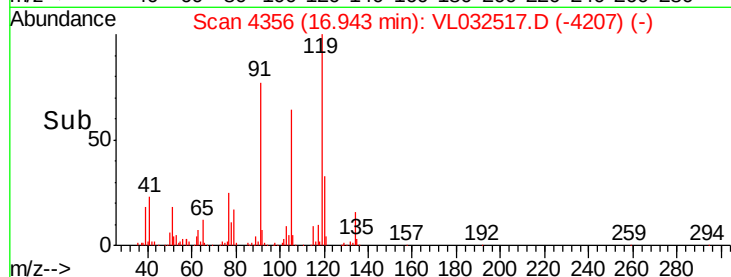
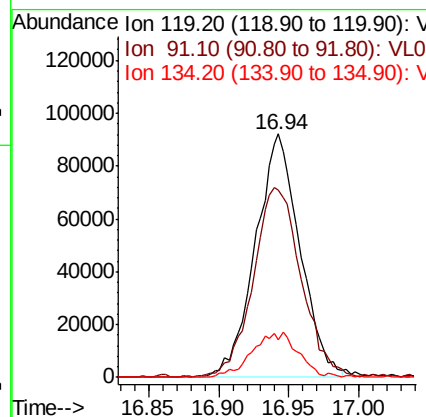
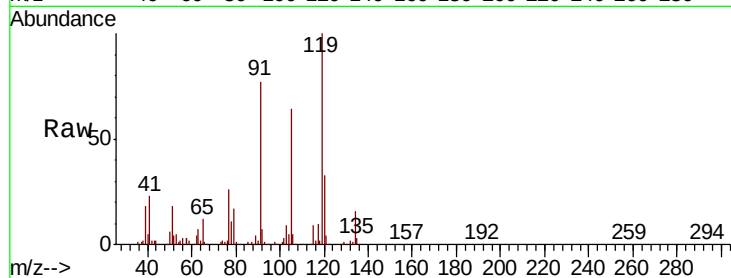
#65
tert-Butylbenzene
Concen: 0.460 ppbv
RT: 16.94 min Scan# 4356
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	202539		
91	84.6	66.5	99.7	
134	19.4	16.0	24.0	

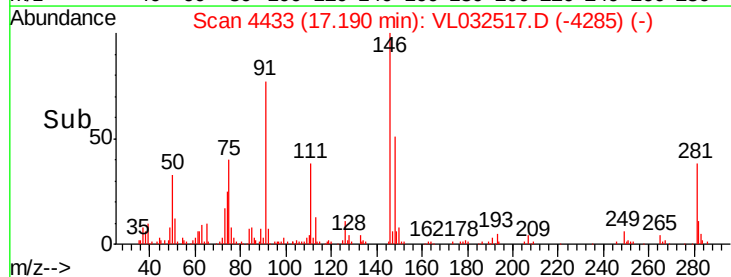
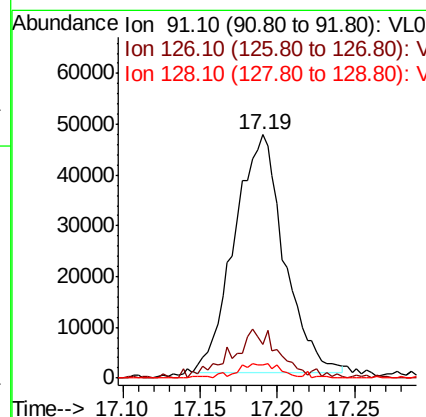
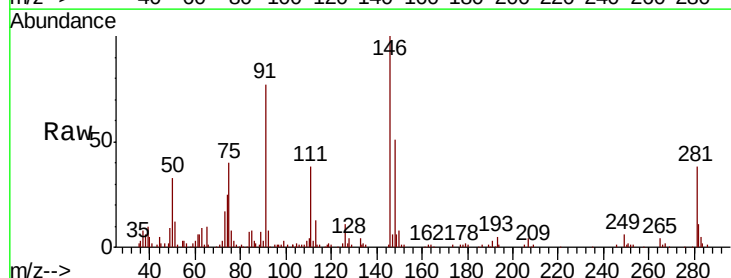
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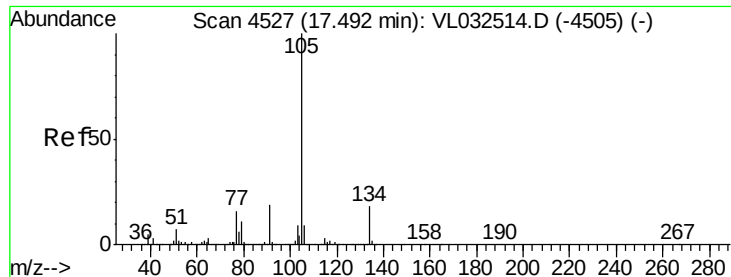
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#66
Benzyl Chloride
Concen: 0.429 ppbv
RT: 17.19 min Scan# 4433
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	105348		
126	20.6	13.8	20.8	
128	5.9	4.4	6.6	





#67

sec-Butylbenzene

Concen: 0.454 ppbv

RT: 17.49 min Scan# 4527

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 300928

Ion Ratio Lower Upper

105 100

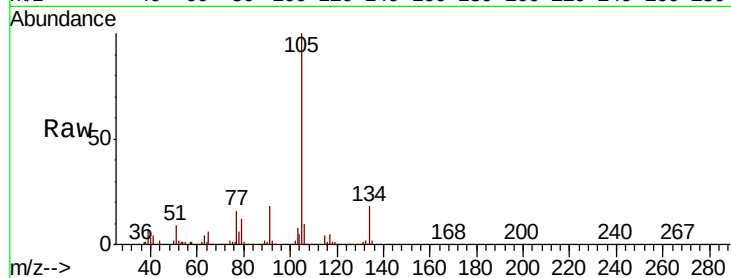
134 17.6 14.4 21.6

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.49

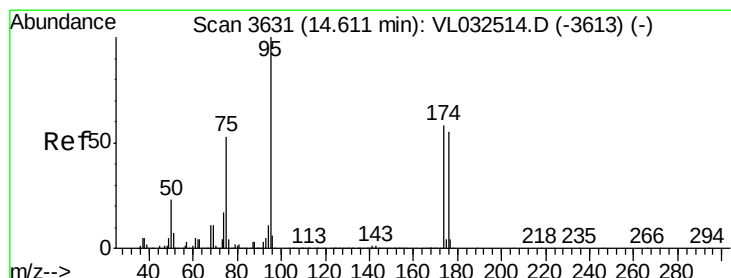
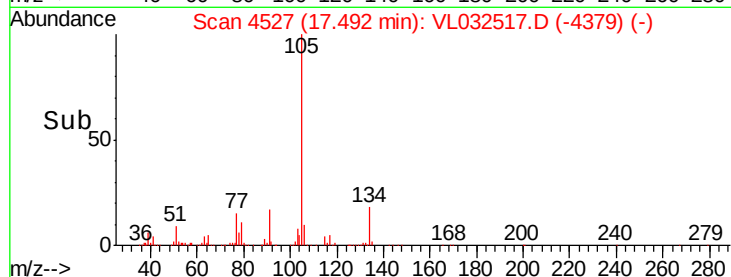
150000

100000

50000

0

Time--> 17.40 17.45 17.50 17.55



#68

1-Bromo-4-Fluorobenzene

Concen: 10.475 ppbv

RT: 14.61 min Scan# 3630

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

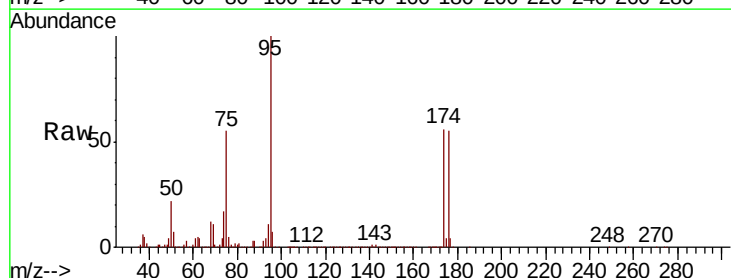
Tgt Ion: 95 Resp: 2698444

Ion Ratio Lower Upper

95 100

174 57.1 46.3 69.5

175 4.0 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.61

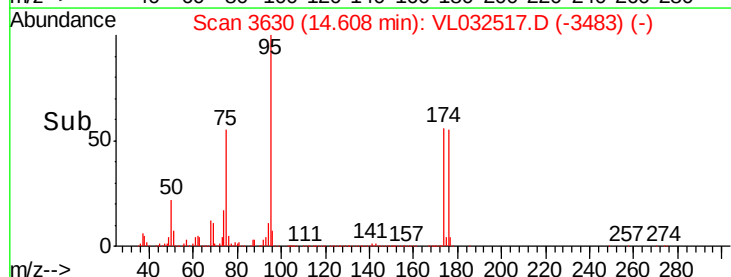
1500000

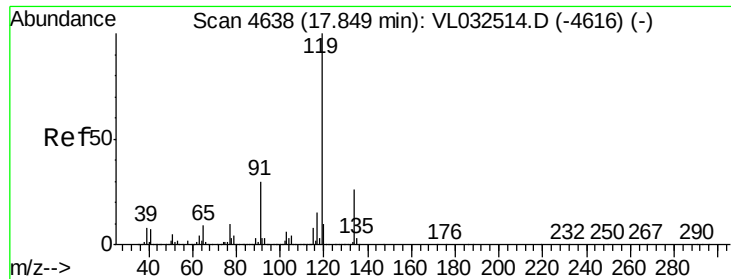
1000000

500000

0

Time--> 14.50 14.60 14.70





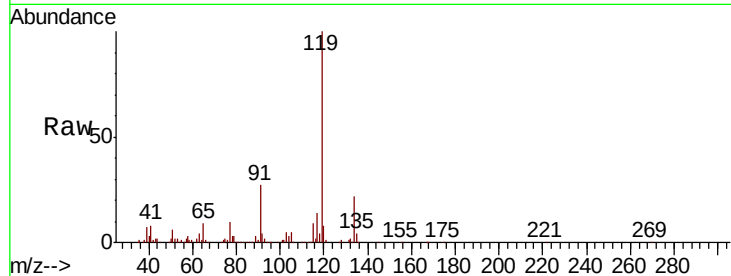
#69
 p-Isopropyltoluene
 Concen: 0.430 ppbv
 RT: 17.85 min Scan# 4637
 Delta R.T. -0.03 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

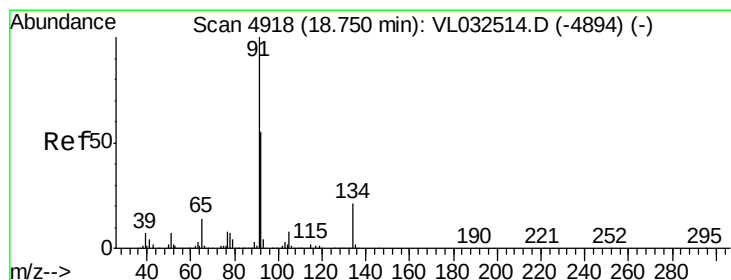
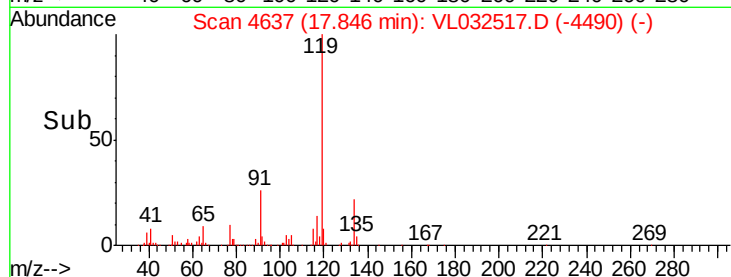
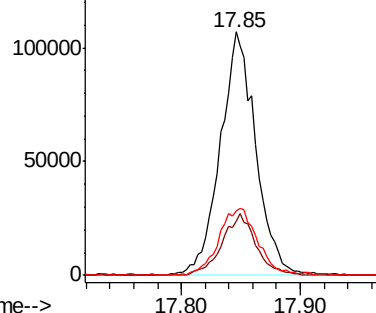
Tot Ion:	119	Resp:	220583
Ion Ratio	Lower	Upper	
119	100		
134	24.2	20.4	30.6
91	30.8	23.4	35.2

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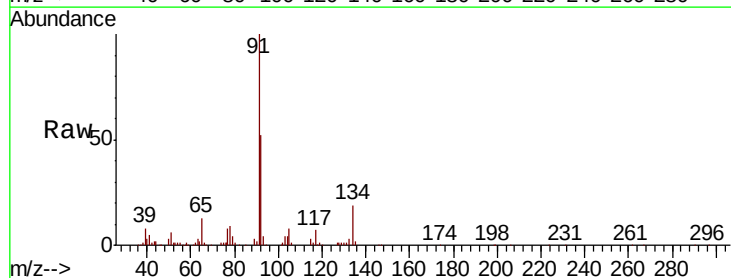


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

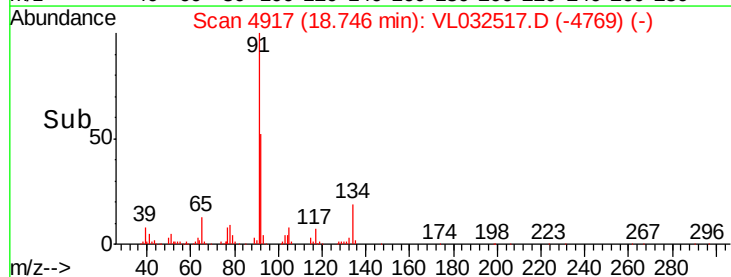
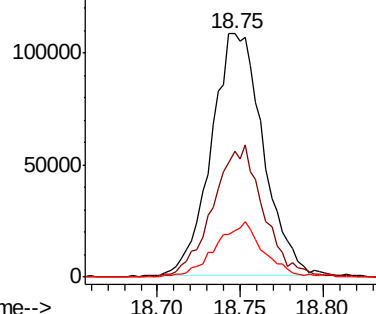


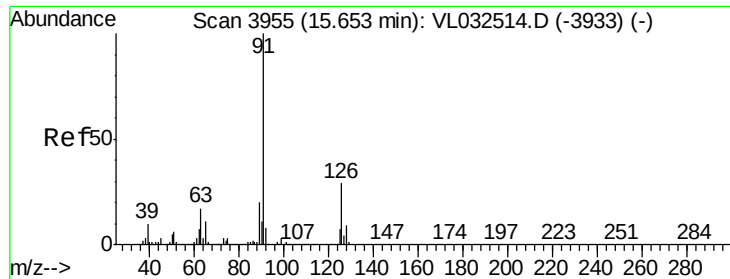
#70
 n-Butylbenzene
 Concen: 0.404 ppbv
 RT: 18.75 min Scan# 4917
 Delta R.T. -0.02 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Tgt Ion:	91	Resp:	234857
Ion Ratio	Lower	Upper	
91	100		
92	53.7	43.8	65.8
134	21.4	17.4	26.0



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





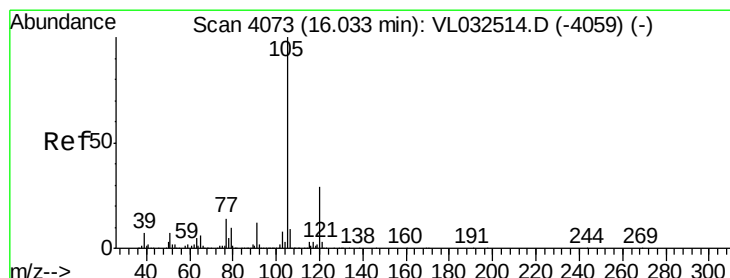
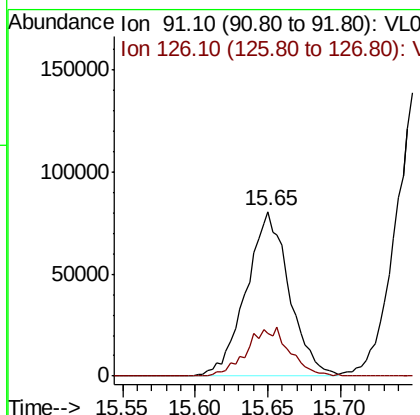
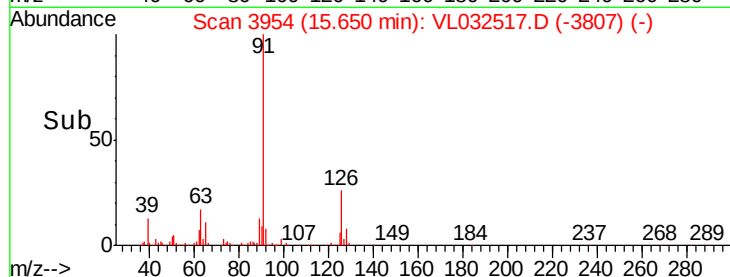
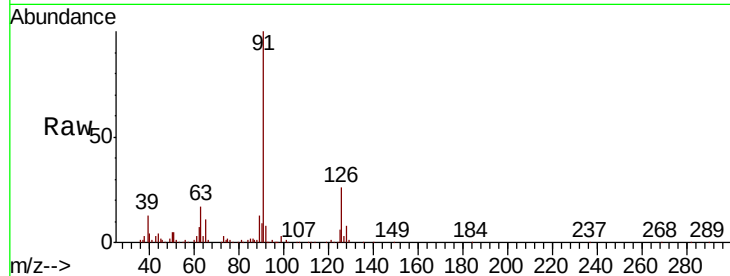
#71
 2-Chlorotoluene
 Concen: 0.427 ppbv
 RT: 15.65 min Scan# 3954
 Delta R.T. -0.03 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.1	11.9	47.7

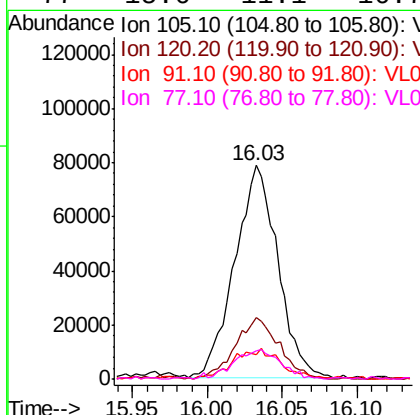
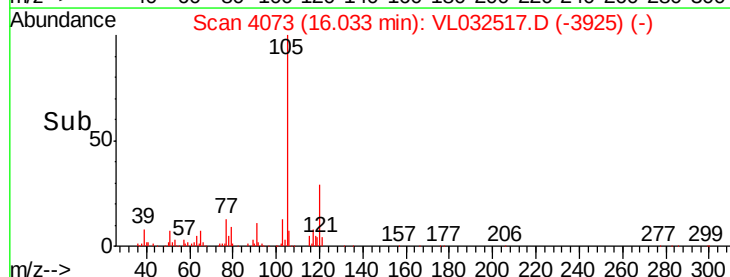
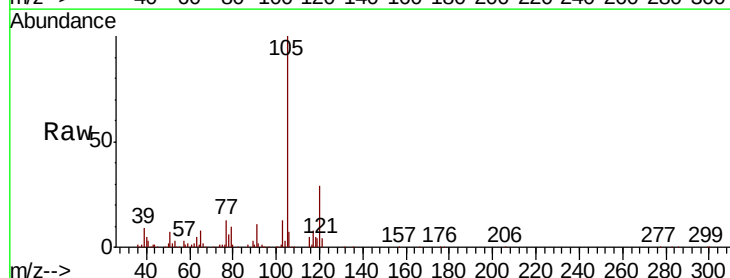
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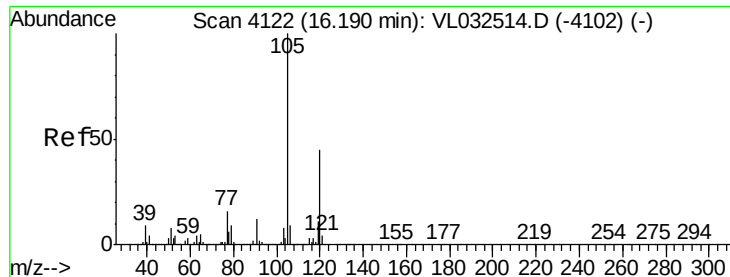
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#72
 4-Ethyltoluene
 Concen: 0.398 ppbv
 RT: 16.03 min Scan# 4073
 Delta R.T. -0.02 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.0	23.5	35.3
91	16.2	10.2	15.2#
77	15.6	11.1	16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.398 ppbv

RT: 16.19 min Scan# 4121

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 158460

Ion Ratio Lower Upper

105 100

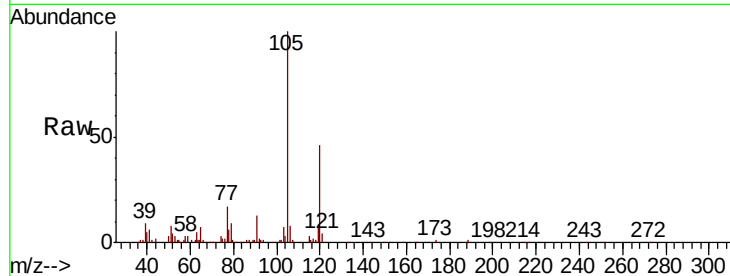
120 45.9 37.9 56.9

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.19

80000

60000

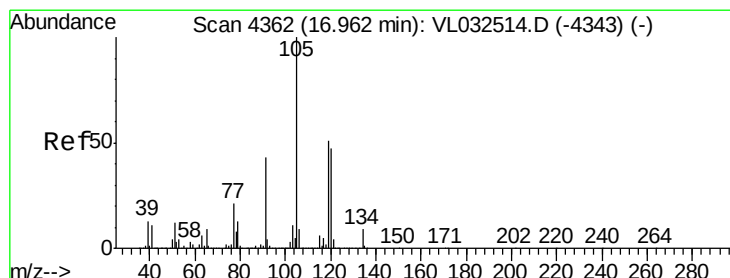
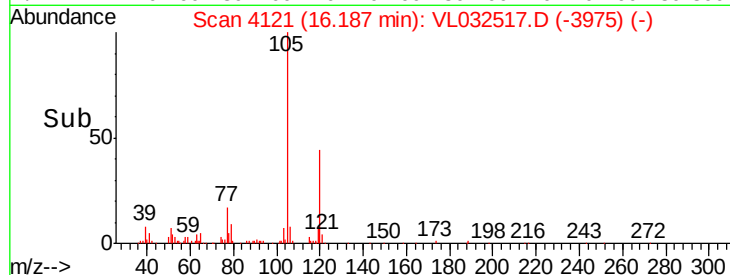
40000

20000

0

16.10 16.15 16.20 16.25

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.454 ppbv

RT: 16.96 min Scan# 4361

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion:105 Resp: 197373

Ion Ratio Lower Upper

105 100

120 39.9 37.8 56.8

91 39.2 41.4 62.0#

77 19.2 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

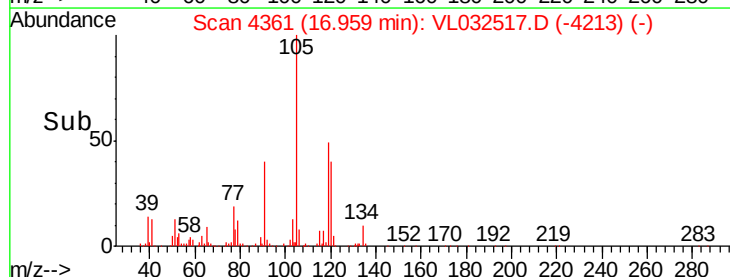
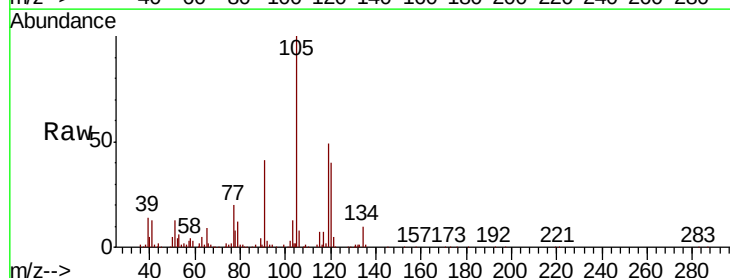
100000

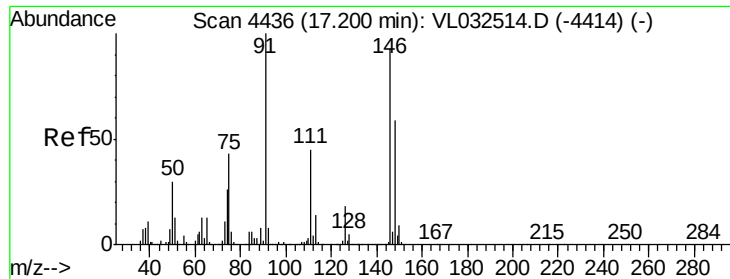
50000

0

16.90 16.95 17.00

Time-->





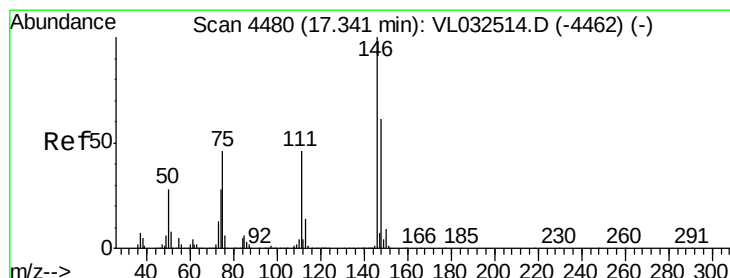
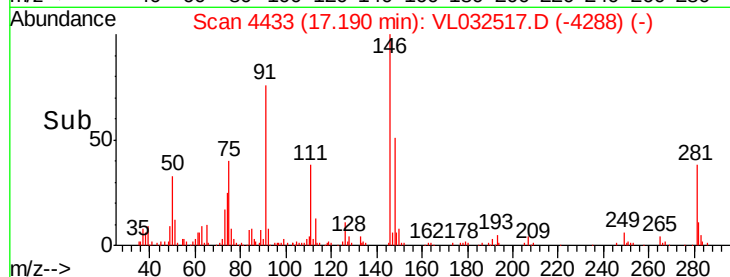
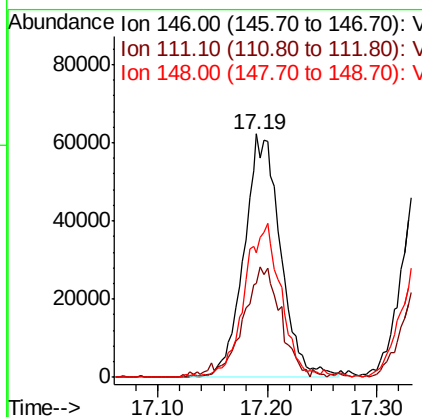
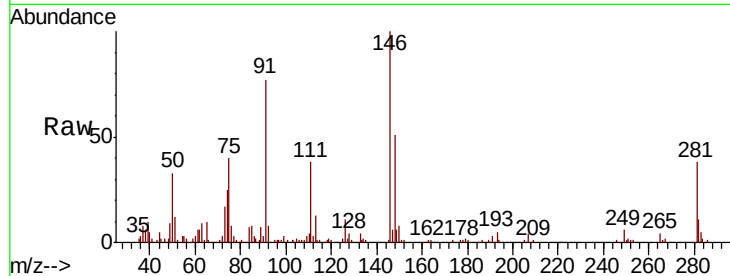
#75
 1,3-Dichlorobenzene
 Concen: 0.557 ppbv m
 RT: 17.19 min Scan# 4433
 Delta R.T. -0.03 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.5	73.5#
148	0.0	32.0	96.2#

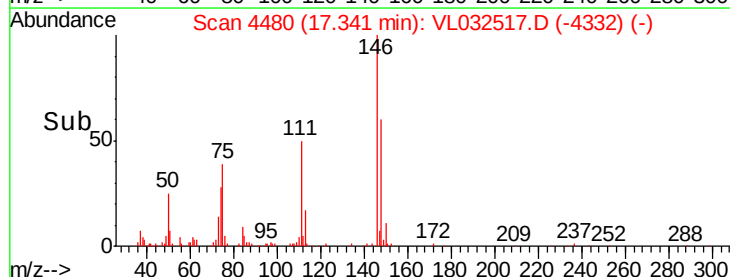
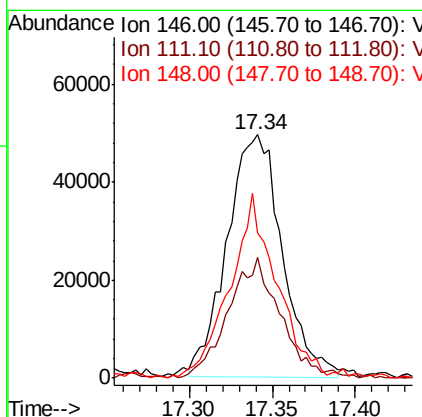
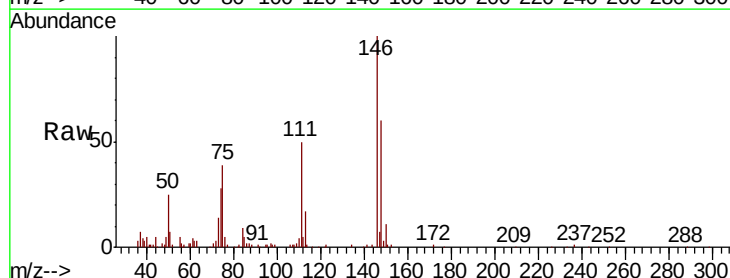
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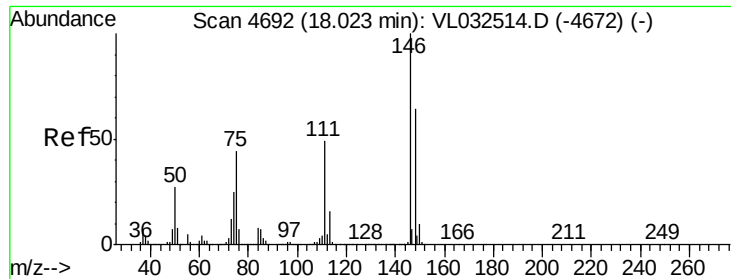
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#76
 1,4-Dichlorobenzene
 Concen: 0.479 ppbv
 RT: 17.34 min Scan# 4480
 Delta R.T. -0.02 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.4	70.2
148	66.1	32.0	96.2





#77

1,2-Dichlorobenzene

Concen: 0.492 ppbv

RT: 18.02 min Scan# 4691

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

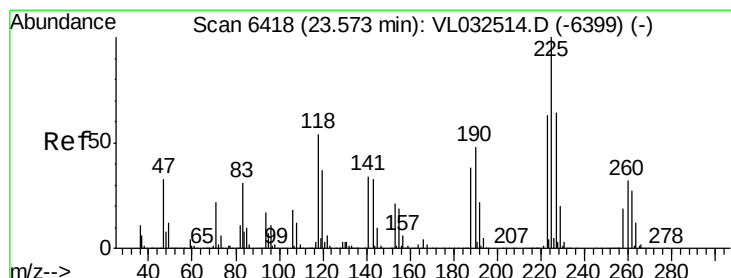
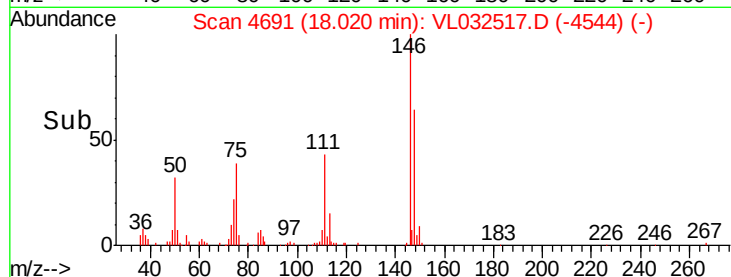
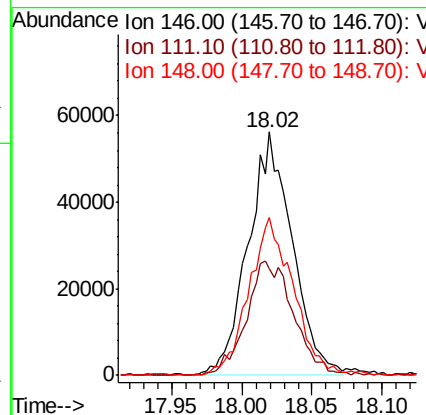
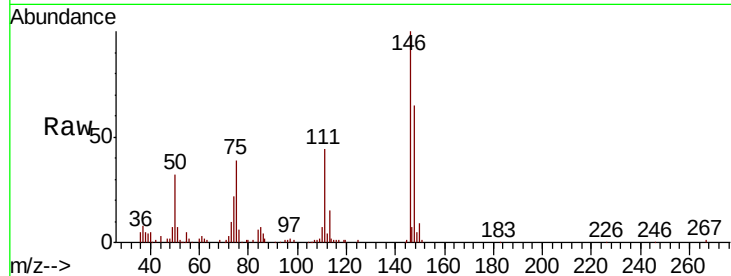
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	122571
Ion Ratio	Lower	Upper	
146	100		
111	50.4	24.9	74.8
148	66.2	32.0	96.0

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#78

Hexachloro-1,3-Butadiene

Concen: 0.563 ppbv

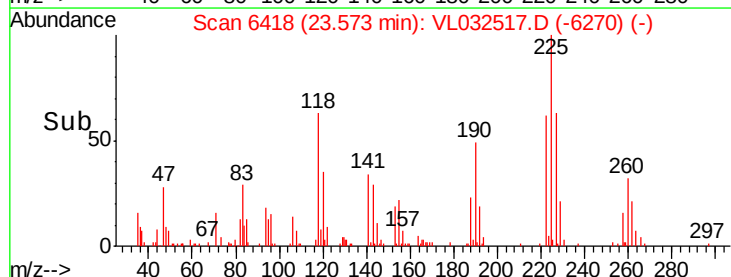
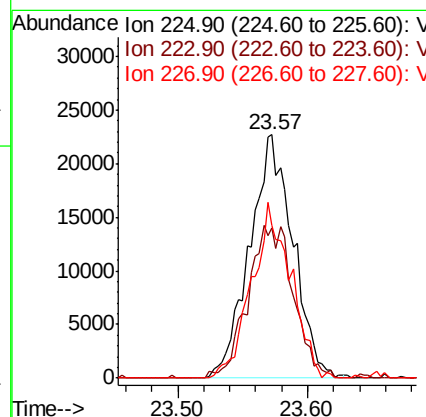
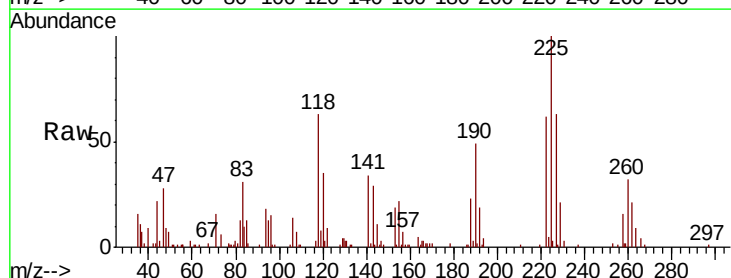
RT: 23.57 min Scan# 6418

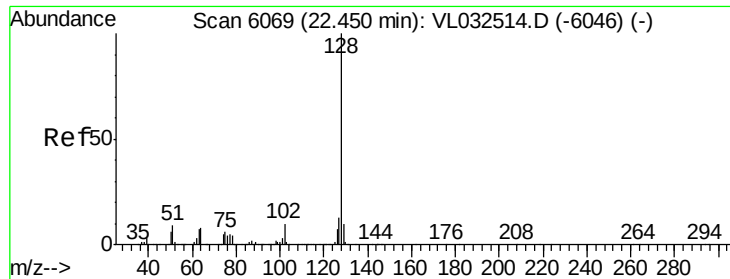
Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion:	225	Resp:	52387
Ion Ratio	Lower	Upper	
225	100		
223	66.1	50.6	76.0
227	65.4	51.2	76.8





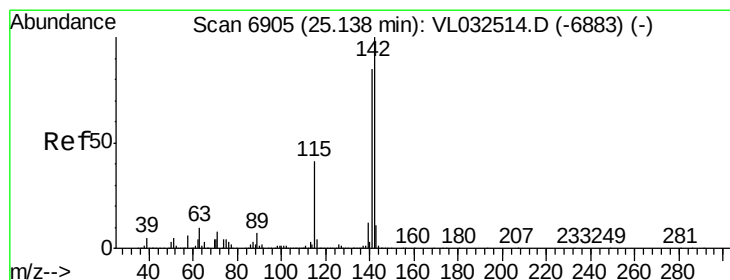
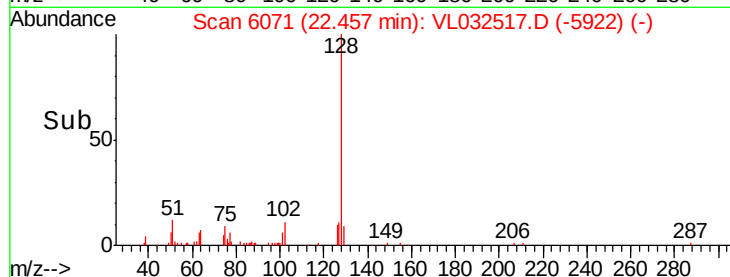
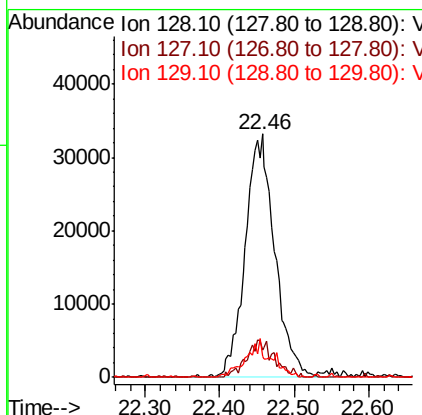
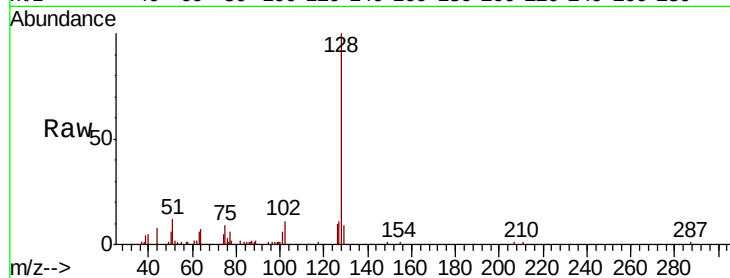
#79
Naphthalene
Concen: 0.259 ppbv m
RT: 22.46 min Scan# 6071
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.2	15.2
129	8.6	8.5	12.7

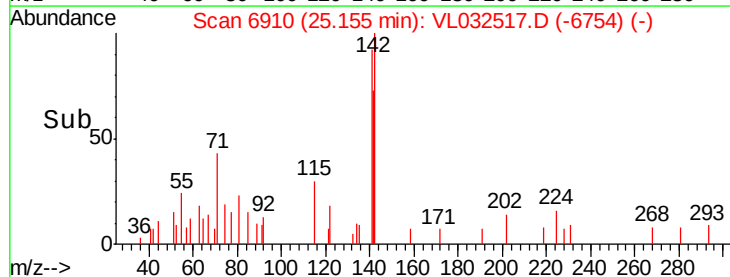
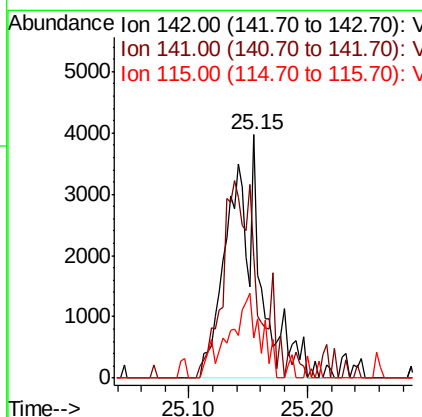
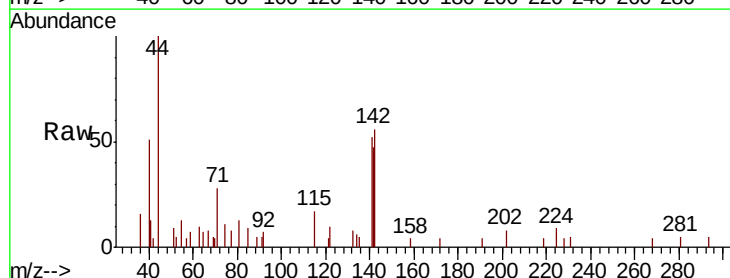
Manual Integrations
APPROVED

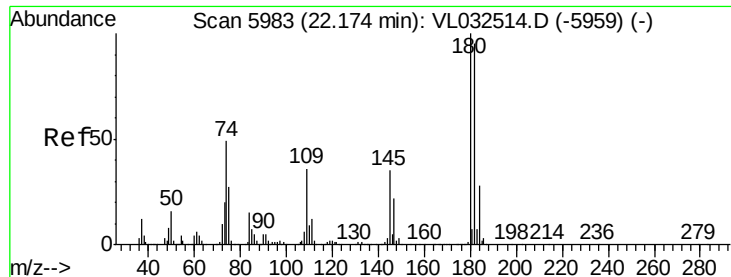
apatel
9/26/2018 4:47:12 PM



#80
Naphthalene, 2-methyl-
Concen: 0.080 ppbv
RT: 25.15 min Scan# 6910
Delta R.T. 0.00 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	67.0	100.6
115	33.5	31.3	46.9





#81
 1,2,4-Trichlorobenzene
 Concen: 0.322 ppbv m
 RT: 22.18 min Scan# 5984
 Delta R.T. -0.03 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

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

Manual Integrations
 APPROVED

apatel
 9/26/2018 4:47:12 PM

