

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034779.D
 Acq On : 4 Mar 2020 3:19
 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

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 3/4/2020 4:45:06 PM

Quant Time: Mar 04 06:24:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04
 QLast Update : Wed Mar 04 05:54:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1067405	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2240610	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2179161	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1875021	10.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	112450	0.668 ppbv	99
3) Chlorodifluoromethane	2.96	51	68911	0.596 ppbv	97
4) Chloromethane	3.12	50	35441	0.553 ppbv	90
5) Vinyl Chloride	3.23	62	32945	0.523 ppbv	97
6) Bromomethane	3.46	94	20223	0.548 ppbv	86
7) Chloroethane	3.54	64	13356m	0.573 ppbv	
8) Dichlorotetrafluoroethane	3.16	85	87993	0.592 ppbv	99
9) Propene	2.99	41	25333	0.527 ppbv	97
10) Heptane	8.15	43	54574	0.440 ppbv	95
11) Trichlorofluoromethane	3.94	101	87148	0.591 ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.48	101	60859	0.587 ppbv	97
13) Ethanol	3.60	45	11392m	0.752 ppbv	
14) Bromoethene	3.73	108	22367	0.515 ppbv	83
15) Acetone	3.85	43	76838	0.631 ppbv	99
16) 1,3-Butadiene	3.31	39	29740	0.526 ppbv	98
17) tert-Butyl alcohol	4.30	59	58682m	0.628 ppbv	
18) 1,1-Dichloroethene	4.29	96	26070	0.560 ppbv	78
19) Isopropyl Alcohol	3.98	45	42997	0.592 ppbv #	91
20) Methylene Chloride	4.34	84	27125	0.601 ppbv #	88
21) Allyl Chloride	4.41	41	41719	0.523 ppbv	93
22) trans-1,2-Dichloroethene	4.89	96	24828	0.552 ppbv	87
23) Vinyl Acetate	5.09	43	78781	0.476 ppbv #	97
24) 1,1-Dichloroethane	5.02	63	74494	0.565 ppbv	99
25) Ethyl Acetate	5.70	43	114328	0.530 ppbv	99
26) Hexane	5.69	57	48127	0.485 ppbv	88
27) Carbon Disulfide	4.55	76	53988	0.485 ppbv #	81
28) Methyl tert-Butyl Ether	5.05	73	72619	0.514 ppbv	98
29) Chloroform	5.76	83	90406	0.572 ppbv	86
30) Cyclohexane	7.16	84	33813m	0.440 ppbv	
31) cis-1,2-Dichloroethene	5.56	61	49626	0.508 ppbv #	89
32) 1,1,1-Trichloroethane	6.53	97	79798	0.538 ppbv	96
34) 2-Butanone	5.26	43	69882	0.494 ppbv	100
35) Carbon Tetrachloride	7.04	117	81448	0.542 ppbv #	85
36) Benzene	6.92	78	95236	0.493 ppbv #	89
37) 1,2-Dichloroethane	6.33	62	71944	0.586 ppbv	98
38) Trichloroethene	7.86	130	34370	0.461 ppbv	87
39) 1,2-Dichloropropane	7.64	63	39712m	0.518 ppbv	
40) 1,4-Dioxane	7.90	88	13693m	0.525 ppbv	
41) Tetrahydrofuran	6.09	42	31451m	0.424 ppbv	
42) Bromodichloromethane	7.82	83	83110m	0.517 ppbv	
43) Methyl Methacrylate	8.05	69	34643	0.427 ppbv	95

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Manual Integrations
 APPROVED

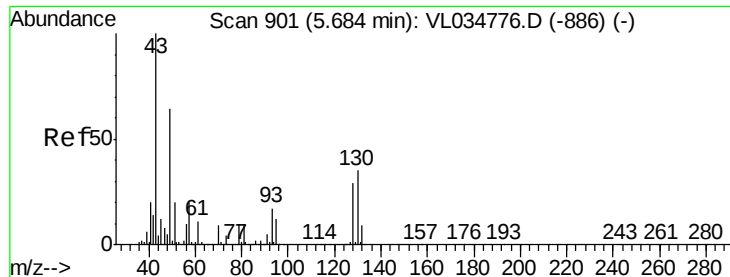
apatel
 3/4/2020 4:45:06 PM

Quant Time: Mar 04 06:24:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.90	57	160034m	0.474	ppbv	
45) t-1,3-Dichloropropene	9.32	75	31126m	0.353	ppbv	
46) cis-1,3-Dichloropropene	8.74	75	41484m	0.392	ppbv	
47) 1,1,2-Trichloroethane	9.52	97	42130m	0.533	ppbv	
48) Dibromochloromethane	10.35	129	57986m	0.470	ppbv	
49) Bromoform	13.10	173	49215m	0.458	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	94260	0.470	ppbv	96
51) 2-Hexanone	10.19	43	66213m	0.419	ppbv	
52) Tetrachloroethene	11.27	164	31455m	0.442	ppbv	
53) Toluene	9.84	91	80570	0.392	ppbv	98
54) 1,2-Dibromoethane	10.66	107	56425m	0.478	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.18	131	49557m	0.529	ppbv	
57) Chlorobenzene	12.19	112	92703	0.575	ppbv #	95
58) Ethyl Benzene	12.76	91	119815	0.452	ppbv #	75
59) m/p-Xylene	13.05	91	227904m	0.991	ppbv	
60) o-Xylene	13.74	91	114497m	0.500	ppbv	
61) Styrene	13.58	104	57261m	0.390	ppbv	
62) Isopropylbenzene	14.73	105	173283	0.518	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.74	83	97133m	0.544	ppbv	
64) n-propylbenzene	15.61	120	40595m	0.471	ppbv	
65) tert-Butylbenzene	16.81	119	133451	0.461	ppbv	89
66) Benzyl Chloride	17.06	91	36108m	0.344	ppbv	
67) sec-Butylbenzene	17.36	105	197778	0.474	ppbv	98
69) p-Isopropyltoluene	17.72	119	154349m	0.449	ppbv	
70) n-Butylbenzene	18.62	91	170876	0.456	ppbv	98
71) 2-Chlorotoluene	15.52	91	116294	0.448	ppbv	97
72) 4-Ethyltoluene	15.90	105	118595m	0.464	ppbv	
73) 1,3,5-Trimethylbenzene	16.06	105	116407	0.473	ppbv	90
74) 1,2,4-Trimethylbenzene	16.82	105	133757m	0.491	ppbv	
75) 1,3-Dichlorobenzene	17.07	146	83830m	0.533	ppbv	
76) 1,4-Dichlorobenzene	17.20	146	79115m	0.504	ppbv	
77) 1,2-Dichlorobenzene	17.88	146	79485m	0.524	ppbv	
78) Hexachloro-1,3-Butadiene	23.45	225	68602m	0.525	ppbv	
79) Naphthalene	22.30	128	70553m	0.294	ppbv	
80) Naphthalene, 2-methyl-	25.03	142	13428	0.181	ppbv	97
81) 1,2,4-Trichlorobenzene	22.02	180	53727m	0.374	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1067405

Ion Ratio Lower Upper

49 100

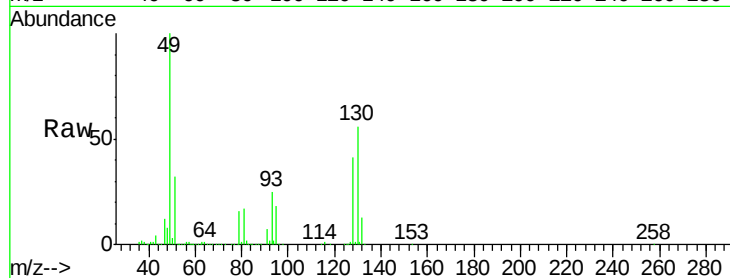
128 44.7 21.6 64.6

130 56.5 27.4 82.2

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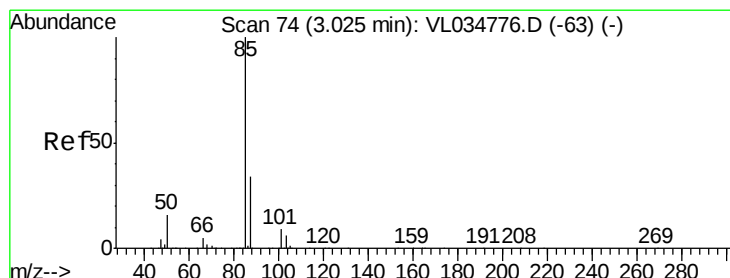
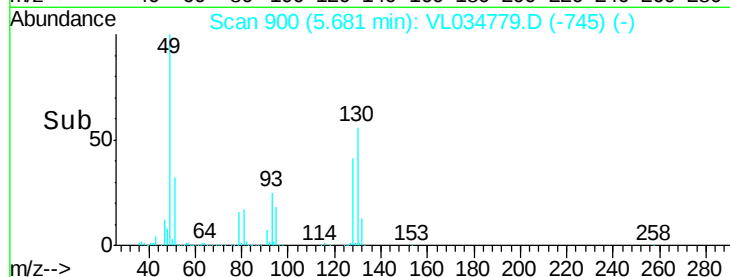
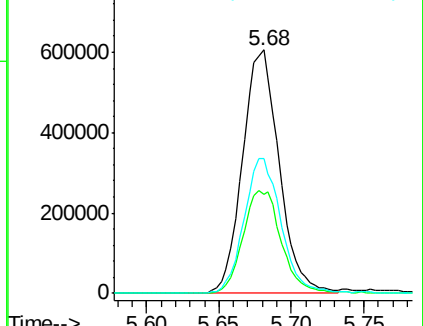
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.668 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL034779.D

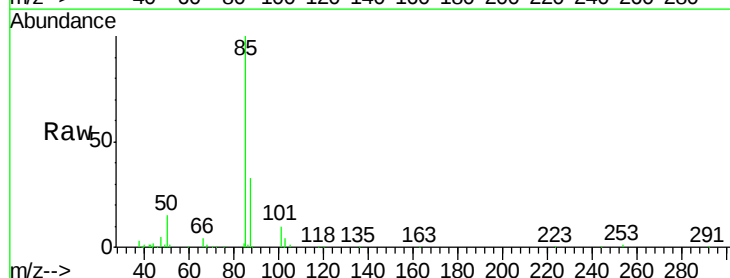
Acq: 4 Mar 2020 3:19

Tgt Ion: 85 Resp: 112450

Ion Ratio Lower Upper

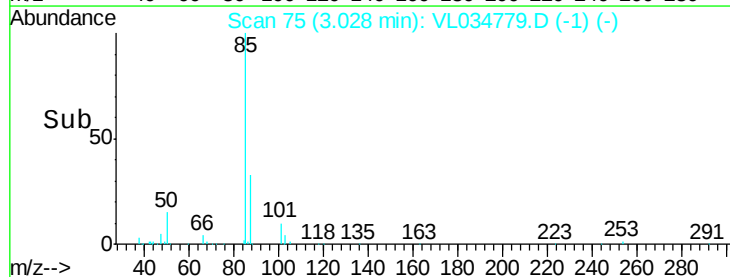
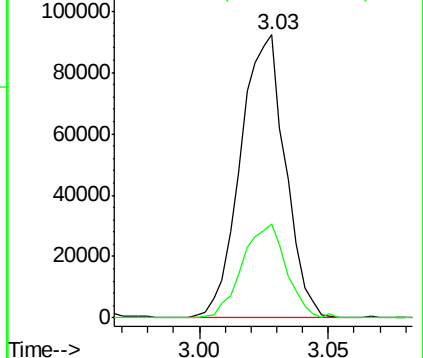
85 100

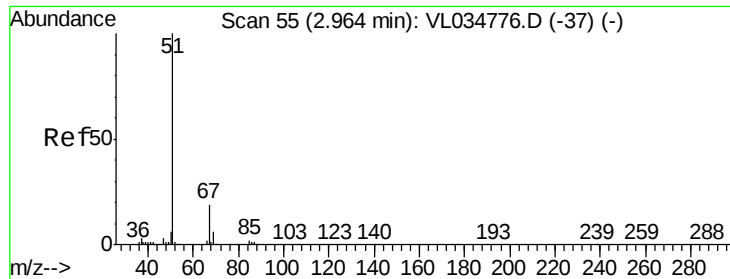
87 33.5 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.596 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 68911

Ion Ratio Lower Upper

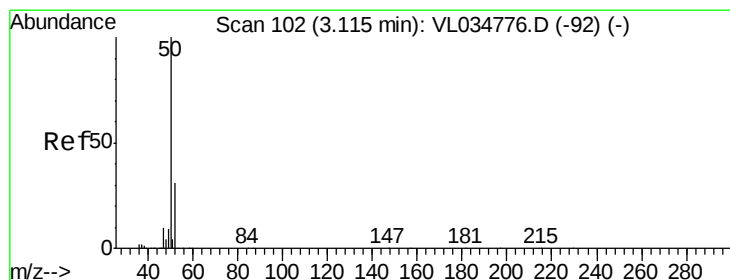
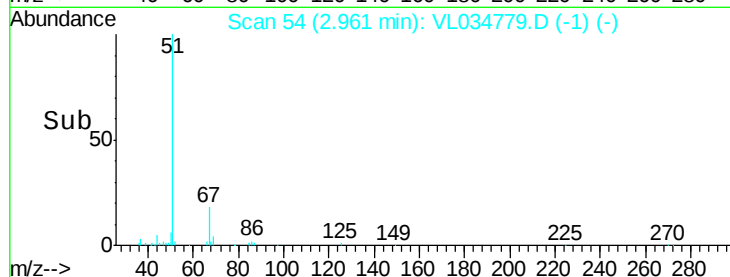
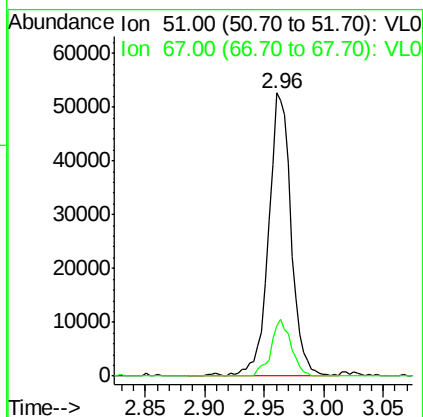
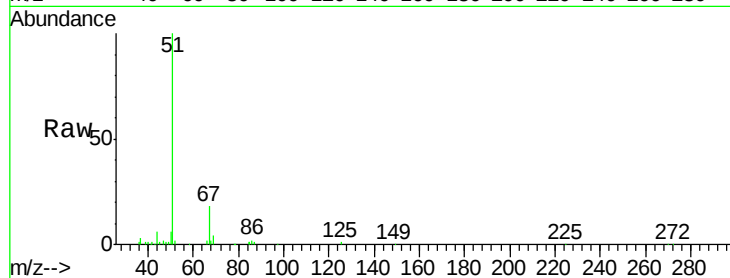
51 100

67 17.8 15.3 22.9

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#4

Chloromethane

Concen: 0.553 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.01 min

Lab File: VL034779.D

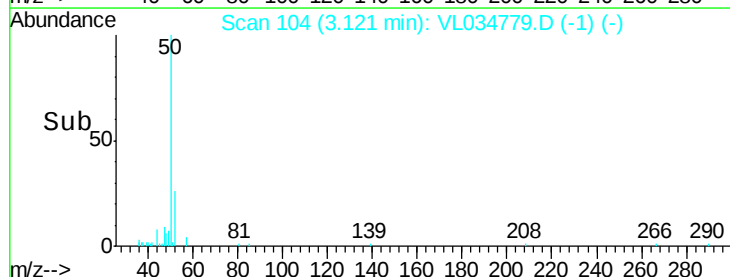
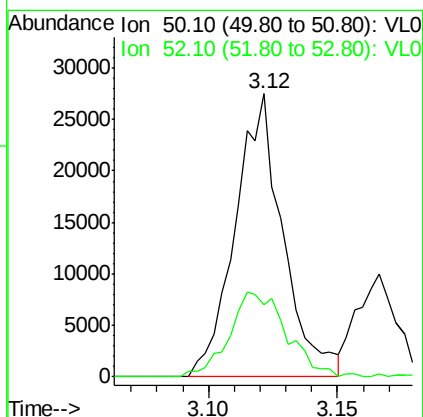
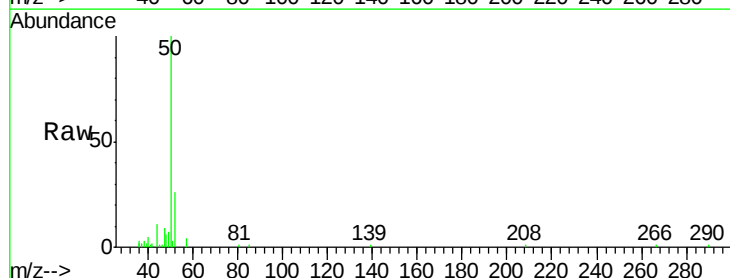
Acq: 4 Mar 2020 3:19

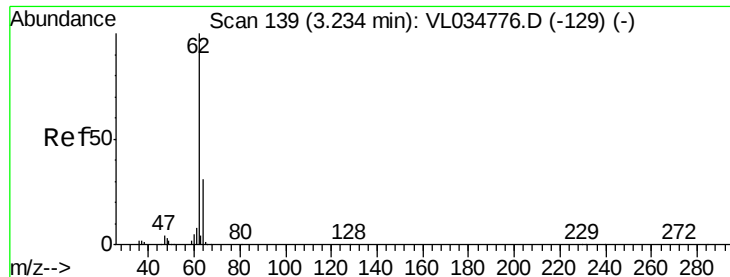
Tgt Ion: 50 Resp: 35441

Ion Ratio Lower Upper

50 100

52 25.5 25.0 37.4





#5

Vinyl Chloride

Concen: 0.523 ppbv

RT: 3.23 min Scan# 139

Delta R.T. 0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 32945

Ion Ratio Lower Upper

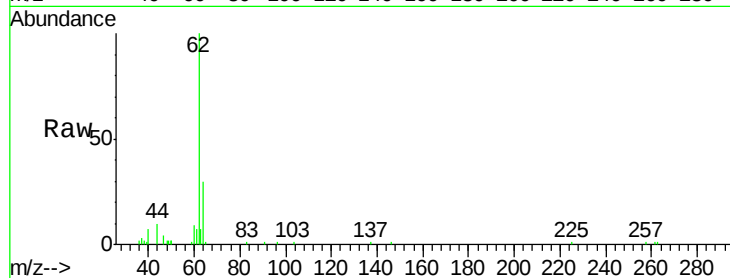
62 100

64 29.7 25.1 37.7

Manual Integrations
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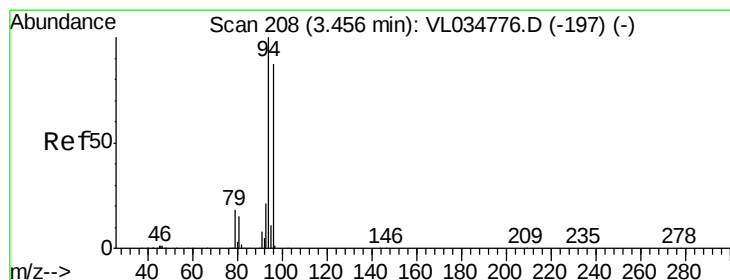
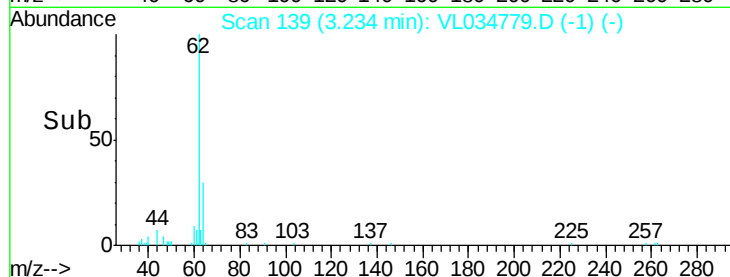
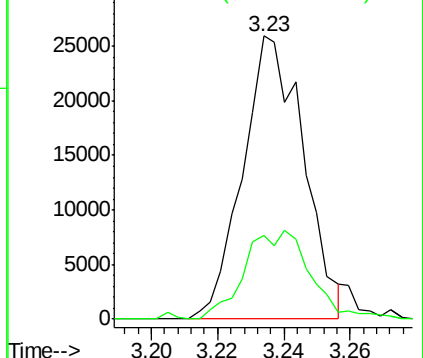
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.548 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL034779.D

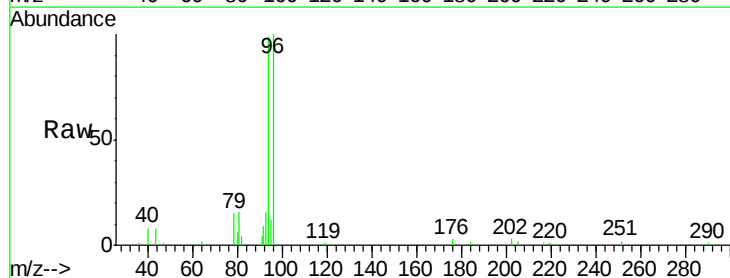
Acq: 4 Mar 2020 3:19

Tgt Ion: 94 Resp: 20223

Ion Ratio Lower Upper

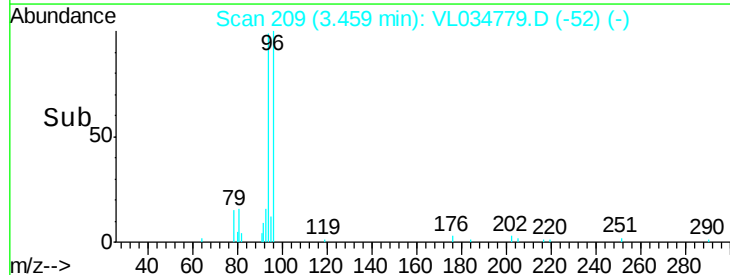
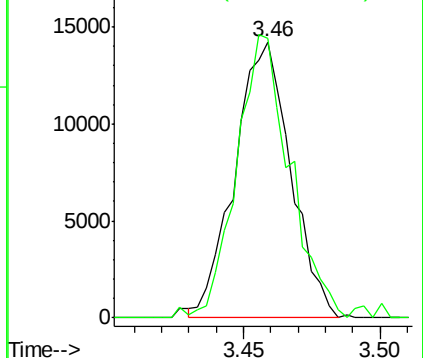
94 100

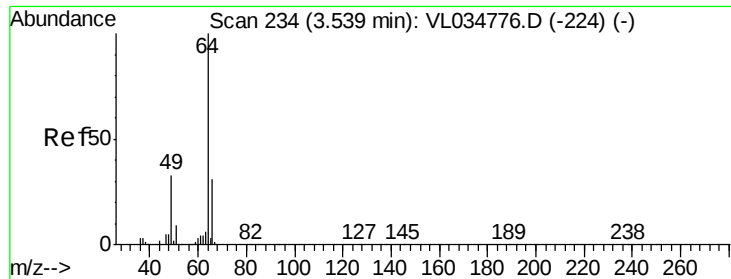
96 100.1 70.0 105.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.573 ppbv m

RT: 3.54 min Scan# 234

Delta R.T. 0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 13356

Ion Ratio Lower Upper

64 100

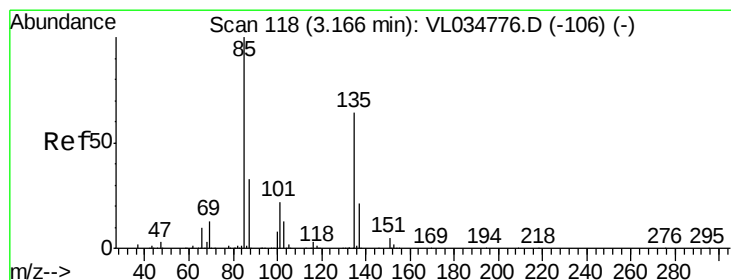
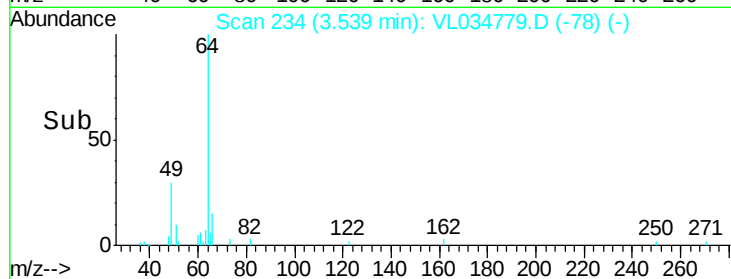
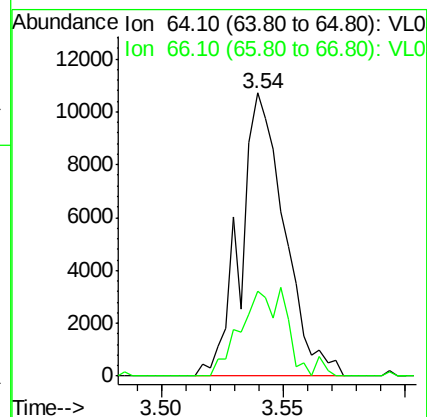
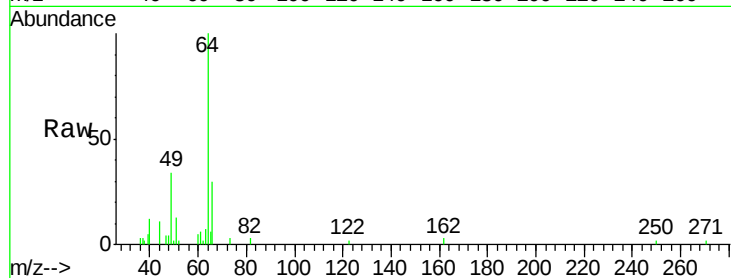
66 30.2 24.8 37.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.592 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.00 min

Lab File: VL034779.D

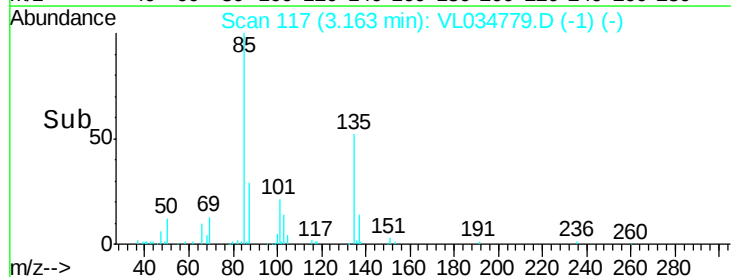
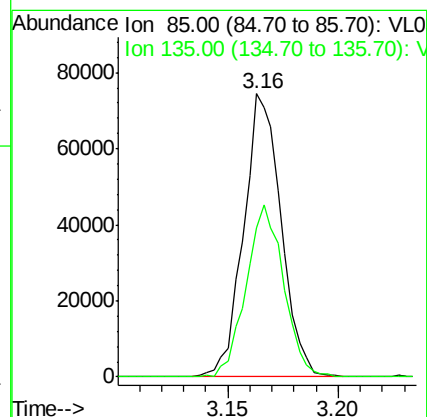
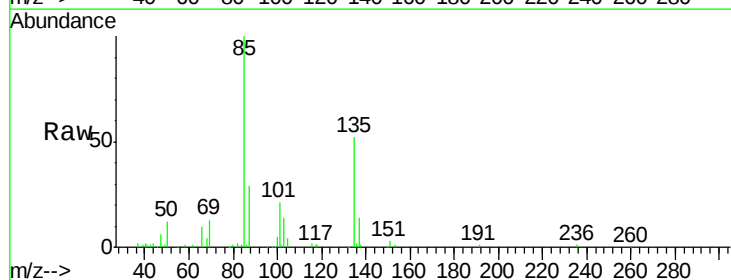
Acq: 4 Mar 2020 3:19

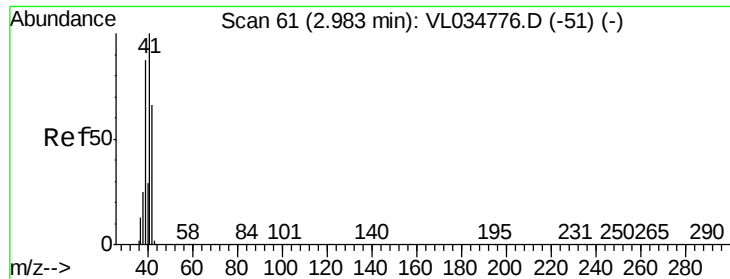
Tgt Ion: 85 Resp: 87993

Ion Ratio Lower Upper

85 100

135 60.7 49.4 74.2





#9

Propene

Concen: 0.527 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 25333

Ion Ratio Lower Upper

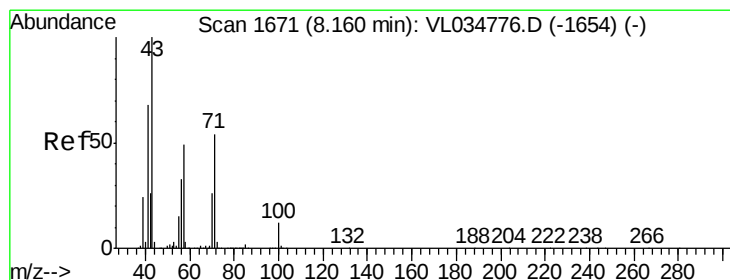
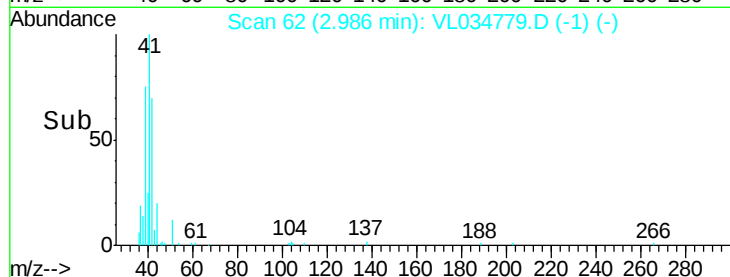
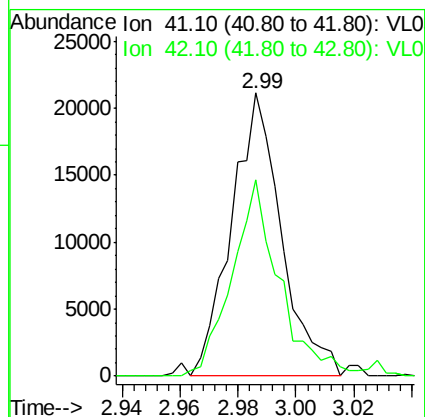
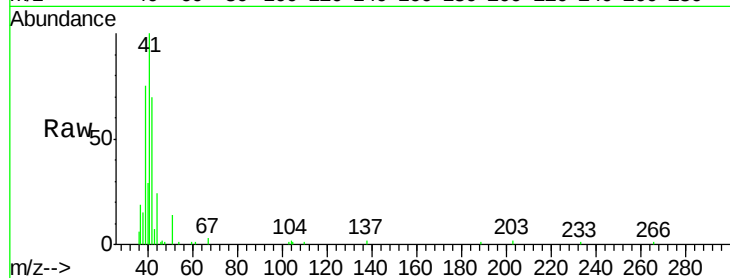
41 100

42 67.3 55.6 83.4

Manual Integrations
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#10

Heptane

Concen: 0.440 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VL034779.D

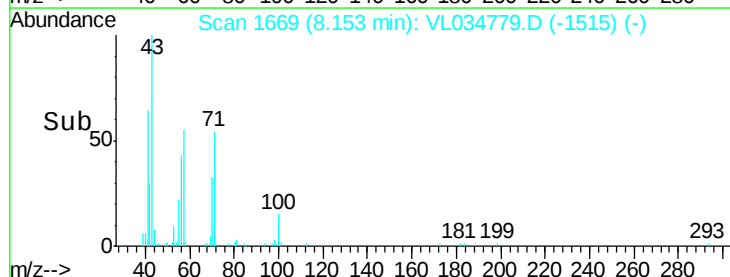
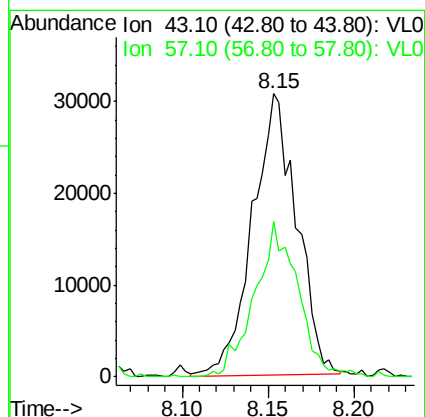
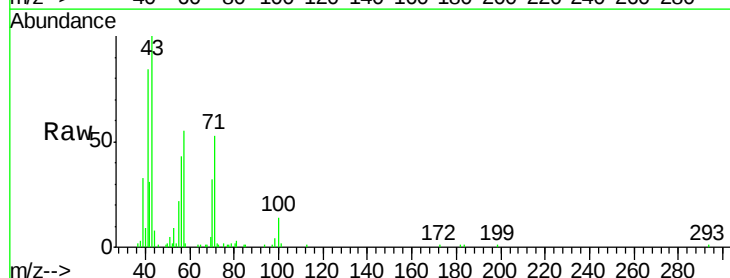
Acq: 4 Mar 2020 3:19

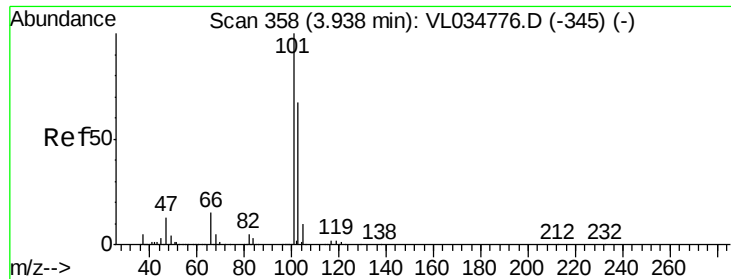
Tgt Ion: 43 Resp: 54574

Ion Ratio Lower Upper

43 100

57 54.2 40.5 60.7





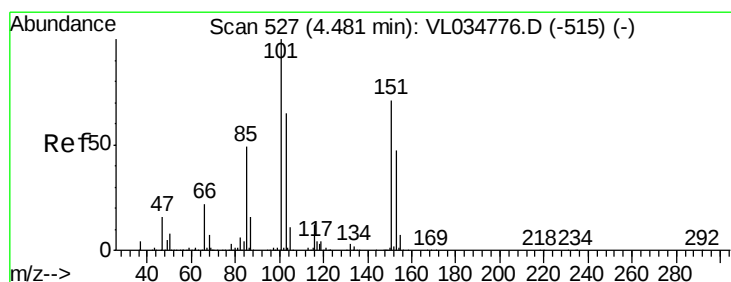
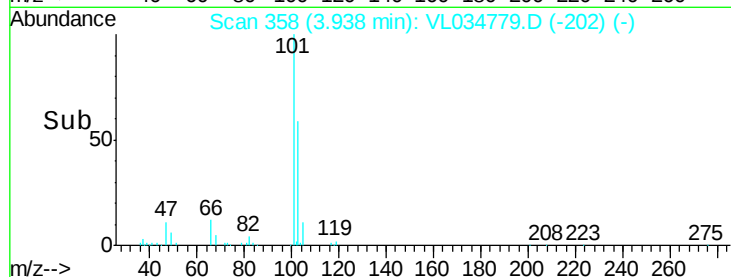
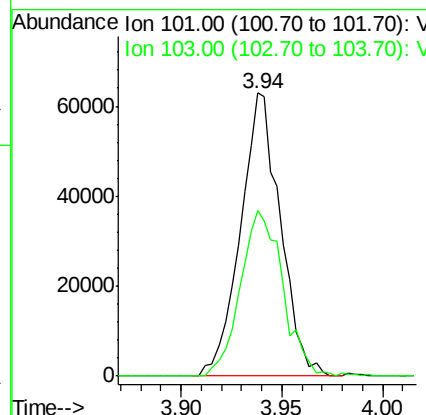
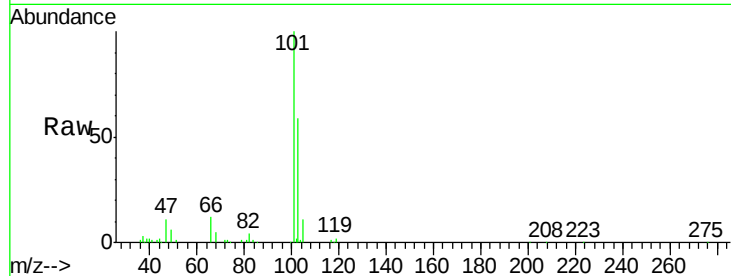
#11
 Trichlorofluoromethane
 Concen: 0.591 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		87148		
103	58.5		53.6	80.4	

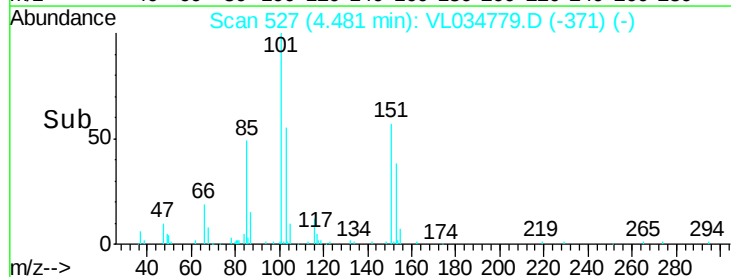
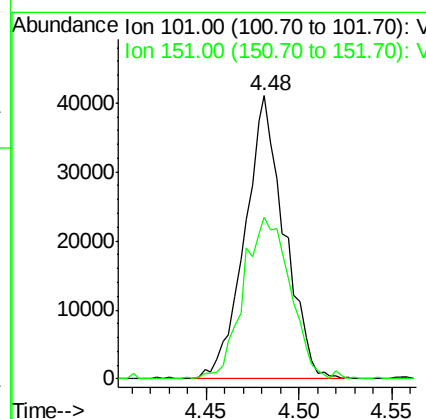
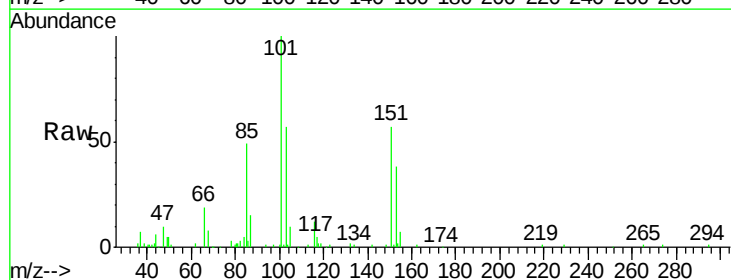
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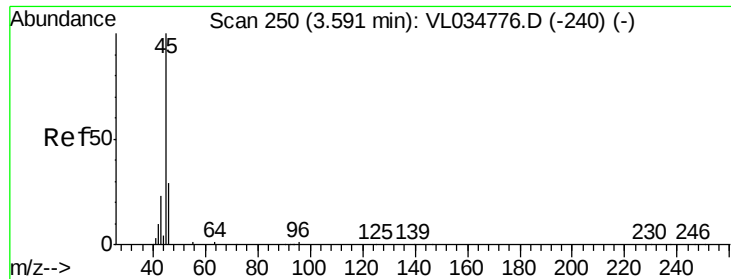
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.587 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		60859		
151	68.3		56.6	85.0	





#13

Ethanol

Concen: 0.752 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 11392

Ion Ratio Lower Upper

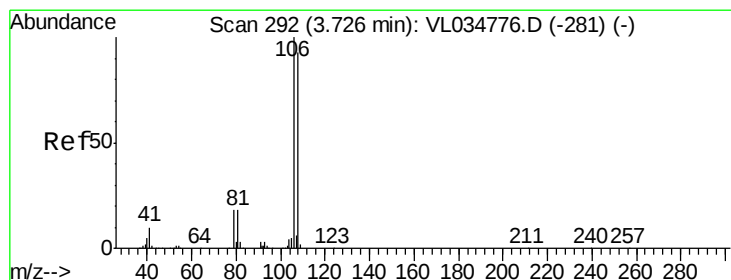
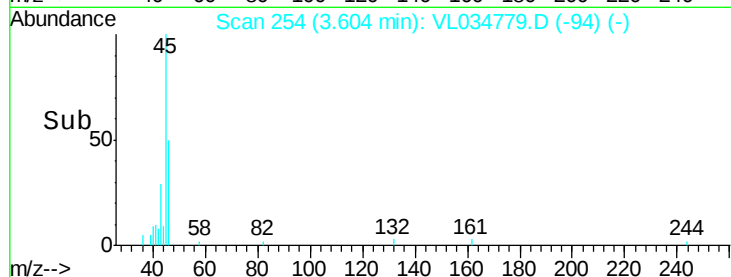
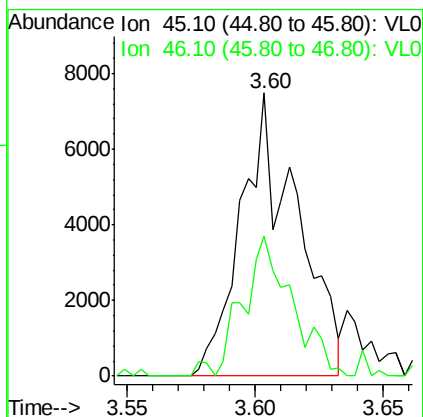
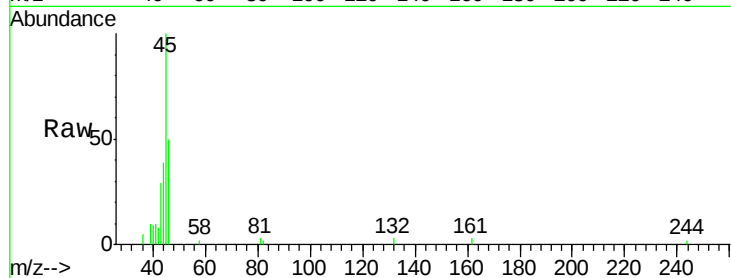
45 100

46 0.0 14.7 58.9#

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#14

Bromoethene

Concen: 0.515 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

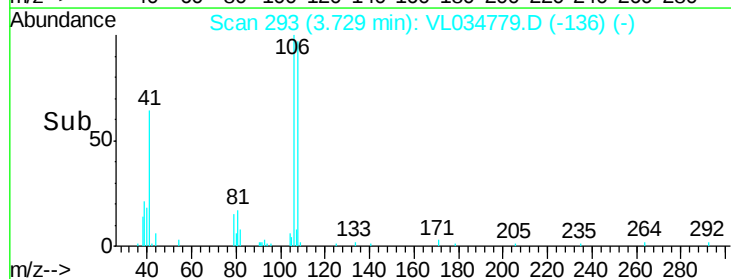
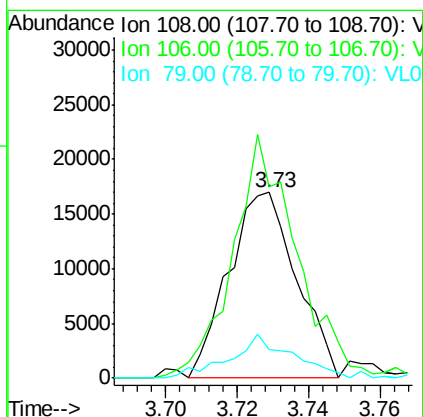
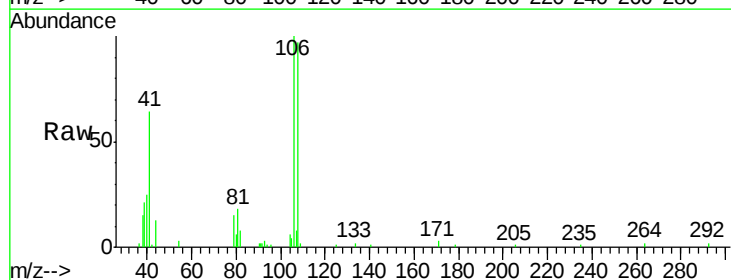
Tgt Ion: 108 Resp: 22367

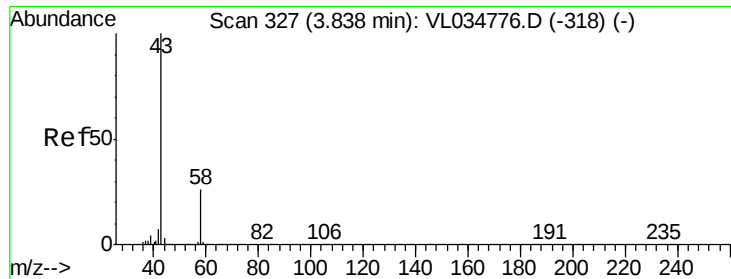
Ion Ratio Lower Upper

108 100

106 123.9 83.5 125.3

79 22.4 15.6 23.4





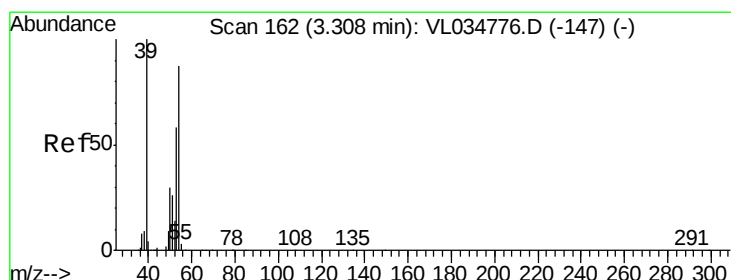
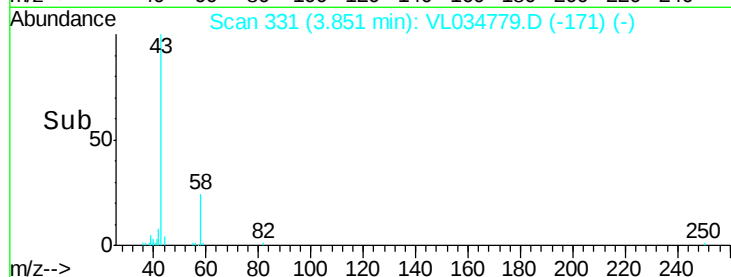
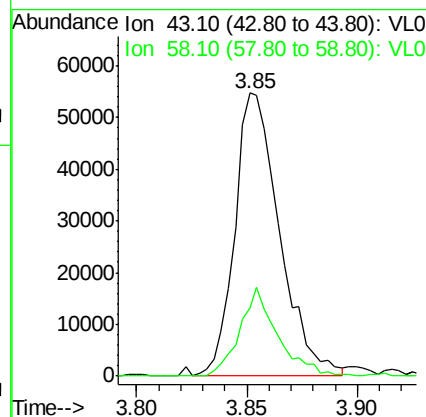
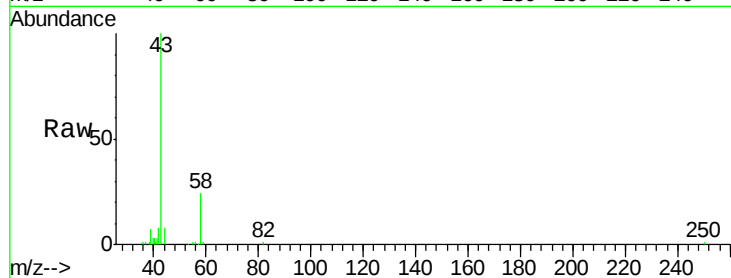
#15
Acetone
Concen: 0.631 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 43 Resp: 76838
Ion Ratio Lower Upper
43 100
58 27.0 21.0 31.6

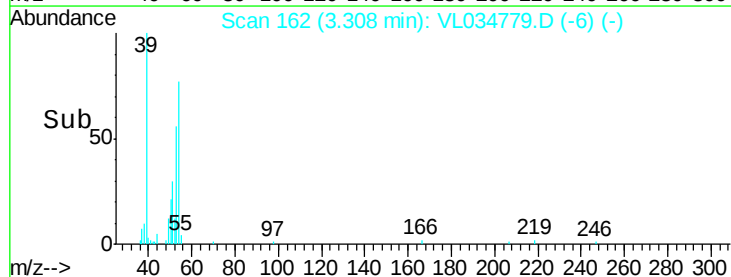
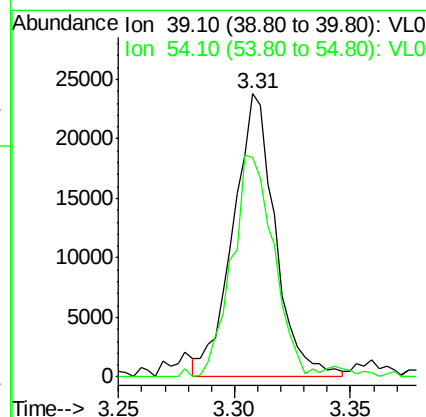
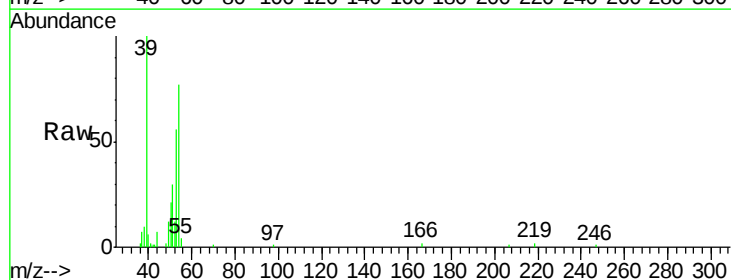
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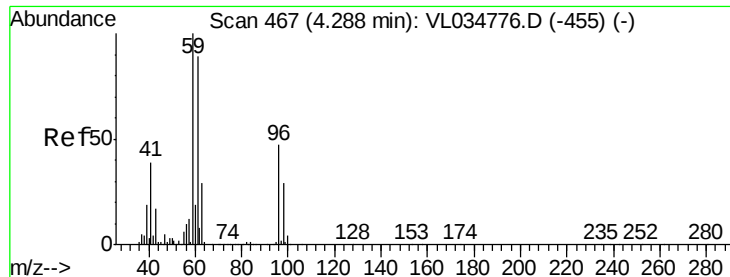
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#16
1,3-Butadiene
Concen: 0.526 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.00 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Tgt Ion: 39 Resp: 29740
Ion Ratio Lower Upper
39 100
54 82.2 64.2 96.2





#17

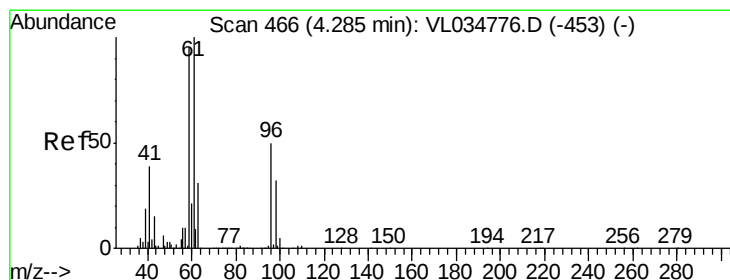
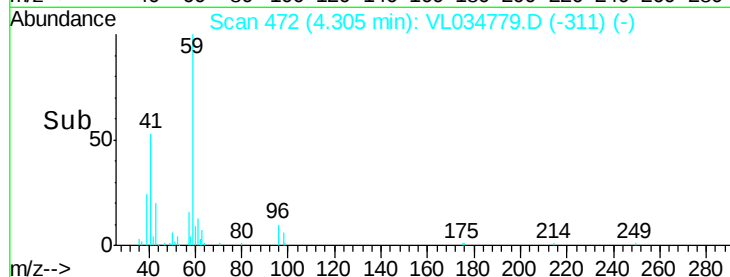
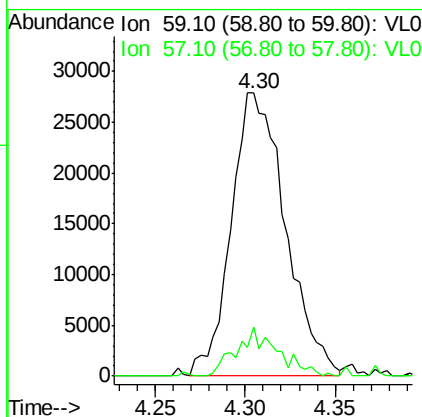
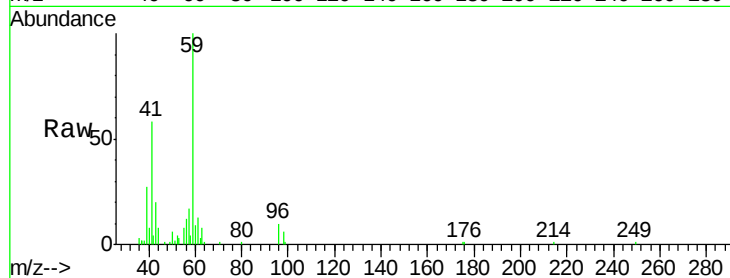
tert-Butyl alcohol
 Concen: 0.628 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.02 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#

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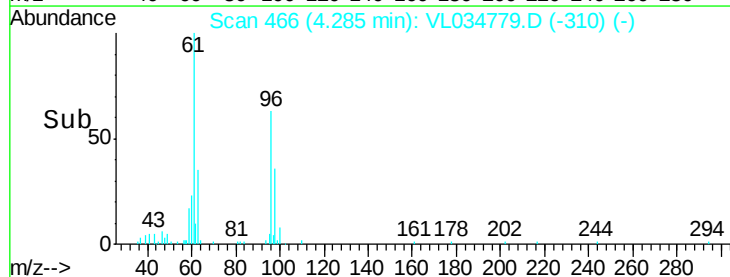
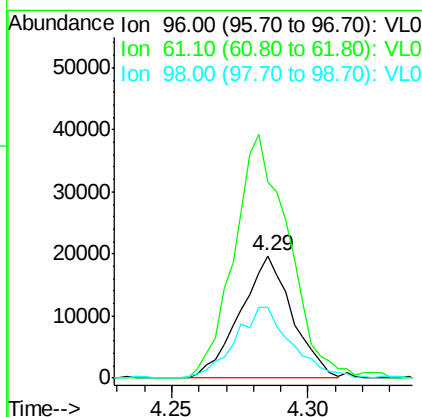
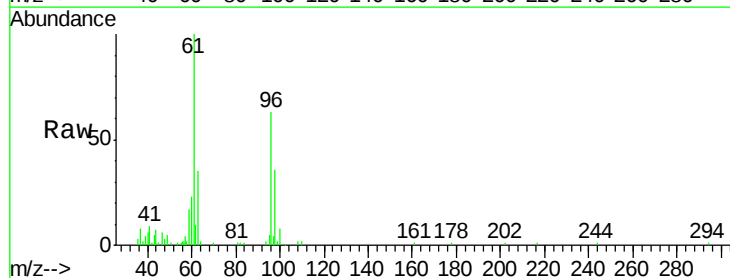
apatel
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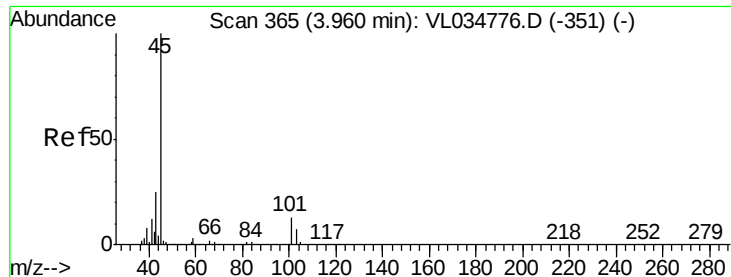


#18

1,1-Dichloroethene
 Concen: 0.560 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	159.5	239.3
98	56.7	51.1	76.7





#19

Isopropyl Alcohol

Concen: 0.592 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.02 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 42997

Ion Ratio Lower Upper

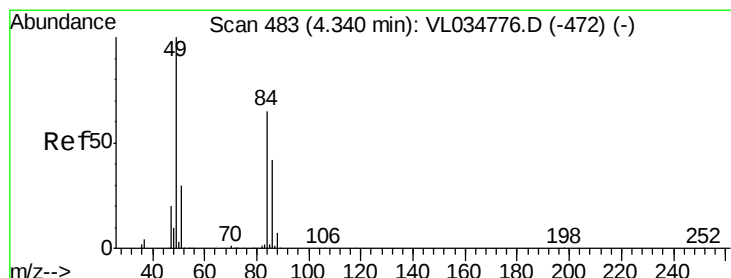
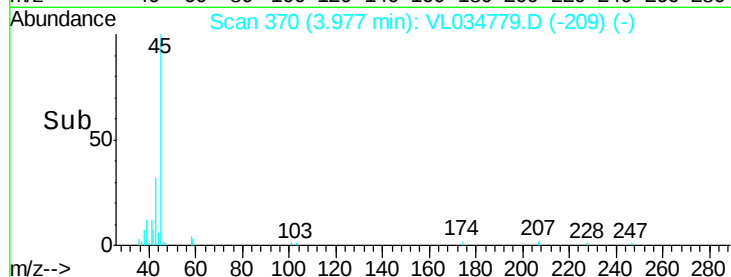
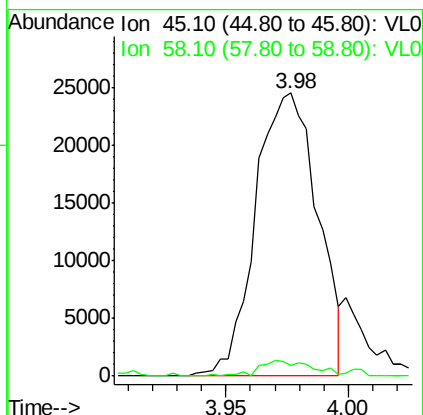
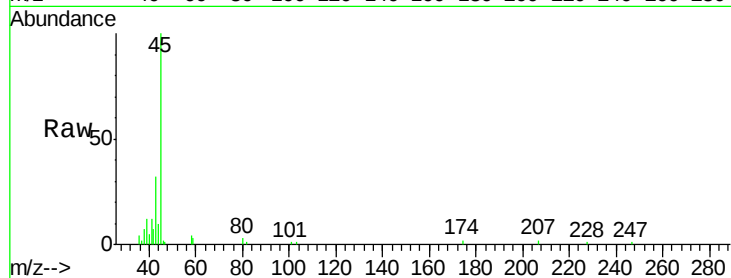
45 100

58 5.5 1.8 2.8#

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#20

Methylene Chloride

Concen: 0.601 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Tgt Ion: 84 Resp: 27125

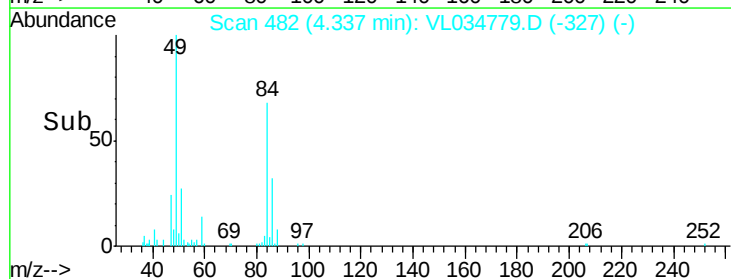
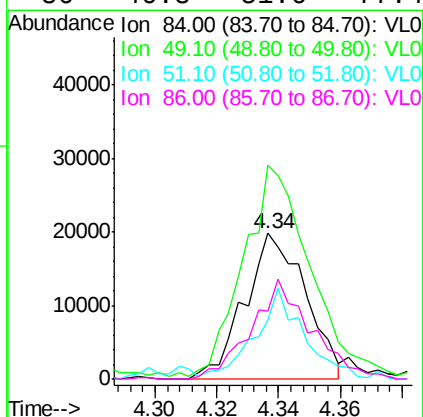
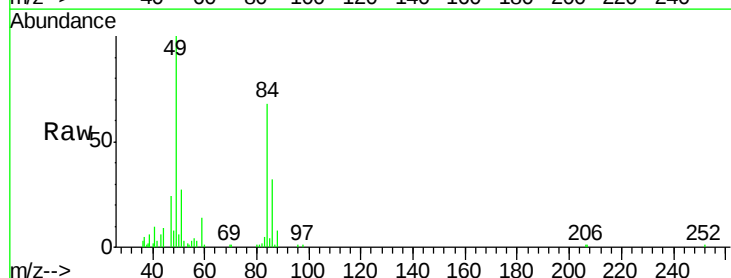
Ion Ratio Lower Upper

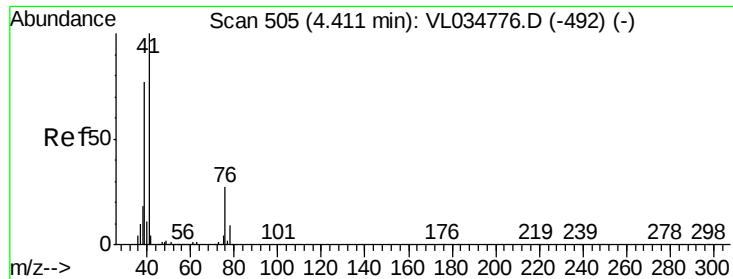
84 100

49 144.3 123.2 184.8

51 37.9 37.4 56.2

86 46.8 51.6 77.4#





#21

Allvl Chloride

Concen: 0.523 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

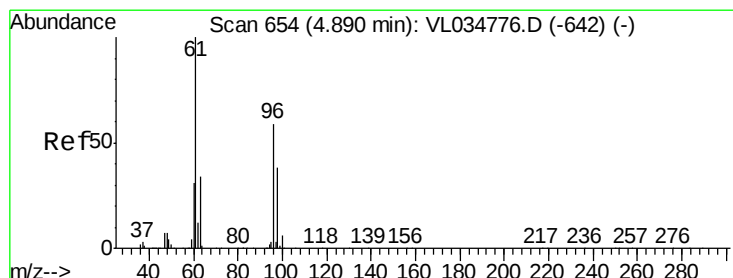
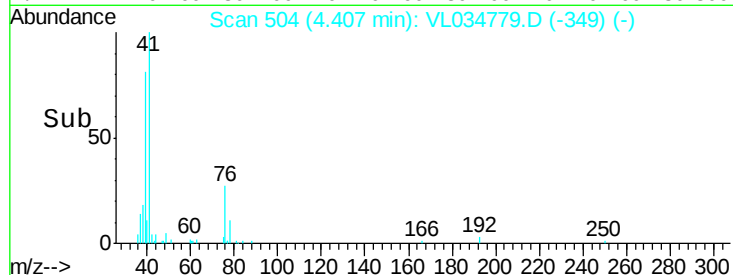
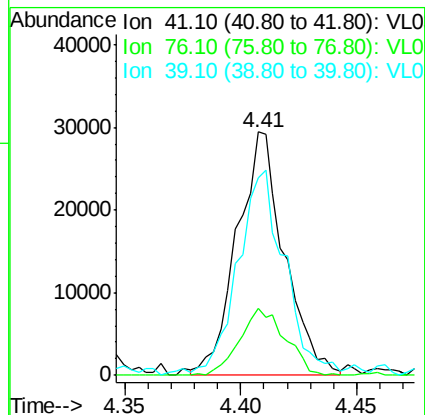
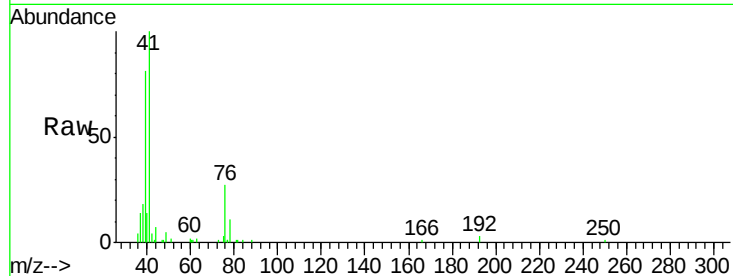
ClientSampleId :

VSTDIC0.5

Tot Ion:	41	Resp:	41719
Ion	Ratio	Lower	Upper
41	100		
76	26.5	22.5	33.7
39	88.2	65.0	97.6

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#22

trans-1,2-Dichloroethene

Concen: 0.552 ppbv

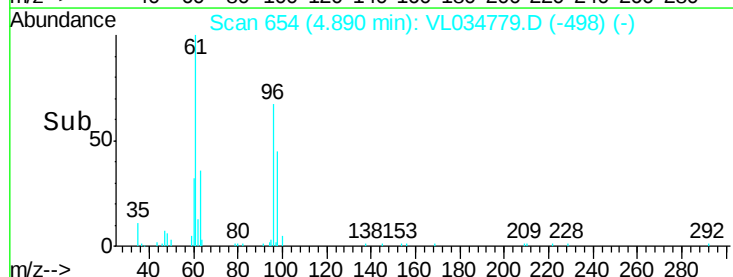
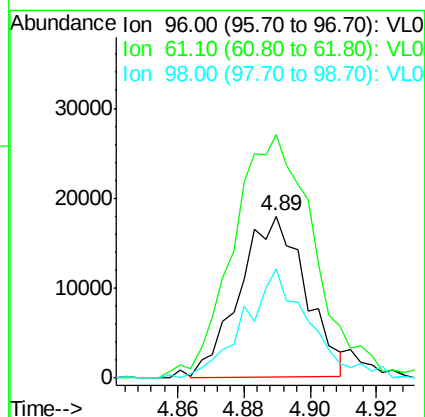
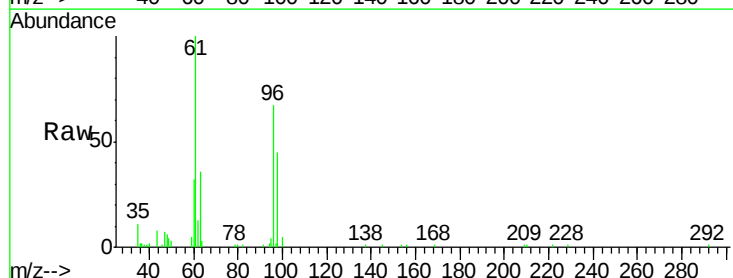
RT: 4.89 min Scan# 654

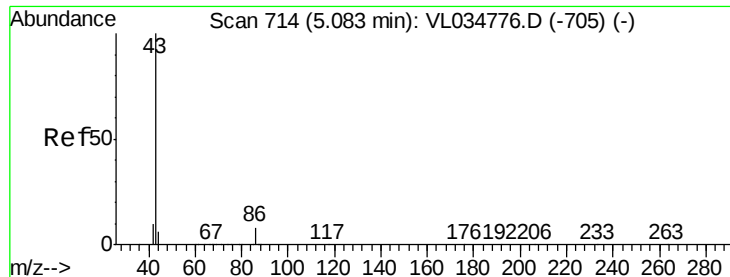
Delta R.T. 0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Tgt Ion:	96	Resp:	24828
Ion	Ratio	Lower	Upper
96	100		
61	146.4	135.2	202.8
98	65.9	50.8	76.2





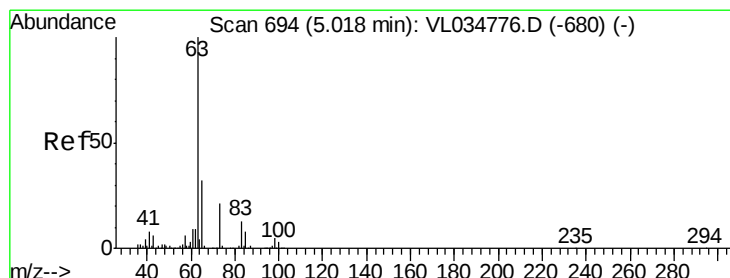
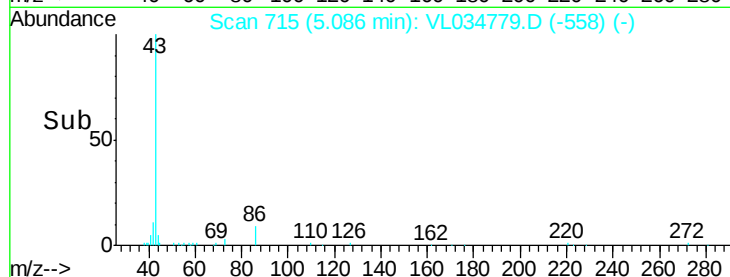
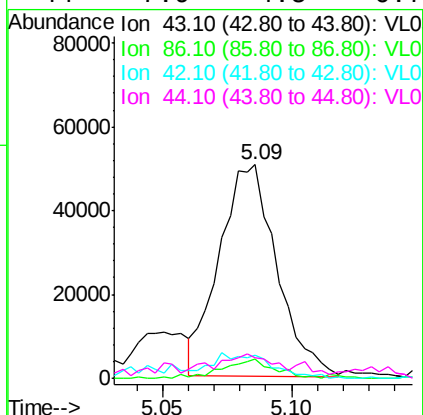
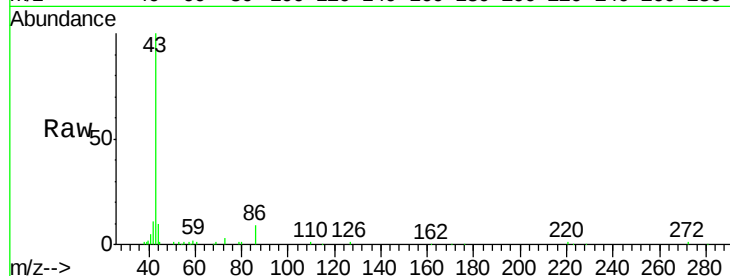
#23
 Vinyl Acetate
 Concen: 0.476 ppbv
 RT: 5.09 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.7	5.9	8.9
42	10.1	8.2	12.2
44	7.9	4.5	6.7#

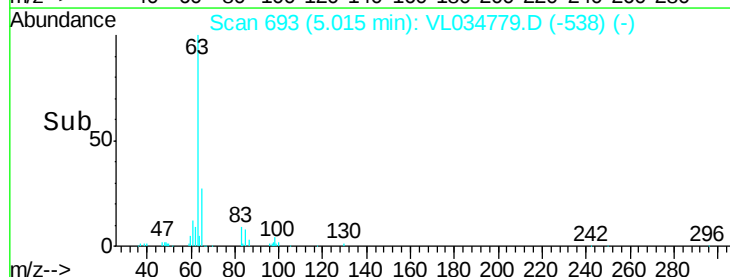
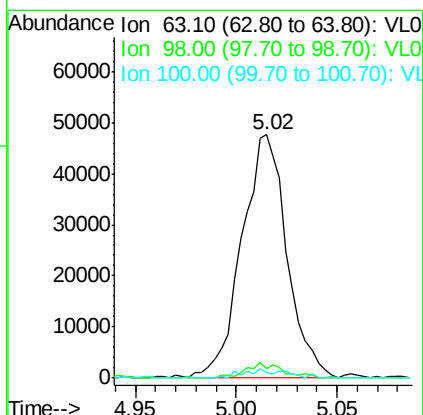
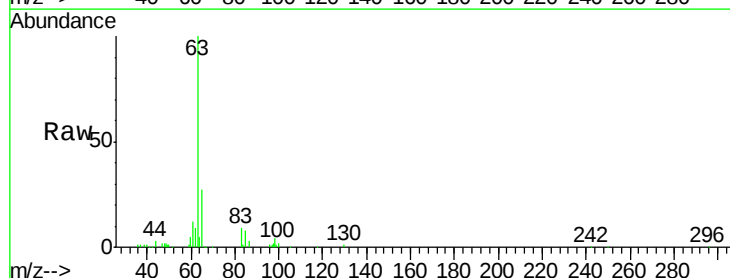
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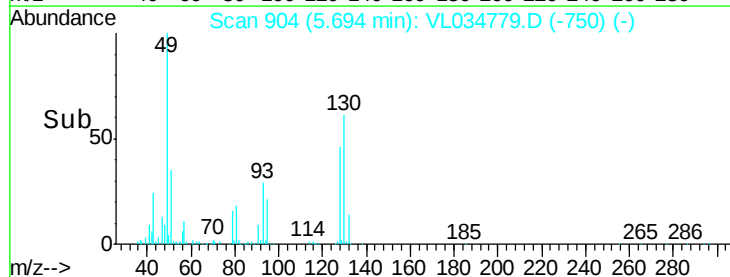
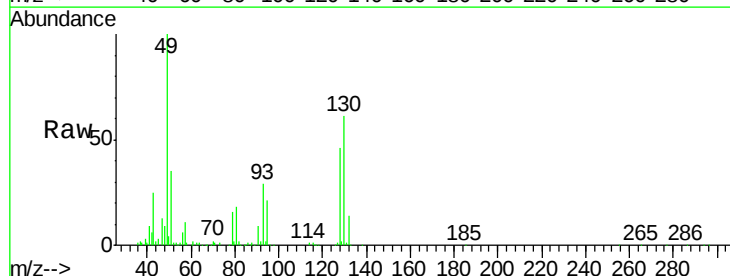
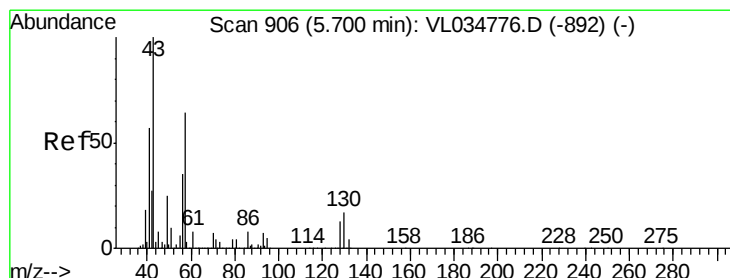
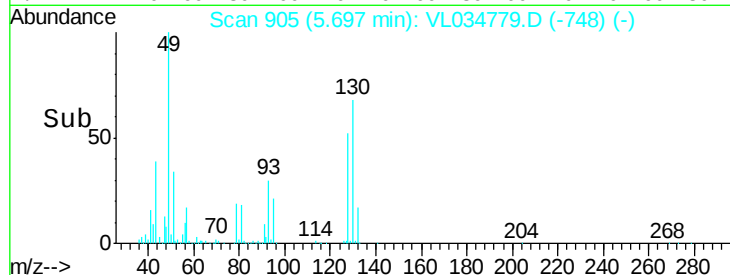
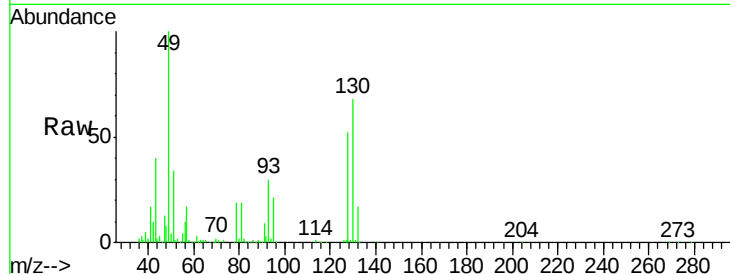
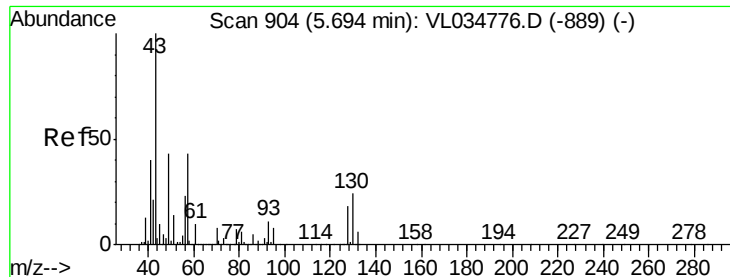
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#24
 1,1-Dichloroethane
 Concen: 0.565 ppbv
 RT: 5.02 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.2	1.5	4.4





#25

Ethyl Acetate

Concen: 0.530 ppbv

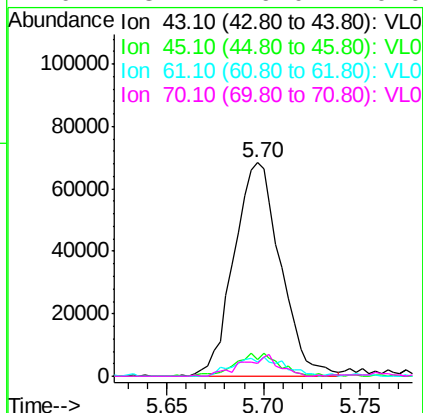
RT: 5.70 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Tot Ion	43	Resp	114328
Ion Ratio	Lower	Upper	
43	100		
45	10.3	8.2	12.4
61	10.2	7.5	11.3
70	8.2	6.0	9.0



Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

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#26

Hexane

Concen: 0.485 ppbv

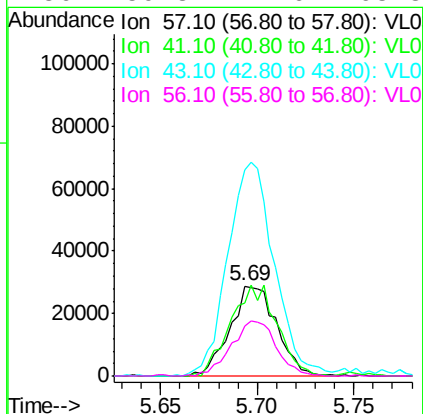
RT: 5.69 min Scan# 904

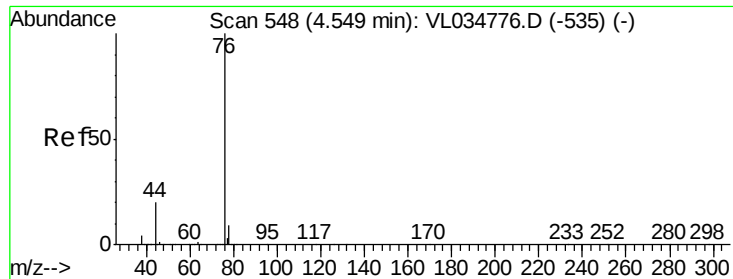
Delta R.T. -0.01 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Tgt Ion	57	Resp	48127
Ion Ratio	Lower	Upper	
57	100		
41	101.7	72.0	108.0
43	245.2	179.1	268.7
56	59.3	42.6	63.8





#27

Carbon Disulfide

Concen: 0.485 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

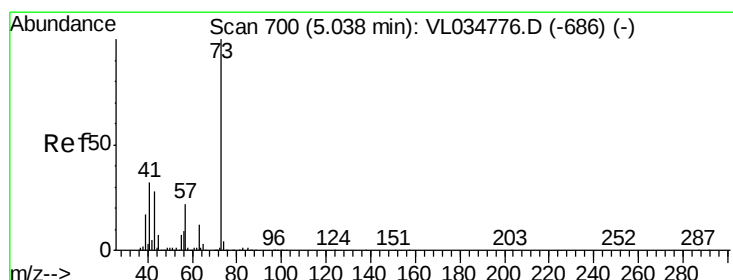
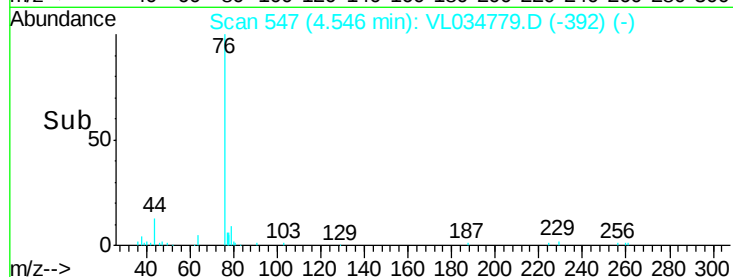
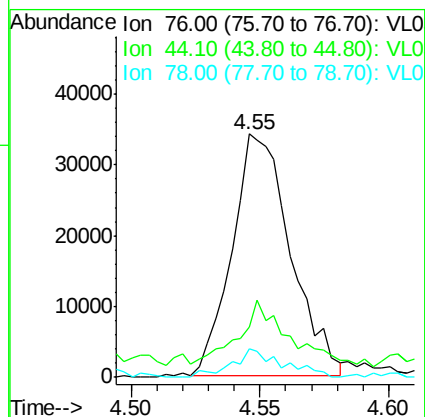
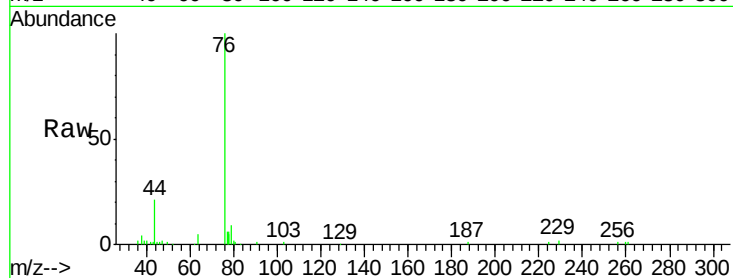
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	53988
Ion Ratio	Lower	Upper	
76	100		
44	31.9	16.1	24.1#
78	11.6	7.5	11.3#

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#28

Methyl tert-Butyl Ether

Concen: 0.514 ppbv

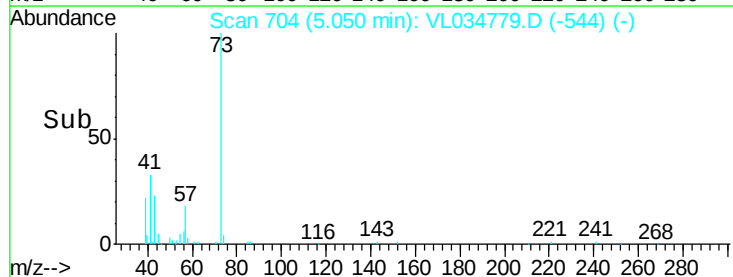
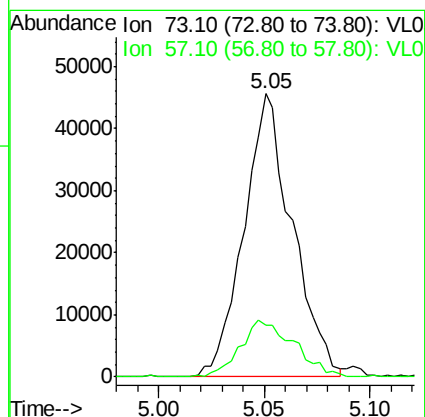
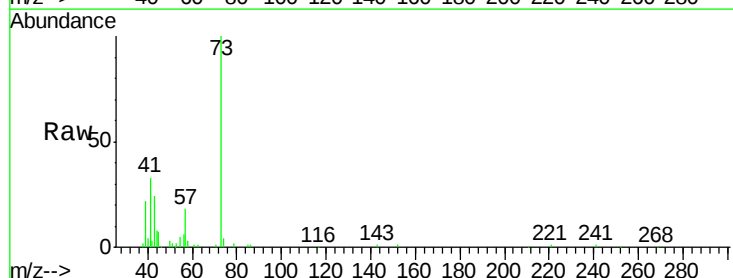
RT: 5.05 min Scan# 704

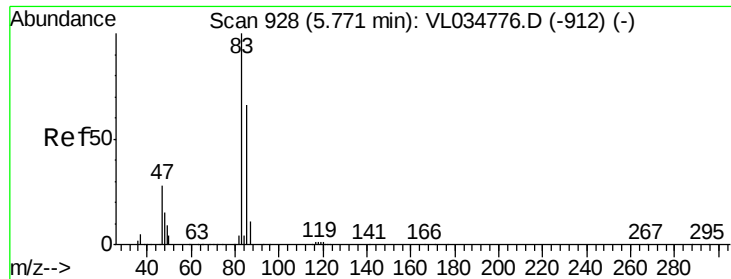
Delta R.T. 0.01 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Tgt Ion:	73	Resp:	72619
Ion Ratio	Lower	Upper	
73	100		
57	22.2	18.5	27.7





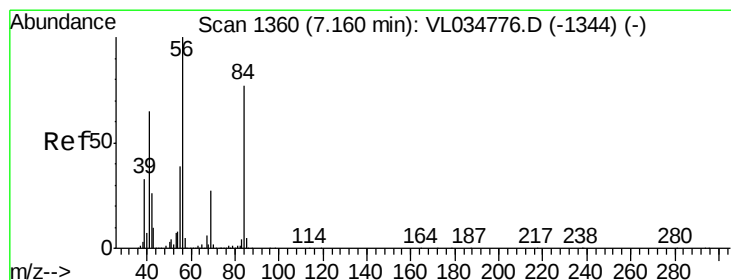
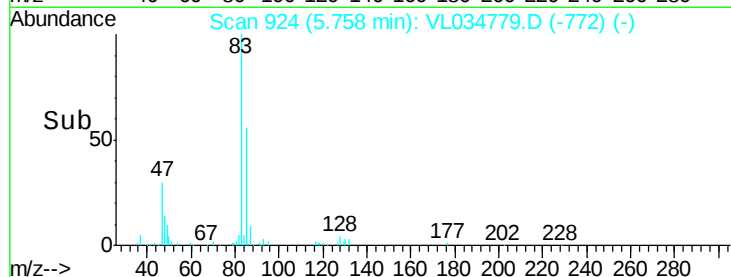
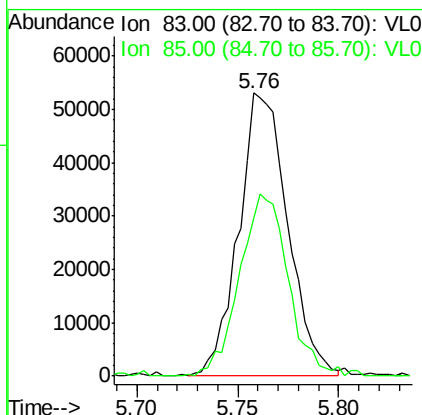
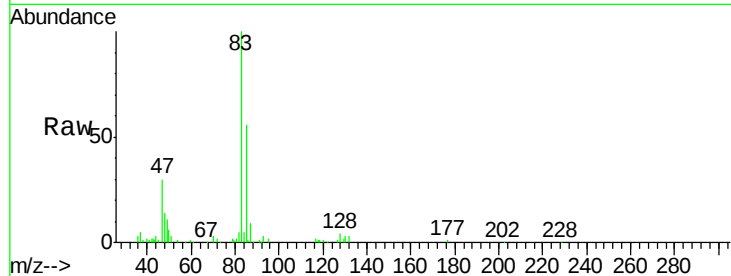
#29
Chloroform
Concen: 0.572 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	90406
Ion Ratio	100	Lower	Upper
83	100		
85	55.0	53.0	79.4

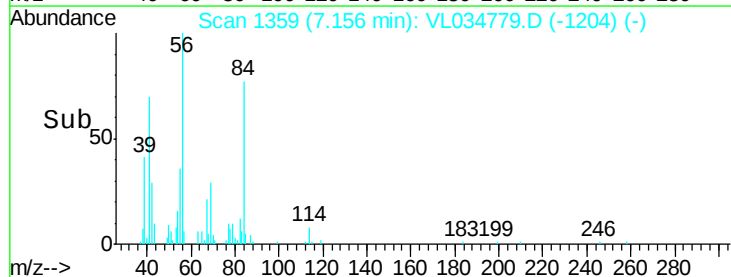
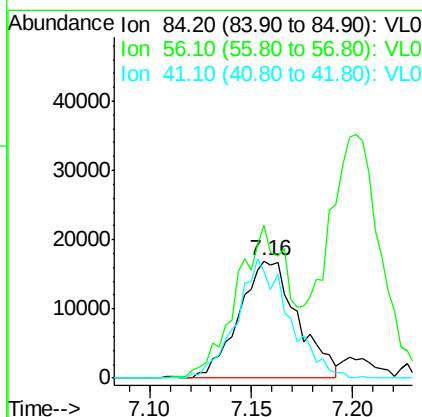
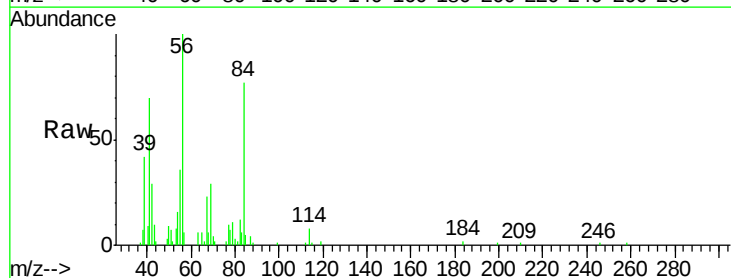
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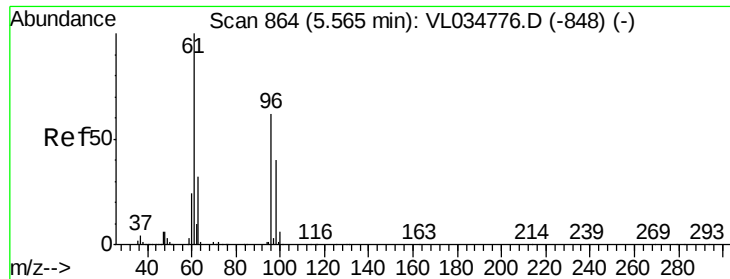
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#30
Cyclohexane
Concen: 0.440 ppbv m
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Tgt Ion	84	Resp	33813
Ion Ratio	100	Lower	Upper
84	100		
56	118.2	113.2	169.8
41	91.5	70.2	105.4





#31

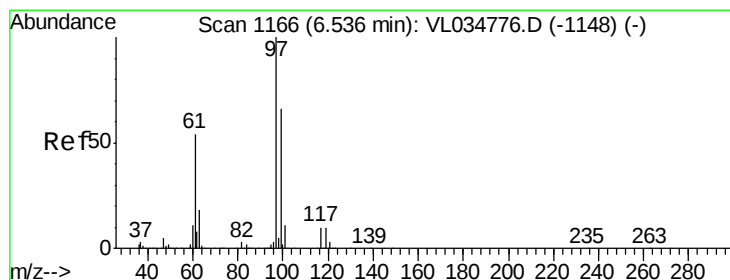
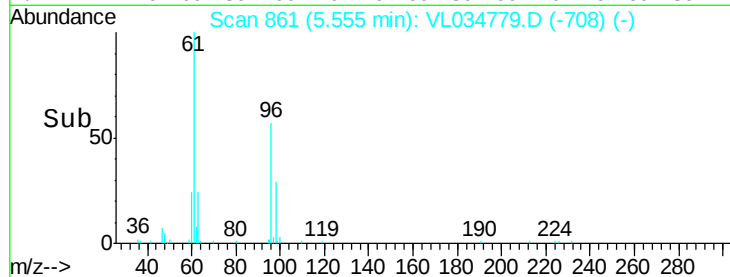
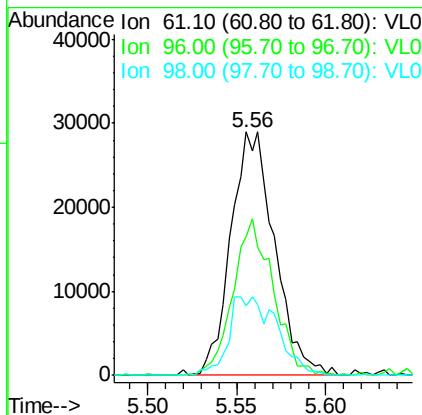
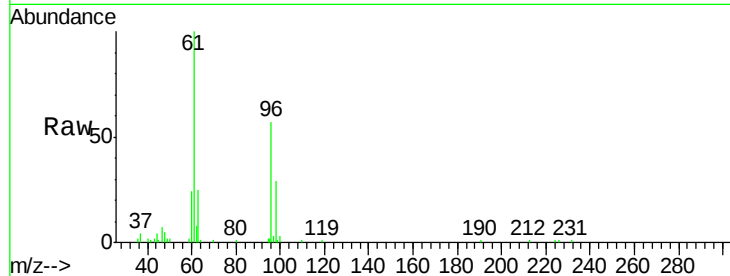
cis-1,2-Dichloroethene
Concen: 0.508 ppbv
RT: 5.56 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
61	100			
96	57.0	49.7	74.5	
98	28.5	31.9	47.9	

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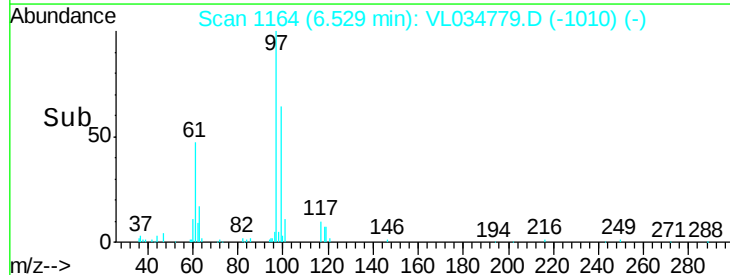
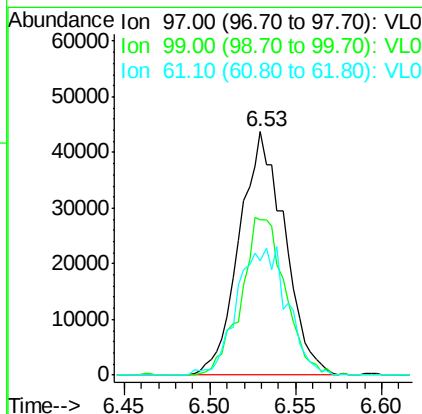
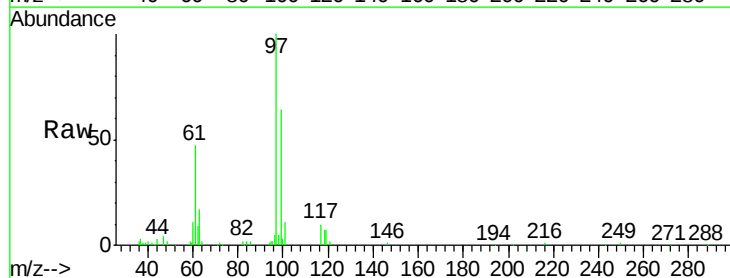
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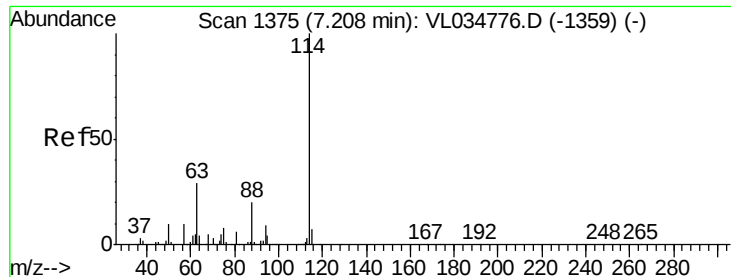


#32

1,1,1-Trichloroethane
Concen: 0.538 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	62.8	51.7	77.5	
61	58.1	43.4	65.0	





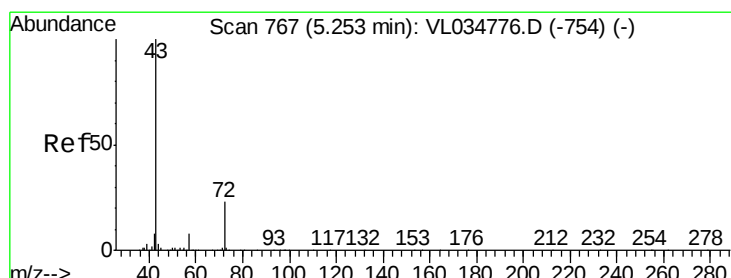
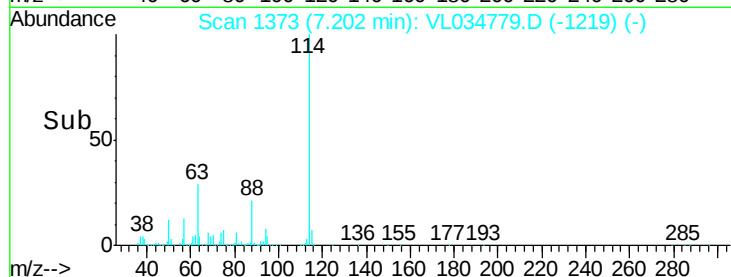
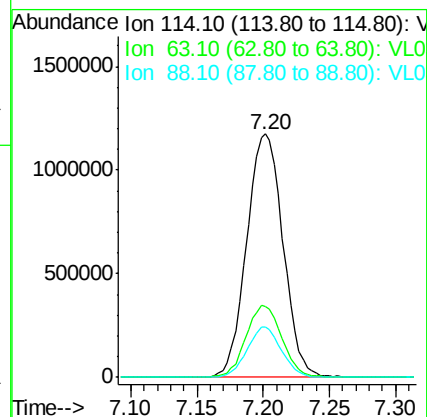
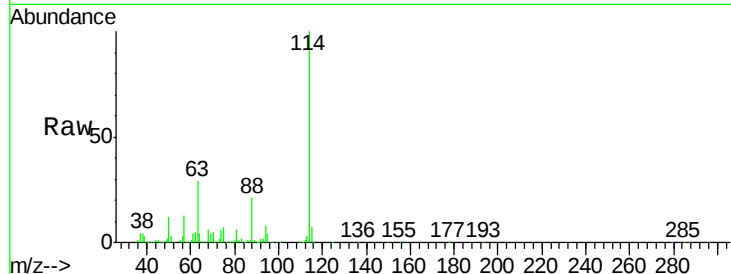
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.3	23.6	35.4
88	19.7	15.8	23.8

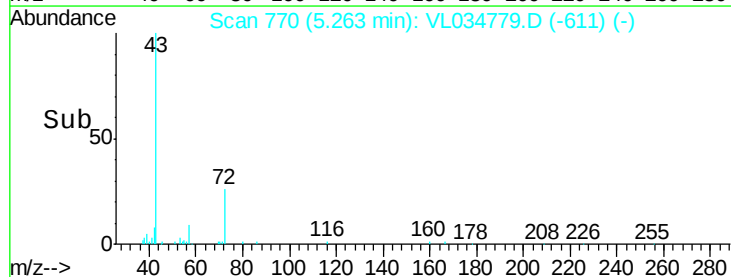
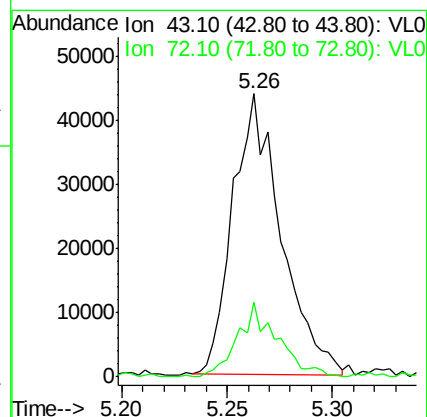
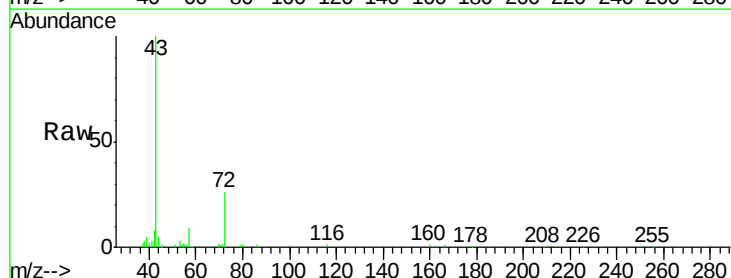
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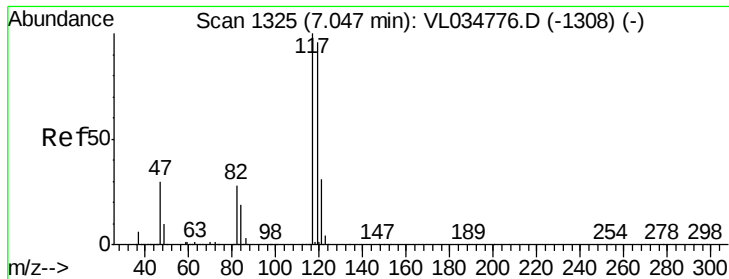
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#34
 2-Butanone
 Concen: 0.494 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.5	26.3





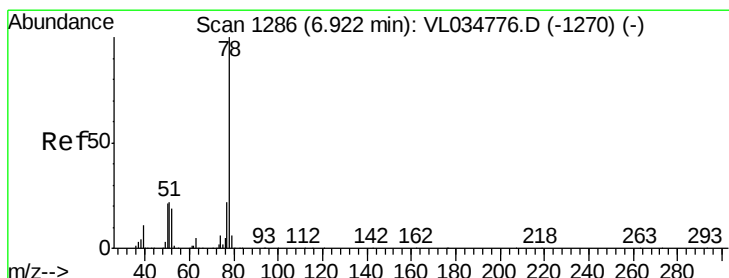
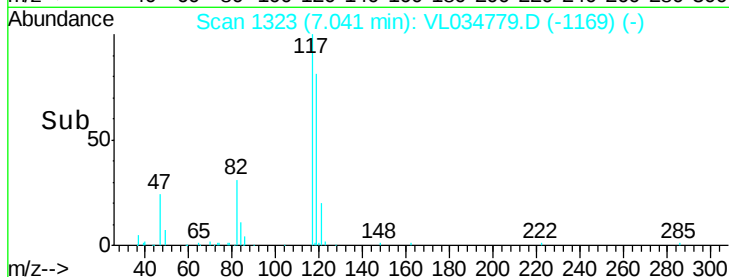
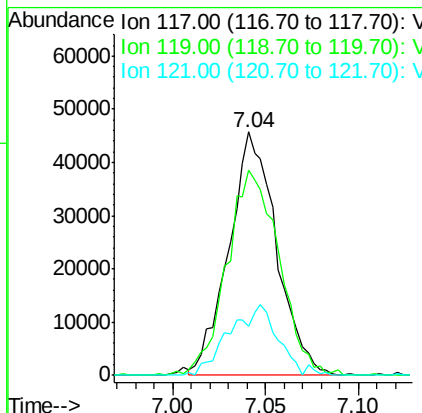
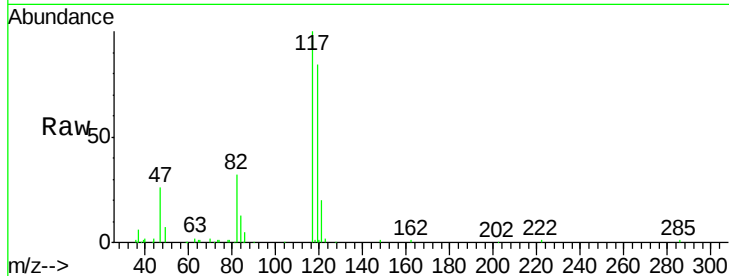
#35
Carbon Tetrachloride
Concen: 0.542 ppbv
RT: 7.04 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	83.2	76.8	115.2
121	20.2	24.6	37.0#

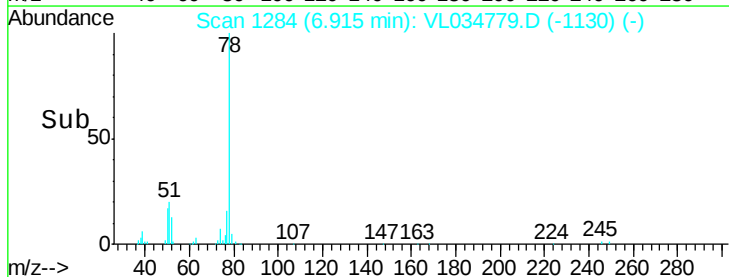
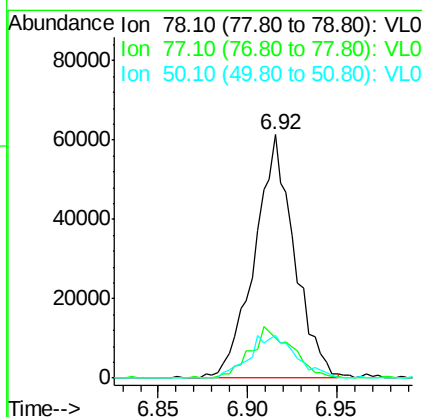
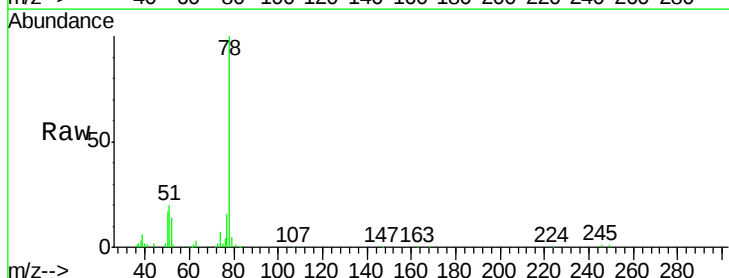
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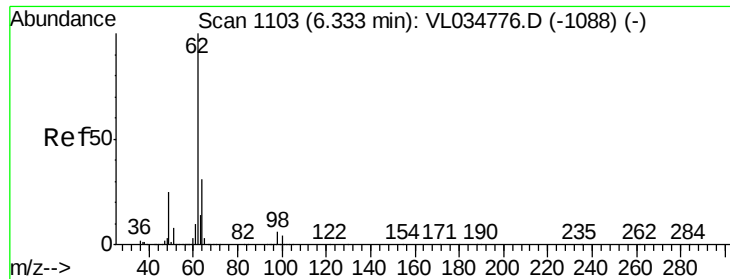
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#36
Benzene
Concen: 0.493 ppbv
RT: 6.92 min Scan# 1284
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	16.3	18.0	27.0#
50	17.3	16.9	25.3





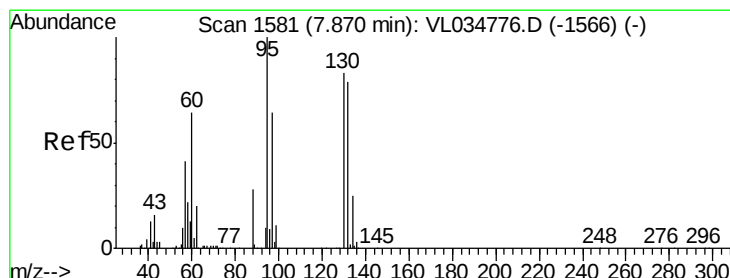
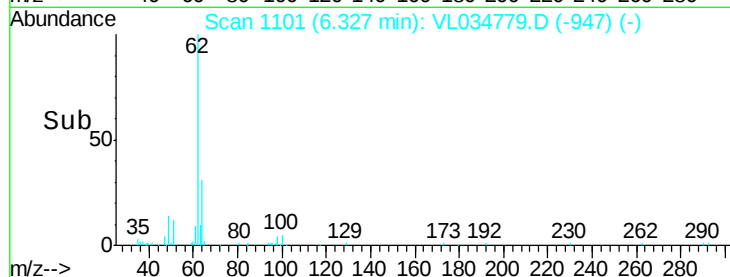
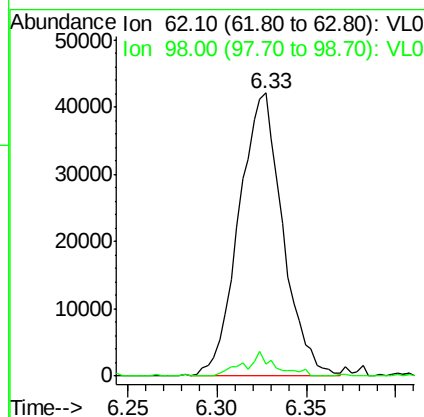
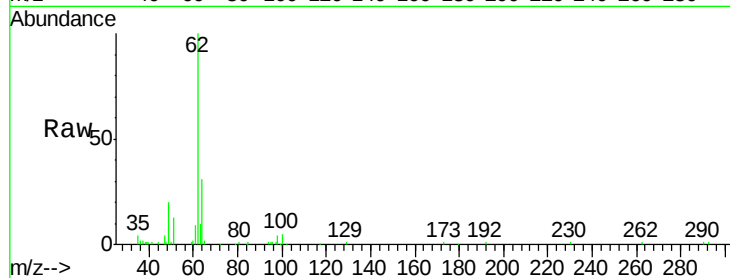
#37
 1,2-Dichloroethane
 Concen: 0.586 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. -0.01 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.4	6.6

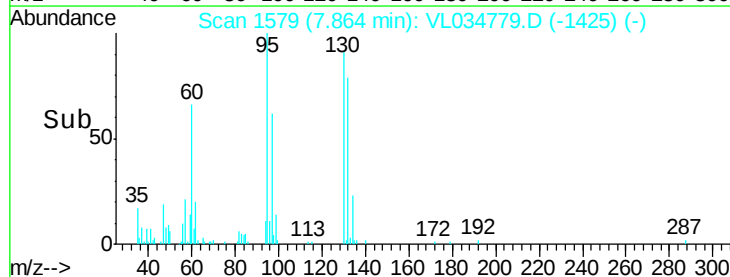
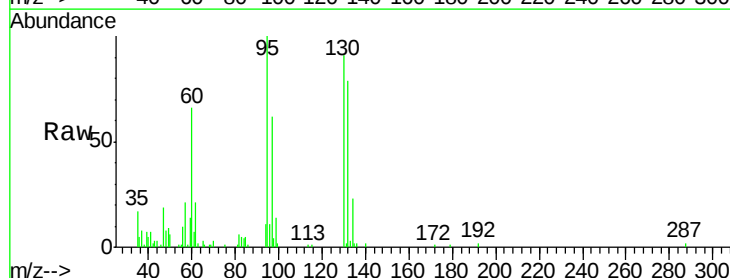
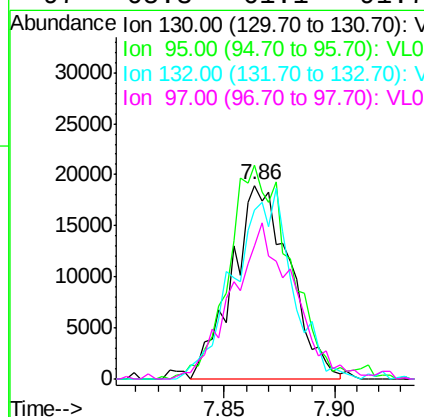
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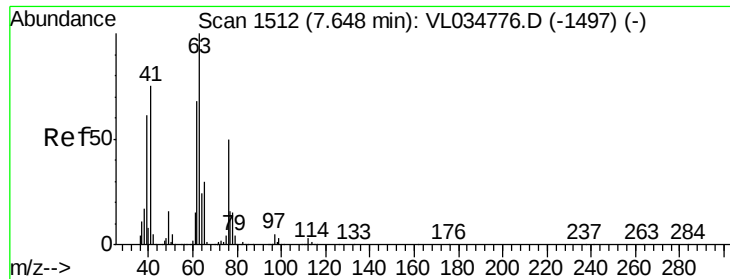
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#38
 Trichloroethene
 Concen: 0.461 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.6	95.8	143.8
132	83.6	76.1	114.1
97	65.3	61.1	91.7





#39

1,2-Dichloropropane

Concen: 0.518 ppbv m

RT: 7.64 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

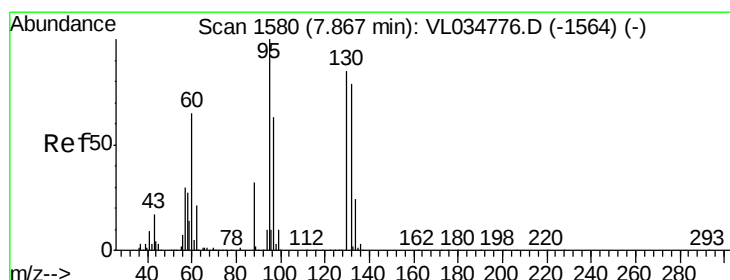
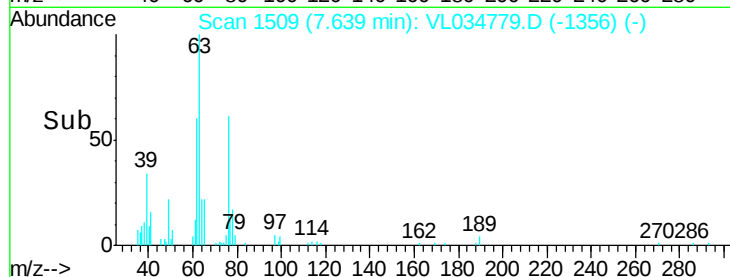
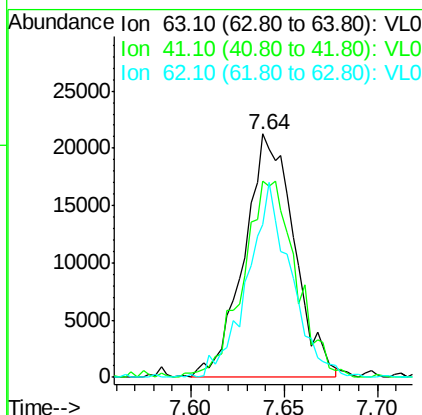
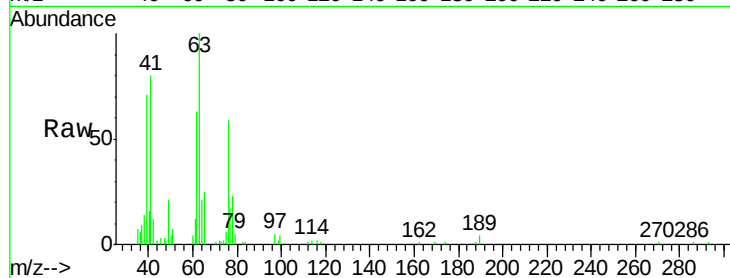
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	39712
Ion	Ratio	Lower	Upper
63	100		
41	80.4	60.3	90.5
62	62.8	54.5	81.7

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.525 ppbv m

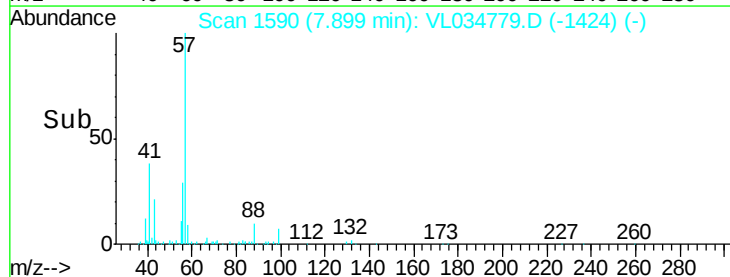
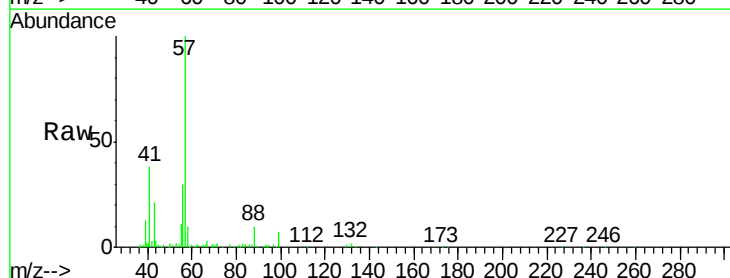
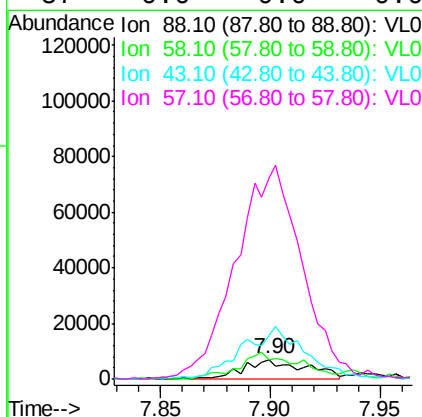
RT: 7.90 min Scan# 1590

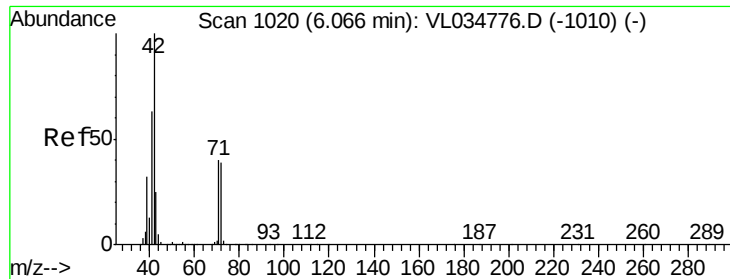
Delta R.T. 0.03 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Tgt Ion:	88	Resp:	13693
Ion	Ratio	Lower	Upper
88	100		
58	0.0	110.6	166.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





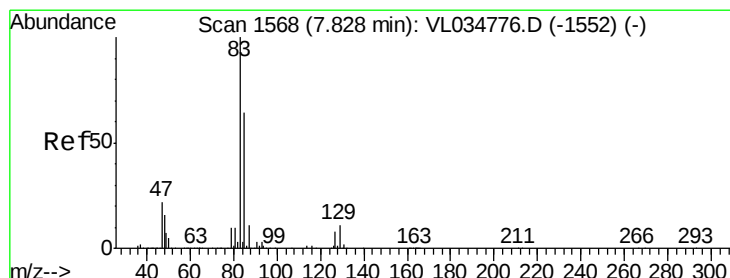
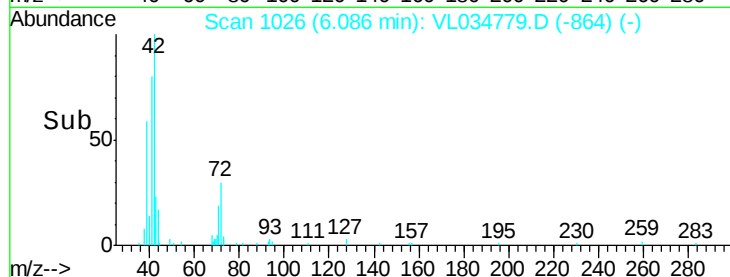
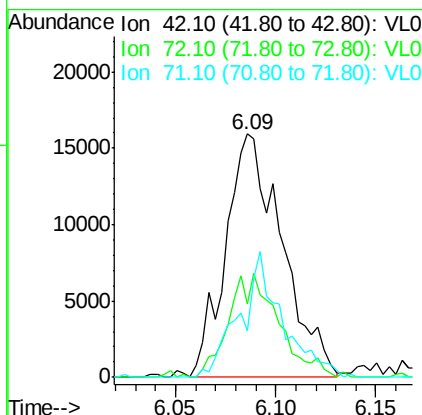
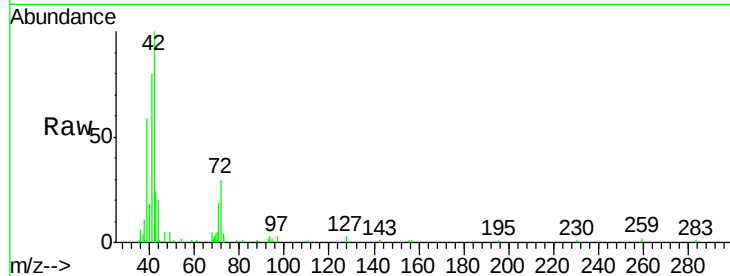
#41
Tetrahydrofuran
Concen: 0.424 ppbv m
RT: 6.09 min Scan# 1026
Delta R.T. 0.02 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.0	48.0#
71	0.0	31.3	46.9#

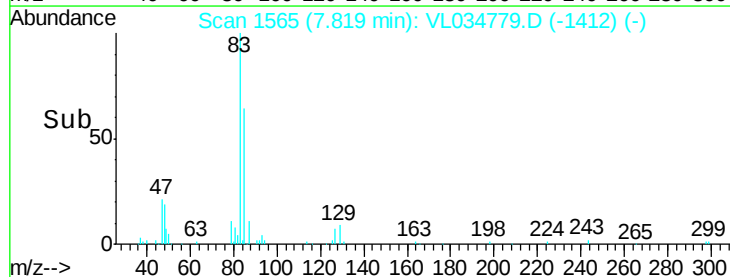
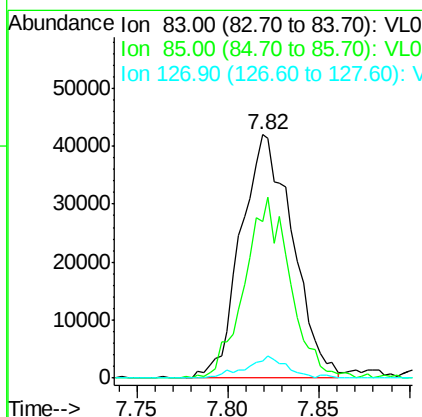
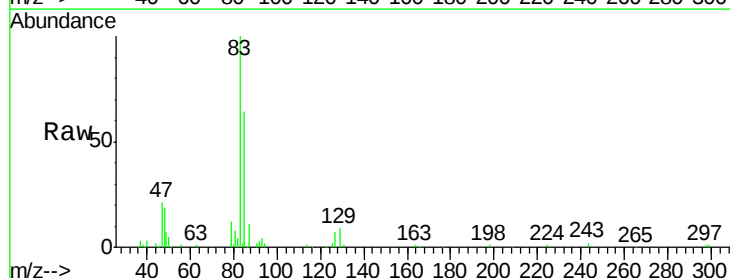
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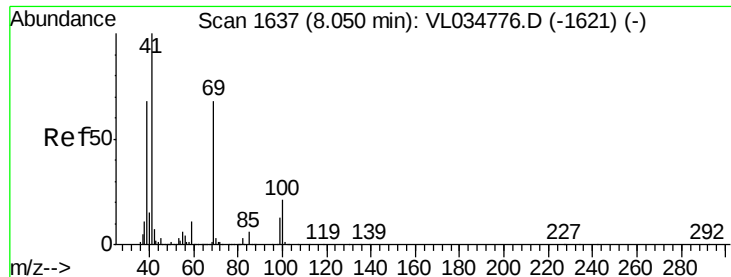
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#42
Bromodichloromethane
Concen: 0.517 ppbv m
RT: 7.82 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.8	76.2
127	7.1	6.5	9.7





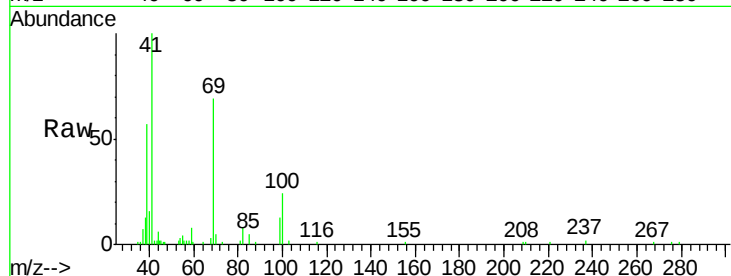
#43
Methvl Methacrylate
Concen: 0.427 ppbv
RT: 8.05 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

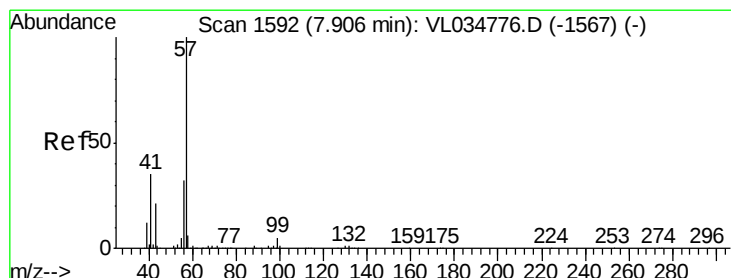
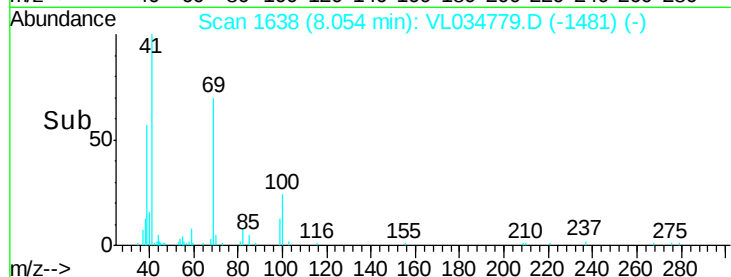
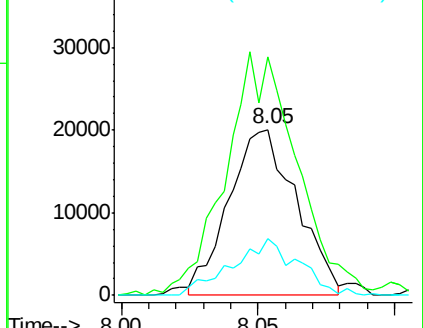
Tot Ion	Ratio	Lower	Upper
69	100		
41	158.4	121.6	182.4
100	33.5	23.8	35.8

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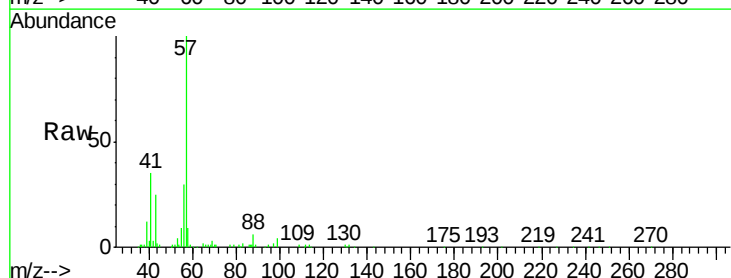


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

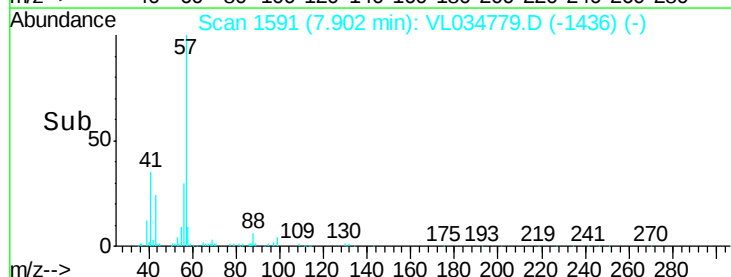
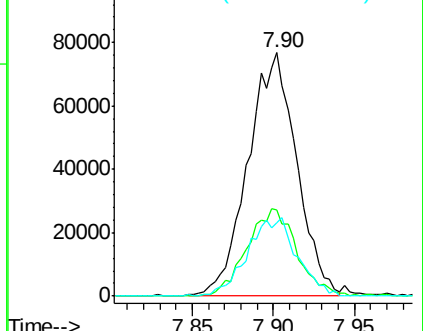


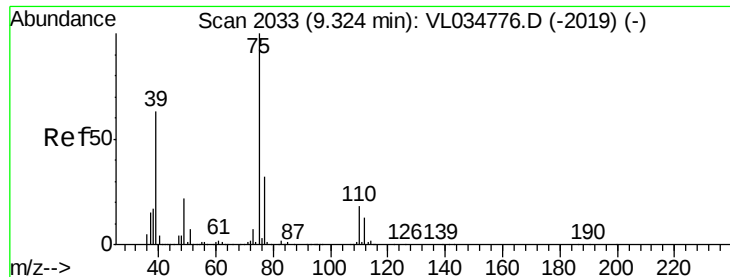
#44
2,2,4-Trimethylpentane
Concen: 0.474 ppbv m
RT: 7.90 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	37.1	27.4	41.0
56	32.6	25.0	37.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.353 ppbv m

RT: 9.32 min Scan# 2031

Delta R.T. -0.01 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Tot Ion: 75 Resp: 31126

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

Instrument :

MSVOA_L

ClientSampleId :

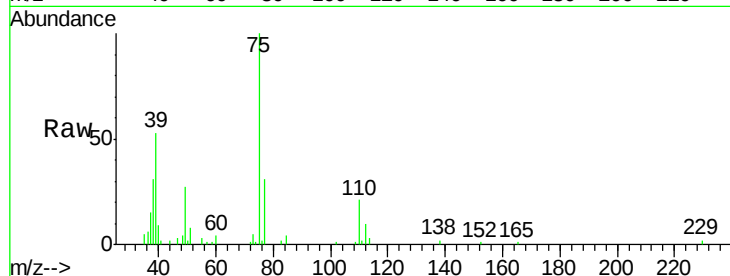
VSTDIC0.5

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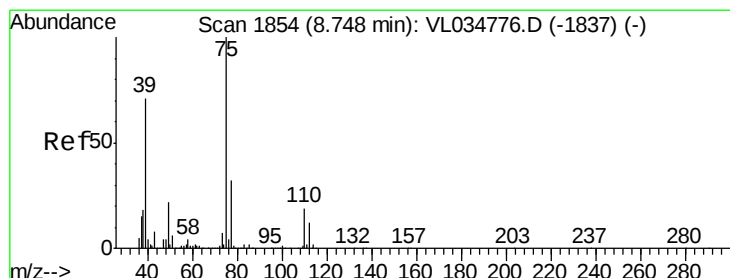
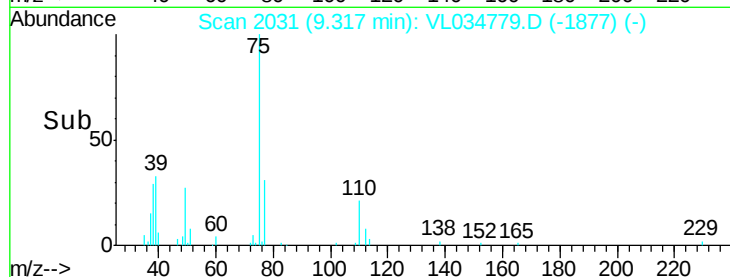
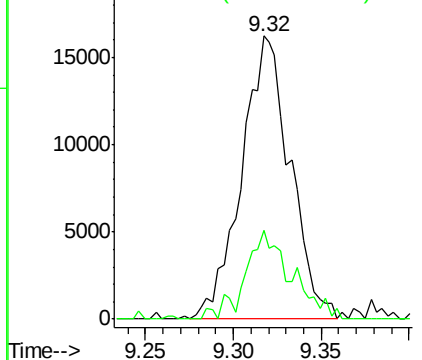
apatel

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.392 ppbv m

RT: 8.74 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

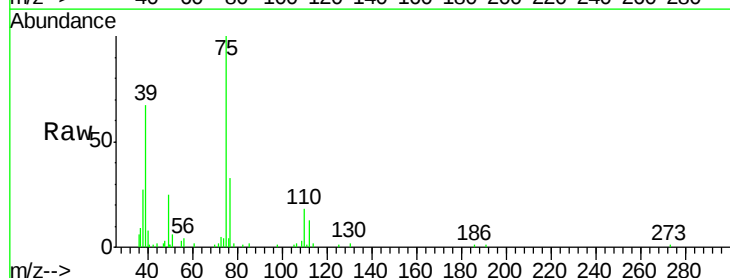
Tgt Ion: 75 Resp: 41484

Ion Ratio Lower Upper

75 100

39 67.0 56.9 85.3

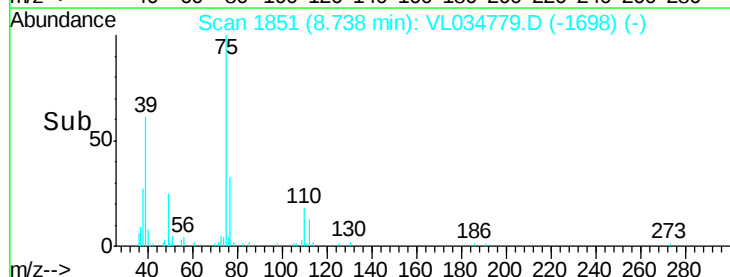
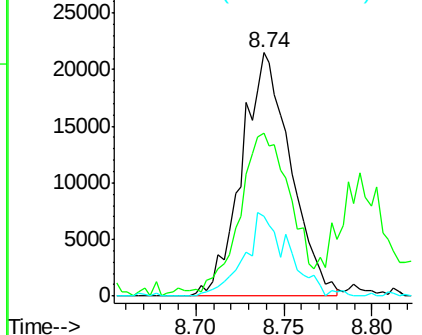
77 32.7 25.7 38.5

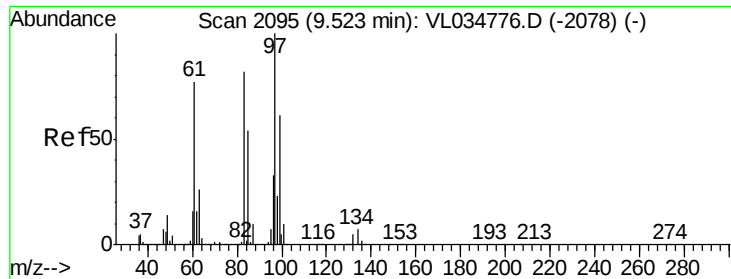


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





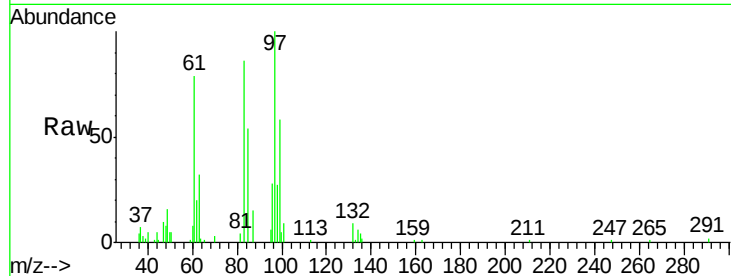
#47
 1,1,2-Trichloroethane
 Concen: 0.533 ppbv m
 RT: 9.52 min Scan# 2093
 Delta R.T. -0.01 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.5	65.2	97.8
85	54.0	43.6	65.4
99	57.7	48.9	73.3

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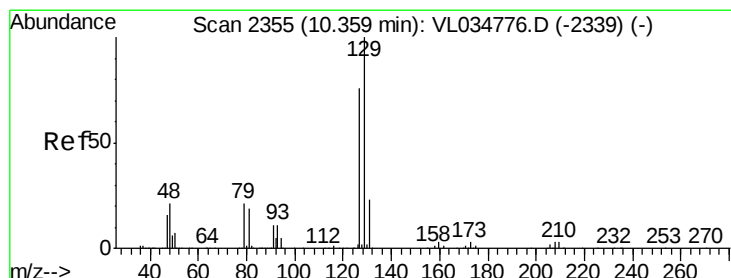
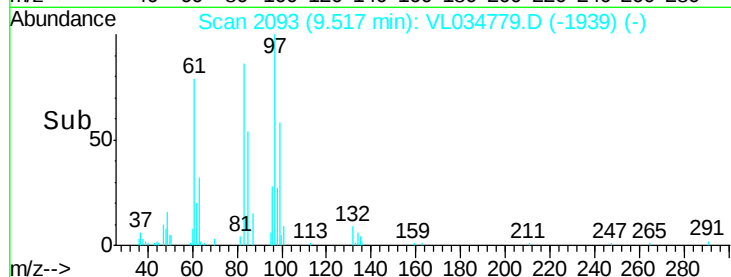
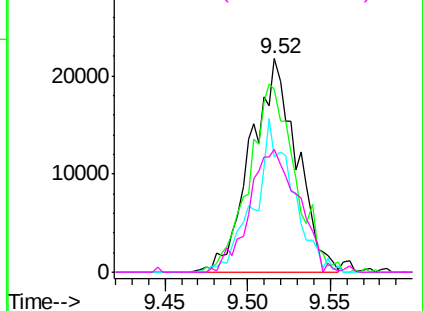


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

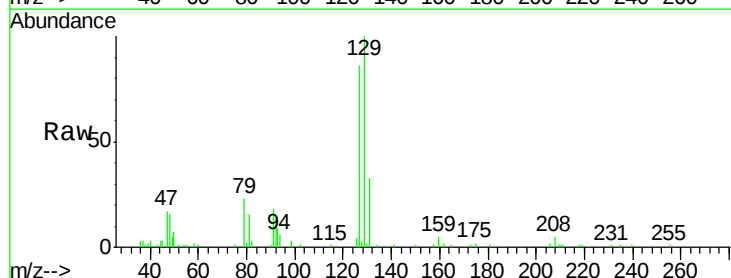
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



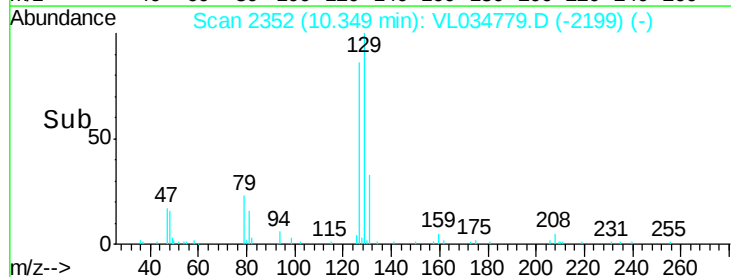
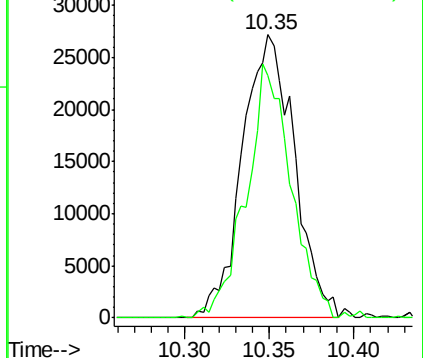
#48
 Dibromochloromethane
 Concen: 0.470 ppbv m
 RT: 10.35 min Scan# 2352
 Delta R.T. -0.01 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

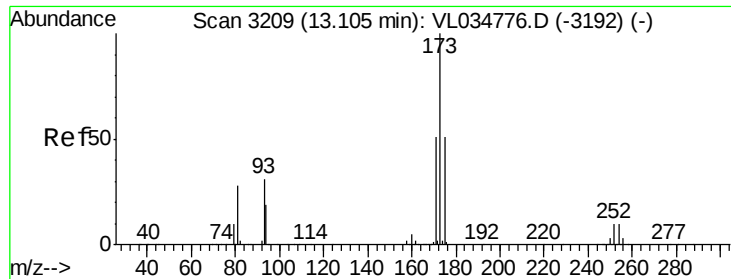
Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.0	117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.458 ppbv m

RT: 13.10 min Scan# 3208

Delta R.T. -0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

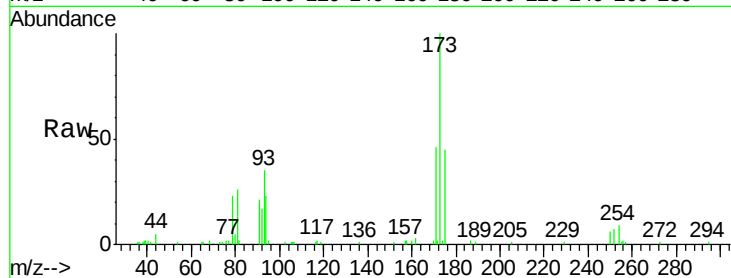
ClientSampleId :

VSTDIC0.5

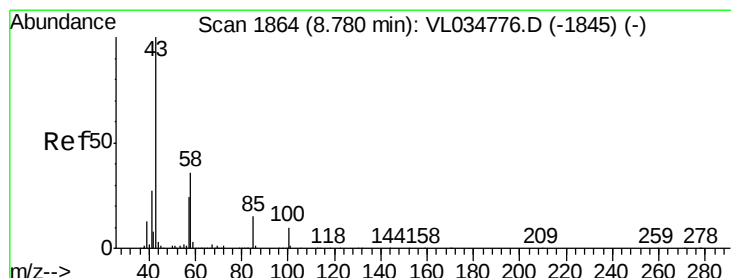
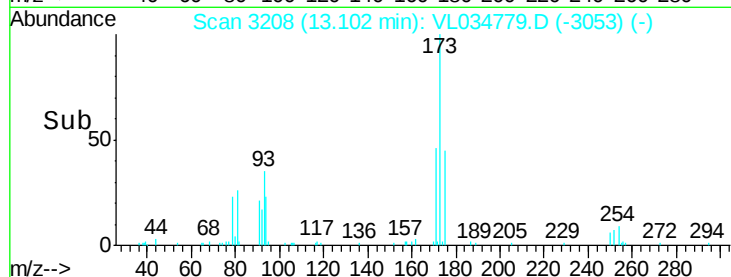
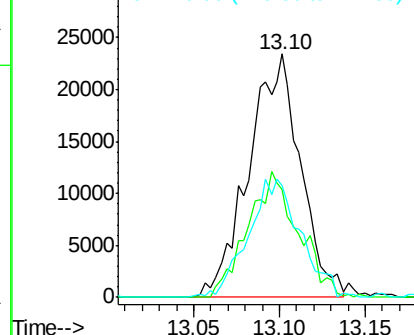
Tot Ion:	173	Resp:	49215
Ion Ratio	Lower	Upper	
173	100		
175	50.7	39.8	59.6
171	49.7	41.0	61.4

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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: 0.470 ppbv

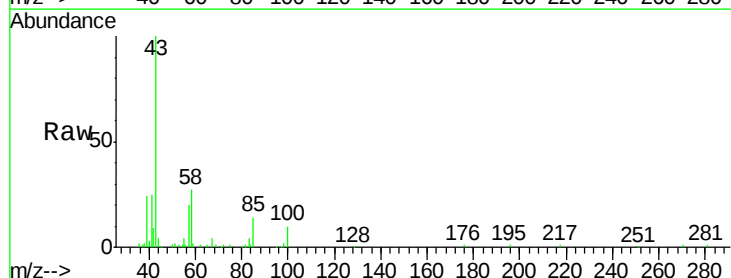
RT: 8.79 min Scan# 1868

Delta R.T. 0.01 min

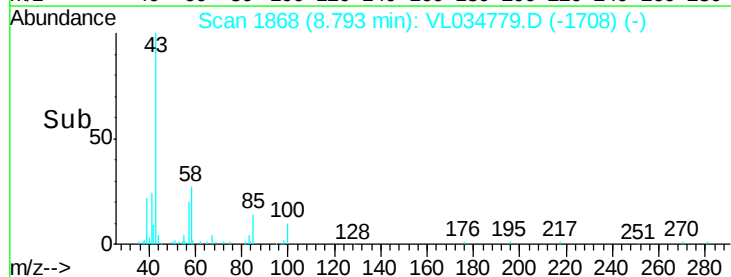
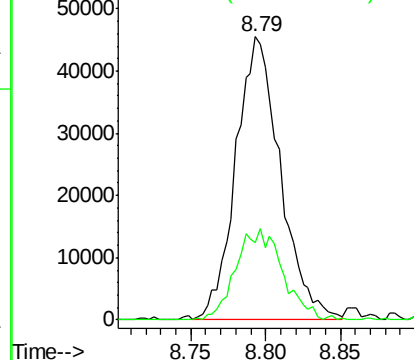
Lab File: VL034779.D

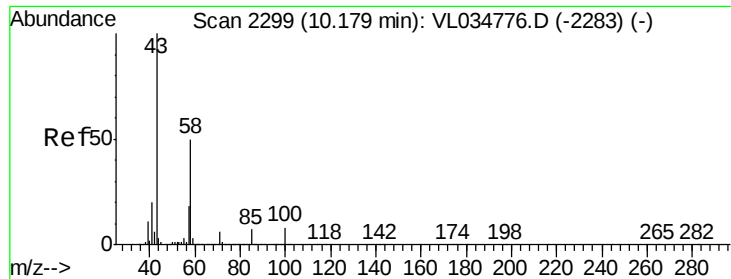
Acq: 4 Mar 2020 3:19

Tgt Ion:	43	Resp:	94260
Ion Ratio	Lower	Upper	
43	100		
58	33.7	28.7	43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





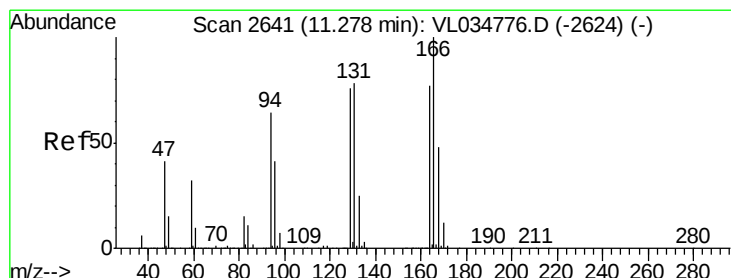
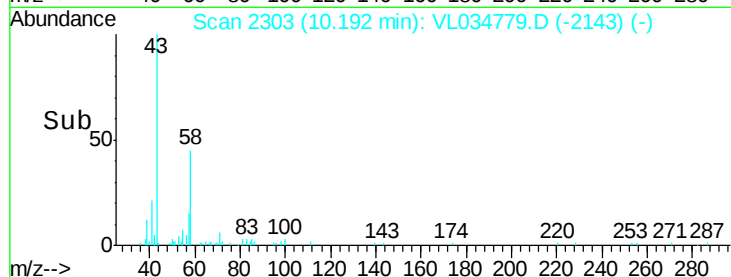
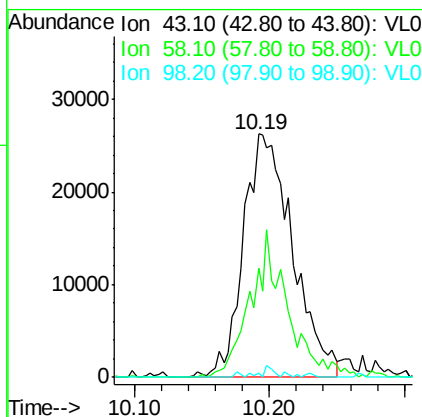
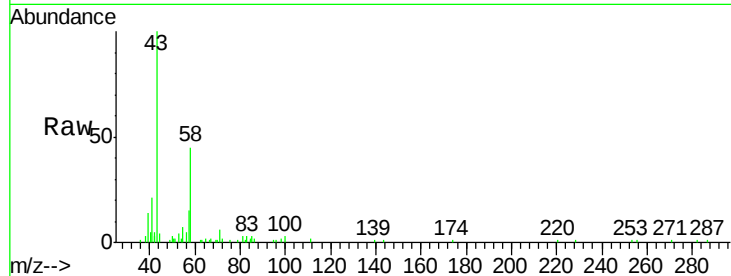
#51
2-Hexanone
Concen: 0.419 ppbv m
RT: 10.19 min Scan# 2303
Delta R.T. 0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.6	58.0#
98	0.0	0.2	0.4#

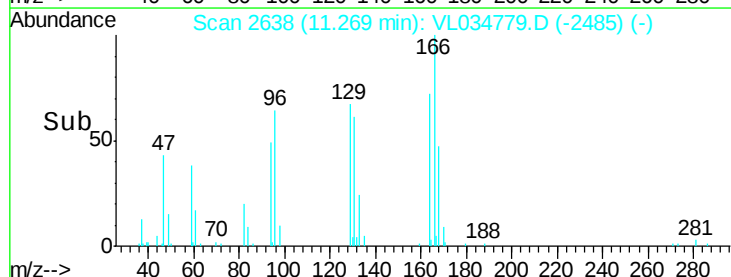
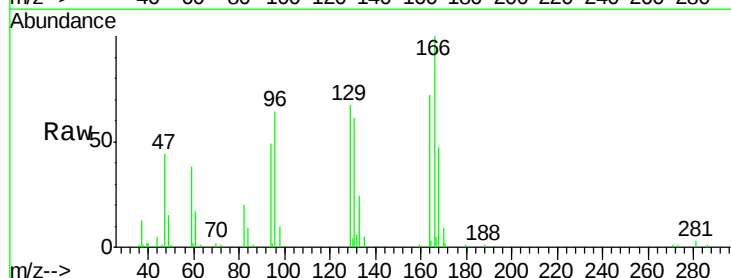
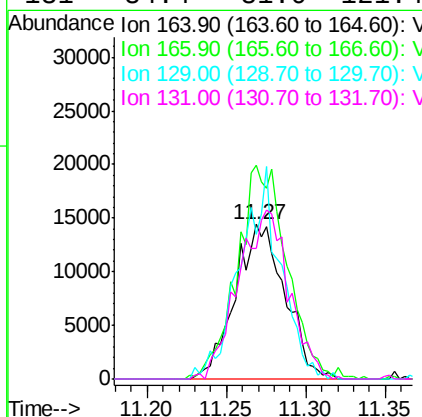
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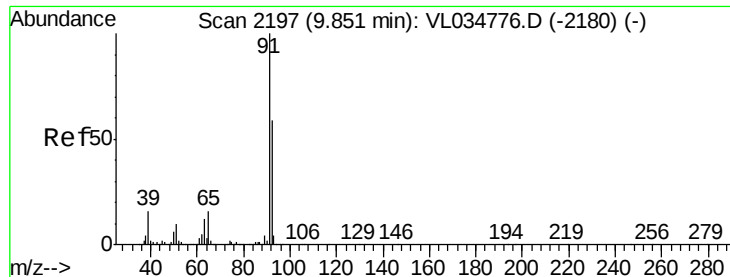
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#52
Tetrachloroethene
Concen: 0.442 ppbv m
RT: 11.27 min Scan# 2638
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	138.4	103.3	154.9
129	93.4	79.0	118.4
131	84.4	81.0	121.4





#53

Toluene

Concen: 0.392 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 80570

Ion Ratio Lower Upper

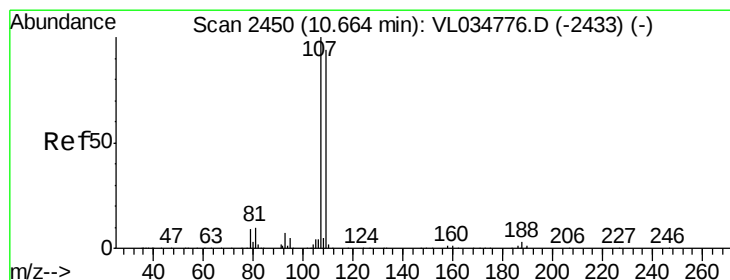
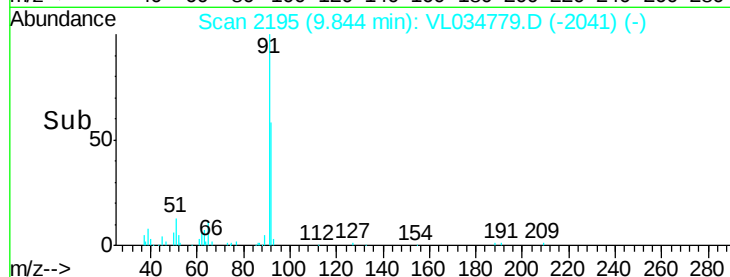
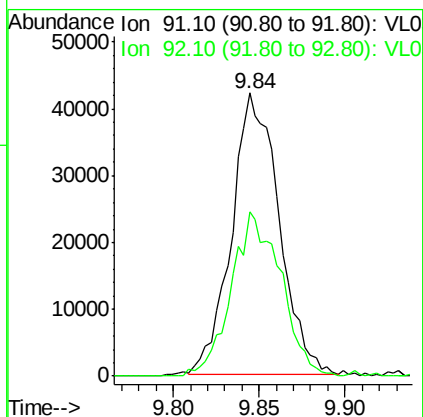
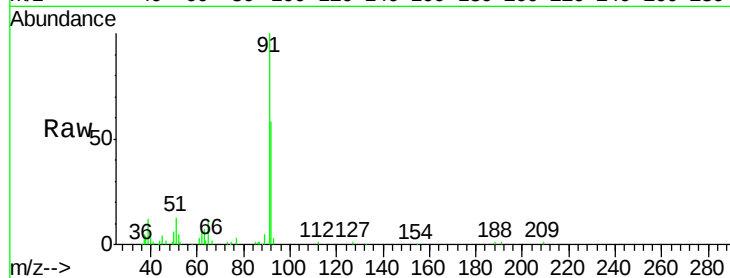
91 100

92 61.6 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 0.478 ppbv m

RT: 10.66 min Scan# 2450

Delta R.T. 0.00 min

Lab File: VL034779.D

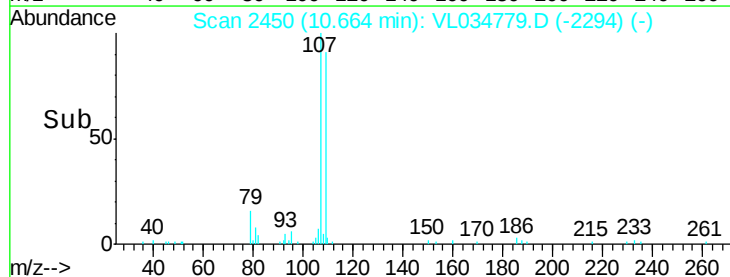
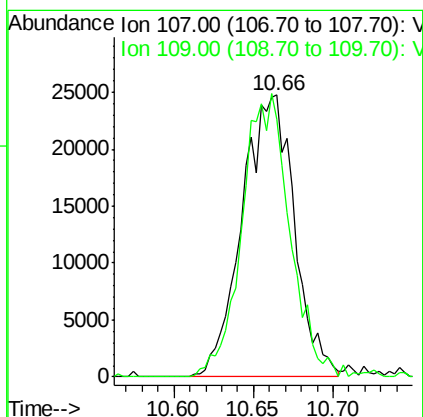
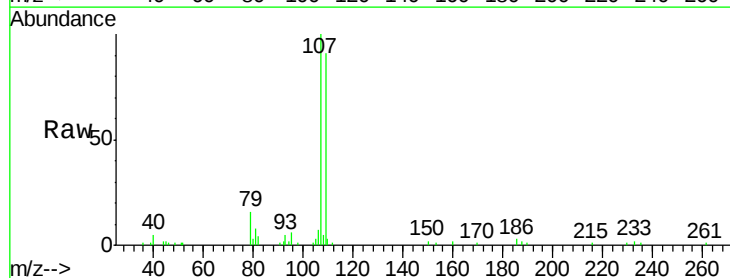
Acq: 4 Mar 2020 3:19

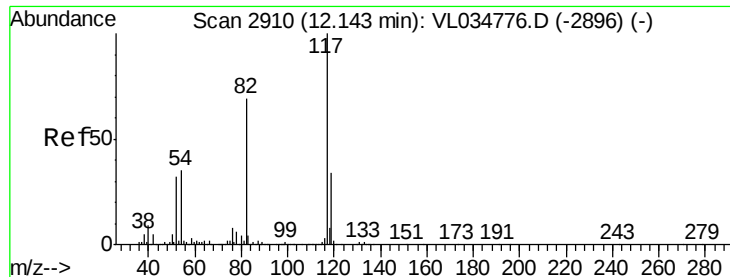
Tgt Ion: 107 Resp: 56425

Ion Ratio Lower Upper

107 100

109 91.4 75.0 112.6





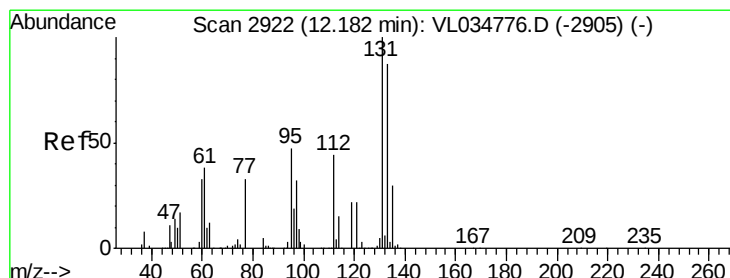
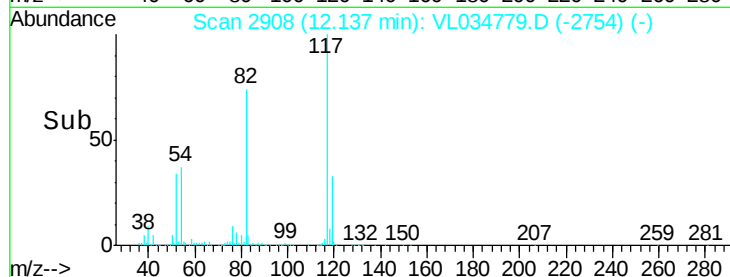
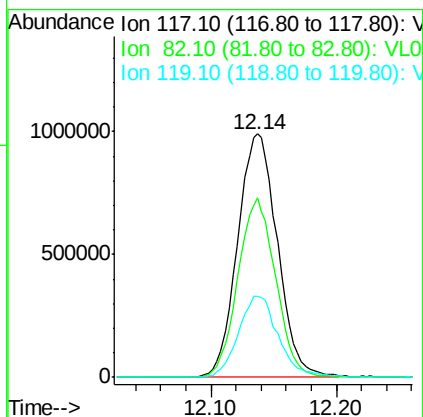
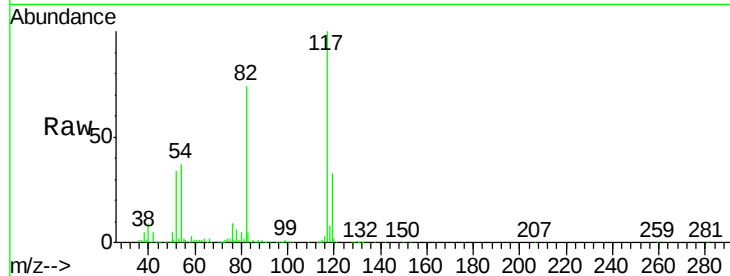
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.1	53.9	80.9
119	33.9	25.0	37.4

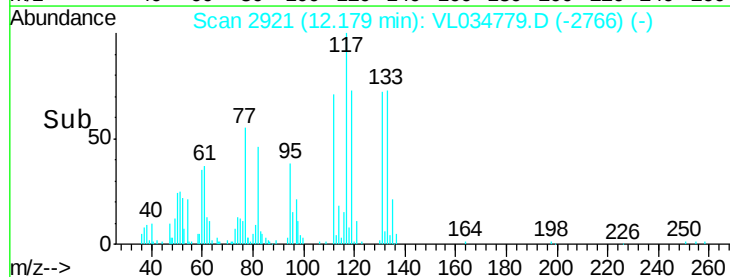
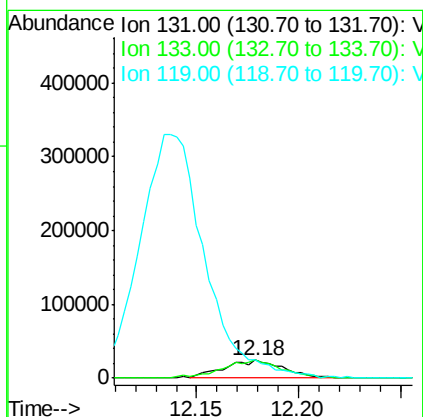
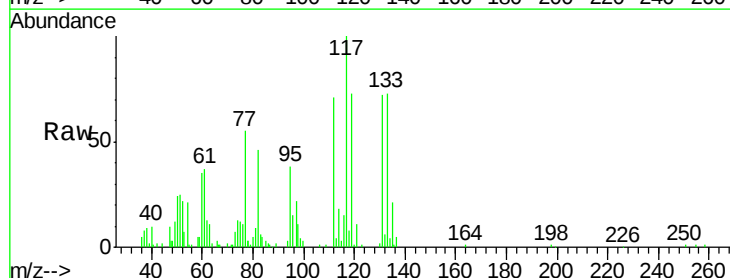
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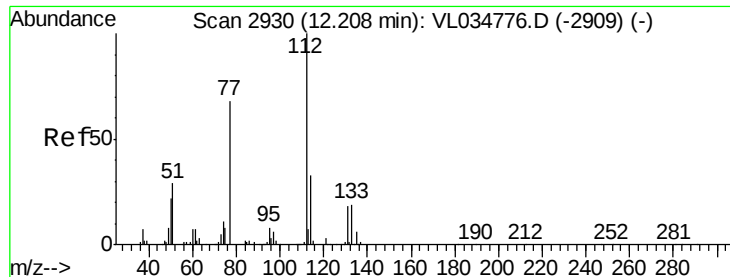
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.529 ppbv m
RT: 12.18 min Scan# 2921
Delta R.T. -0.00 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	75.4	113.0#
119	0.0	110.5	165.7#





#57

Chlorobenzene

Concen: 0.575 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. -0.01 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

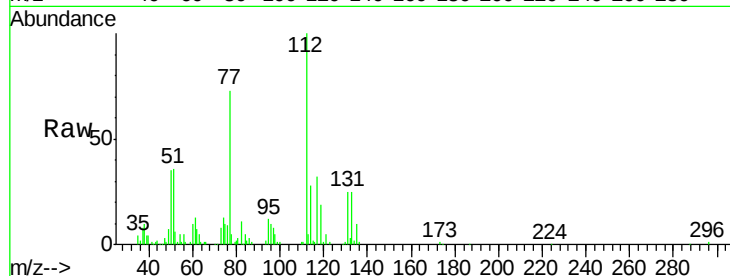
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	92703
Ion Ratio	Lower	Upper	
112	100		
77	72.7	55.6	83.4
114	28.1	29.4	36.0#

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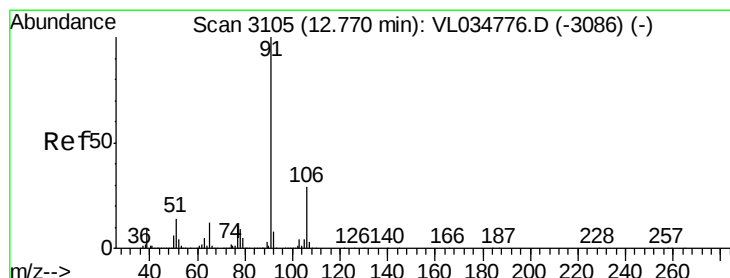
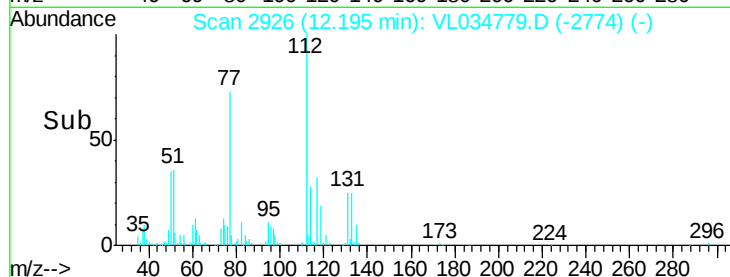
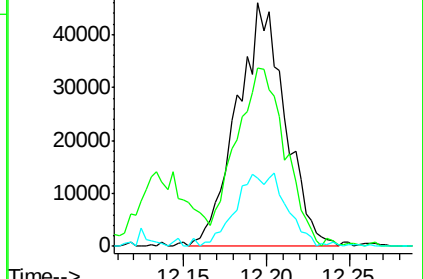
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.452 ppbv

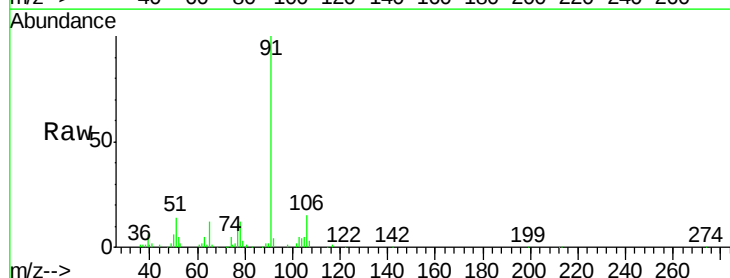
RT: 12.76 min Scan# 3102

Delta R.T. -0.01 min

Lab File: VL034779.D

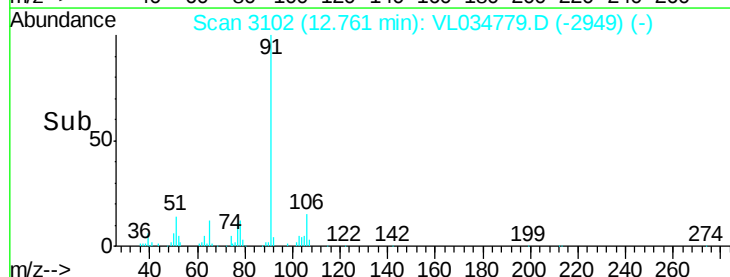
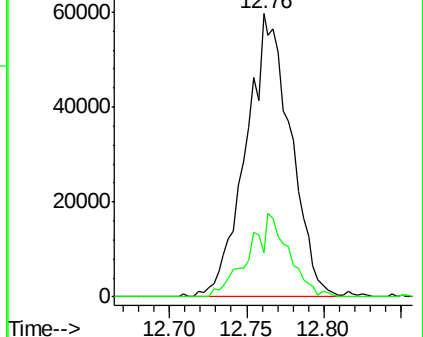
Acq: 4 Mar 2020 3:19

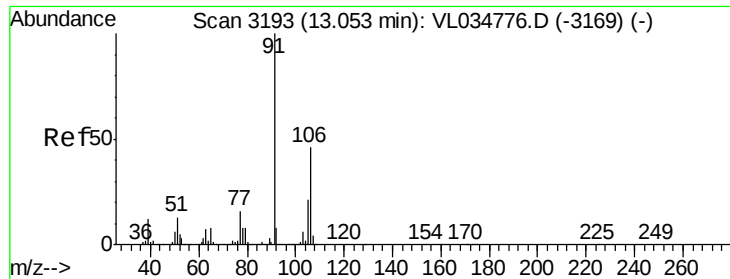
Tgt Ion:	91	Resp:	119815
Ion Ratio	Lower	Upper	
91	100		
106	15.3	22.8	34.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





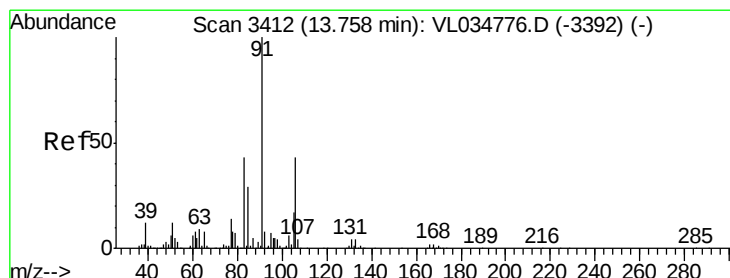
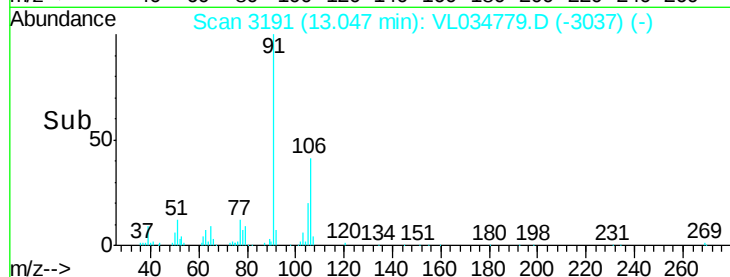
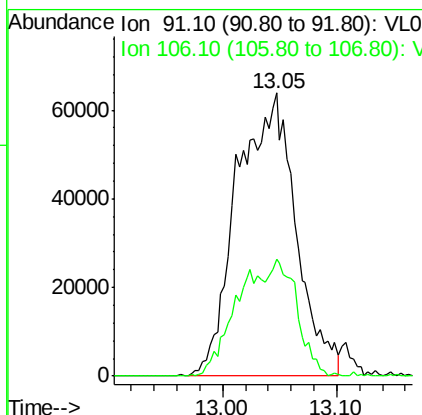
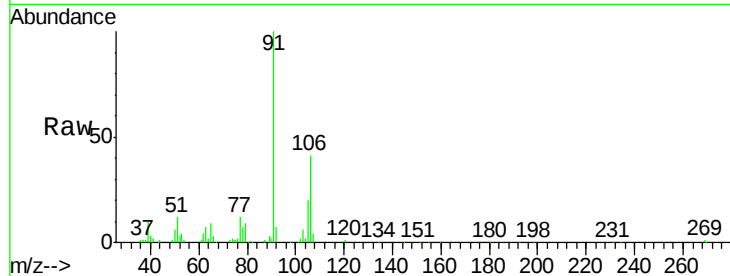
#59
m/p-Xylene
Concen: 0.991 ppbv m
RT: 13.05 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 227904
Ion Ratio Lower Upper
91 100
106 41.1 35.8 53.8

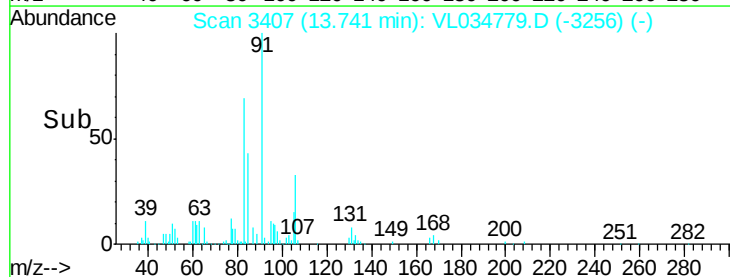
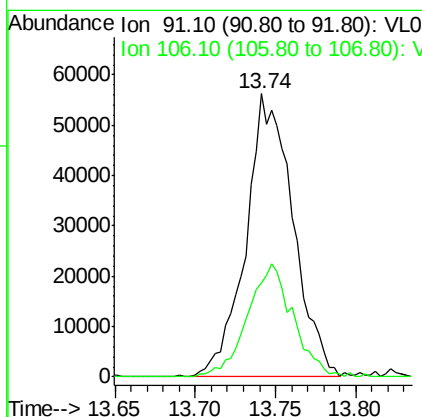
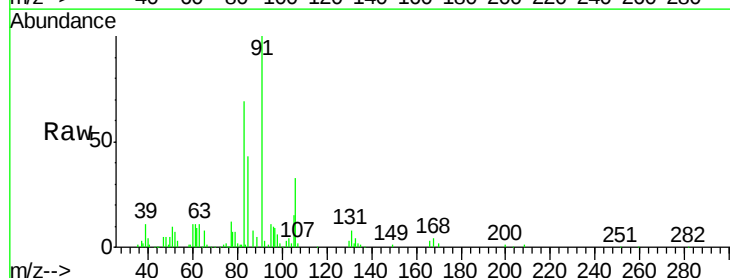
Manual Integrations
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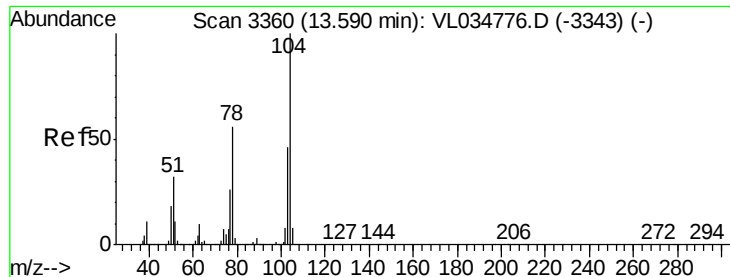
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#60
o-Xylene
Concen: 0.500 ppbv m
RT: 13.74 min Scan# 3407
Delta R.T. -0.02 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Tgt Ion: 91 Resp: 114497
Ion Ratio Lower Upper
91 100
106 38.7 21.7 65.1





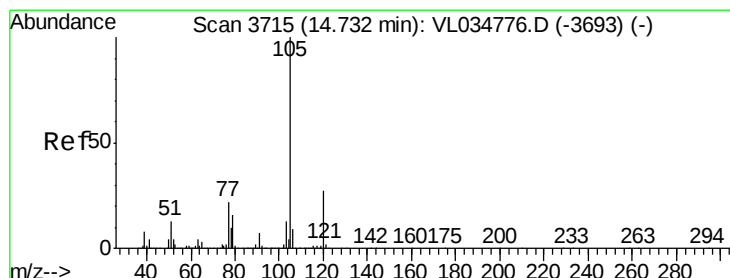
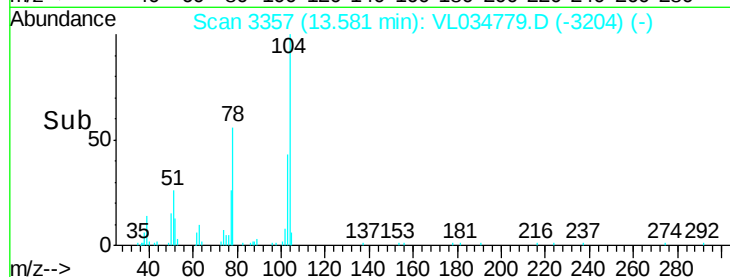
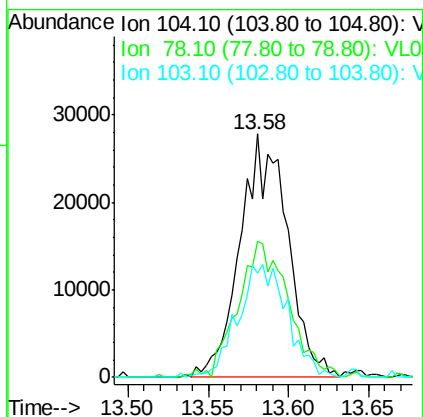
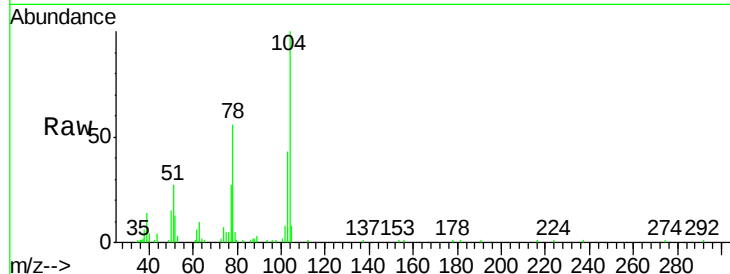
#61
Stvrene
Concen: 0.390 ppbv m
RT: 13.58 min Scan# 3357
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	44.7	67.1#
103	49.5	38.2	57.2

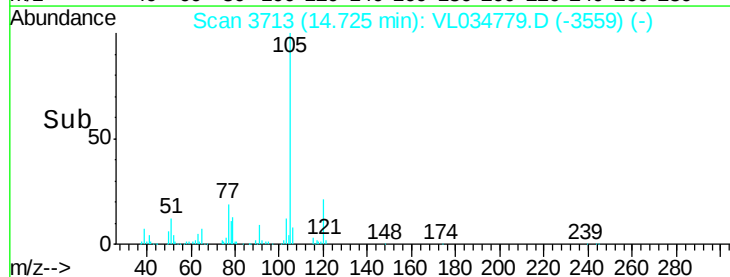
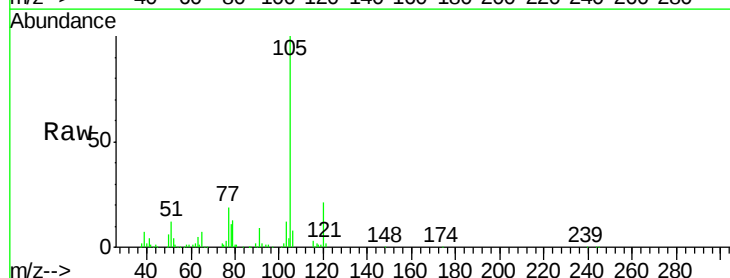
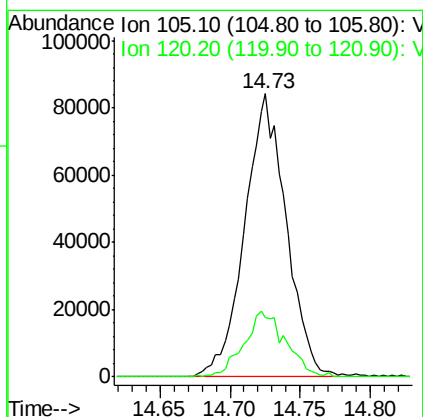
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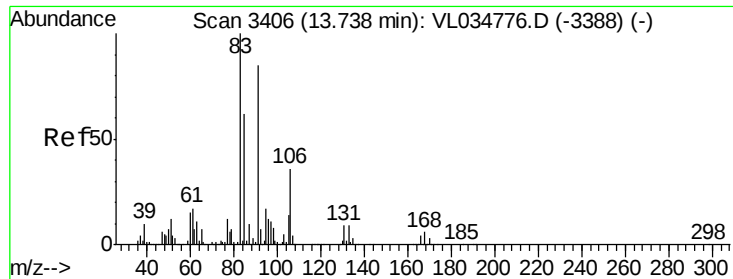
apatel
3/4/2020 4:45:06 PM



#62
Isopropylbenzene
Concen: 0.518 ppbv
RT: 14.73 min Scan# 3713
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.3	20.5	30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.544 ppbv m

RT: 13.74 min Scan# 3406

Delta R.T. -0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

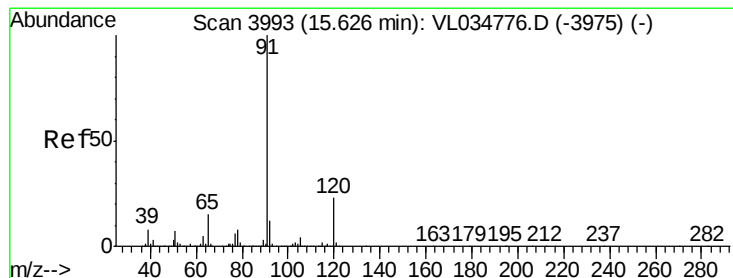
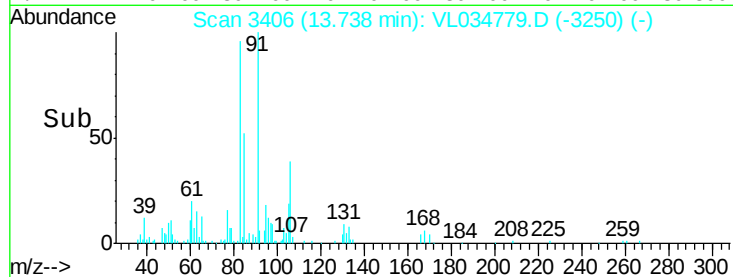
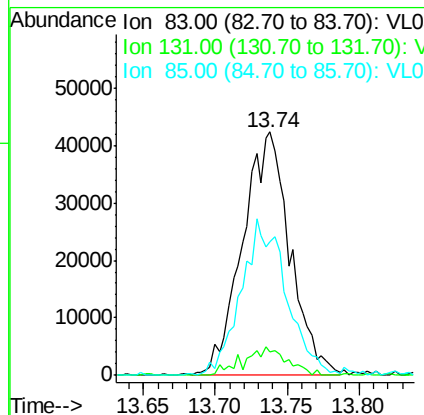
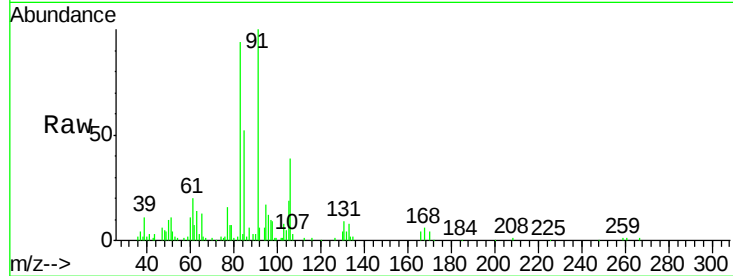
ClientSampleId :

VSTDIC0.5

Tot Ion	83	Resp	97133
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.7	14.0#
85	62.6	32.9	98.7

Manual Integrations
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#64

n-propylbenzene

Concen: 0.471 ppbv m

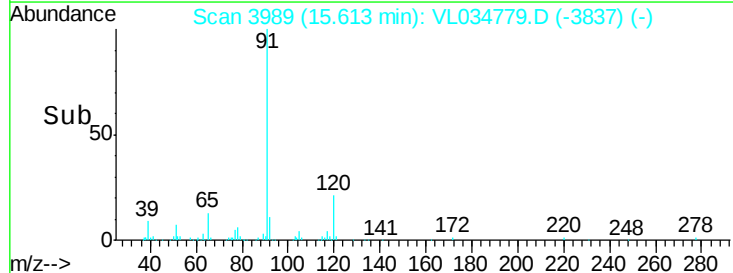
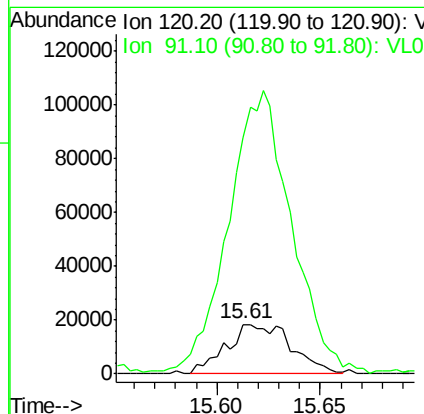
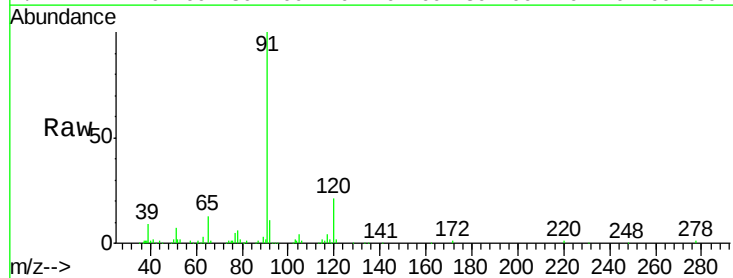
RT: 15.61 min Scan# 3989

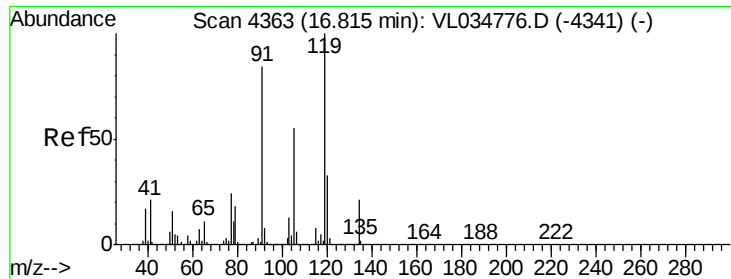
Delta R.T. -0.01 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Tgt Ion	120	Resp	40595
Ion Ratio	Lower	Upper	
120	100		
91	0.0	379.4	569.2#





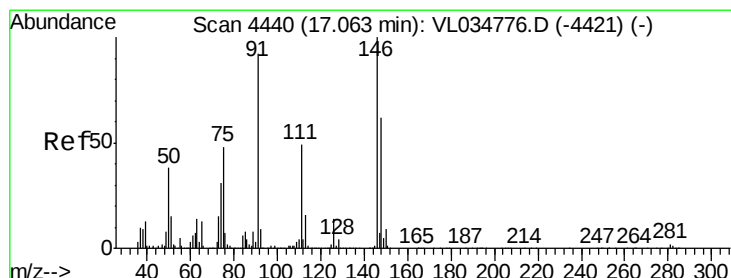
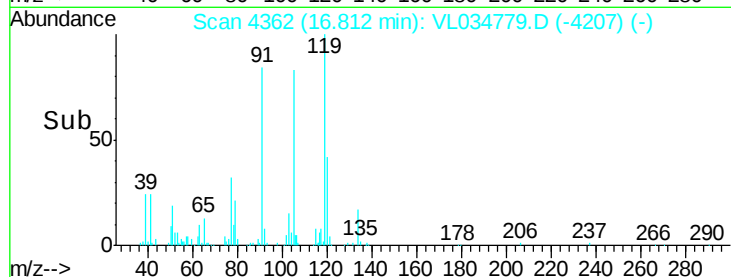
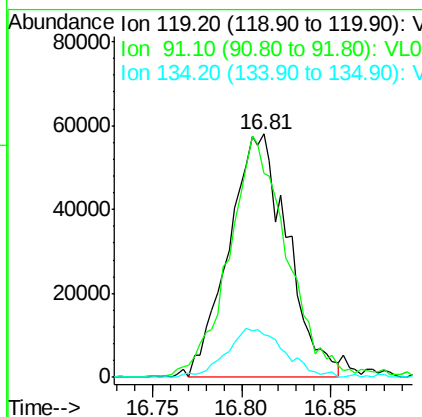
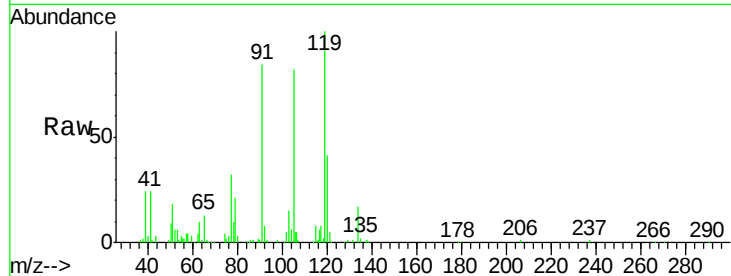
#65
tert-Butylbenzene
Concen: 0.461 ppbv
RT: 16.81 min Scan# 4362
Delta R.T. -0.00 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
91	99.4	69.8	104.6
134	19.7	15.9	23.9

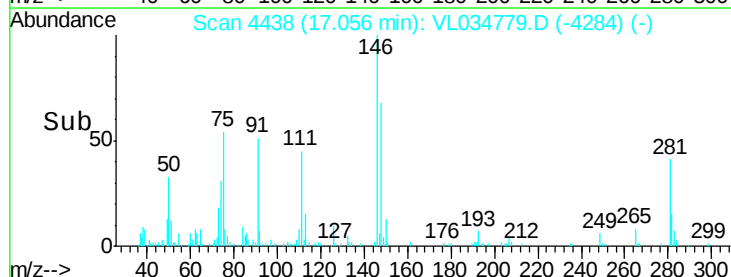
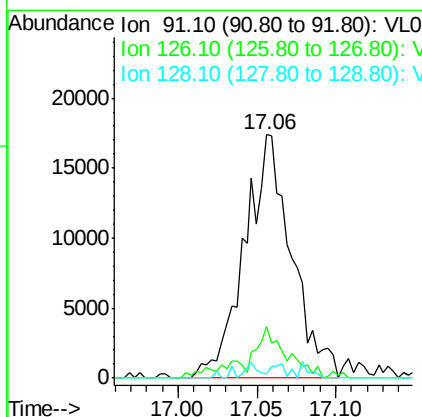
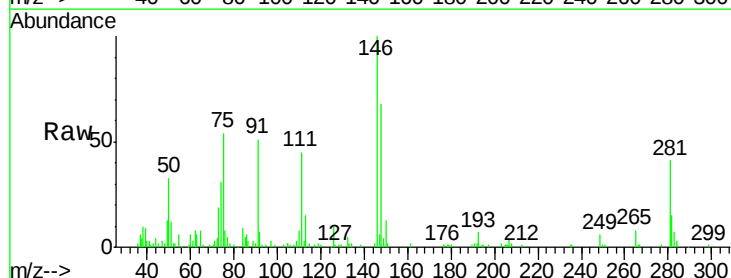
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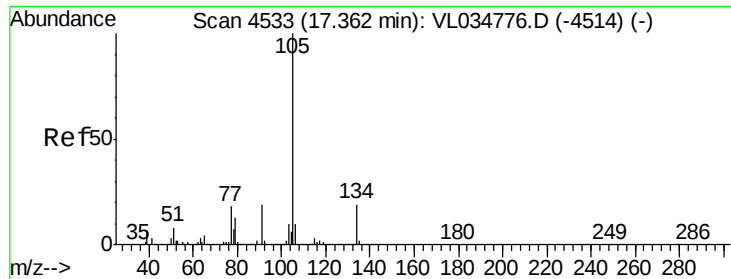
apatel
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#66
Benzyl Chloride
Concen: 0.344 ppbv m
RT: 17.06 min Scan# 4438
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.5	12.6	18.8
128	5.4	4.3	6.5





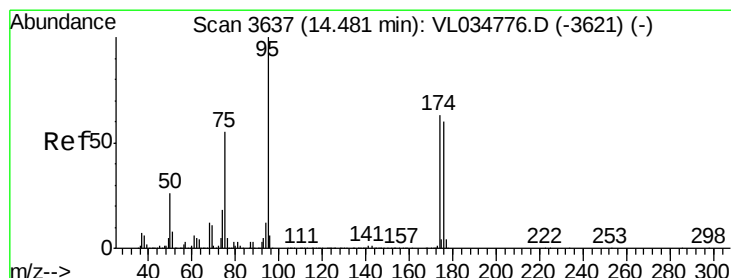
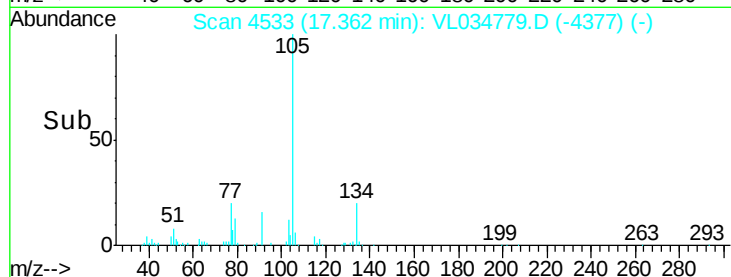
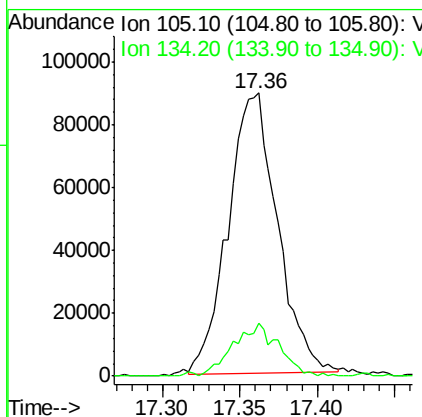
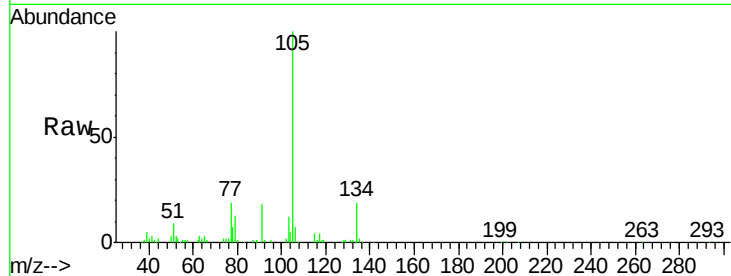
#67
 sec-Butylbenzene
 Concen: 0.474 ppbv
 RT: 17.36 min Scan# 4533
 Delta R.T. -0.00 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.7	22.1

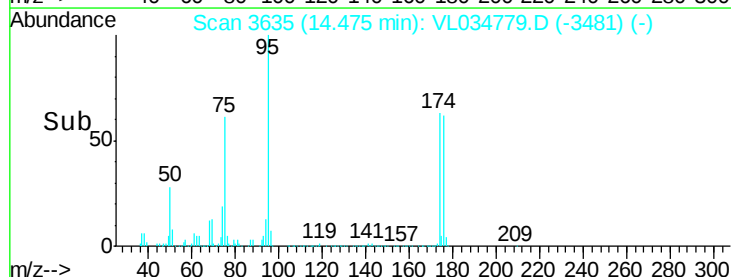
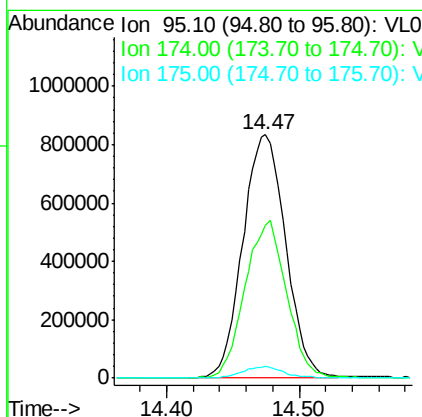
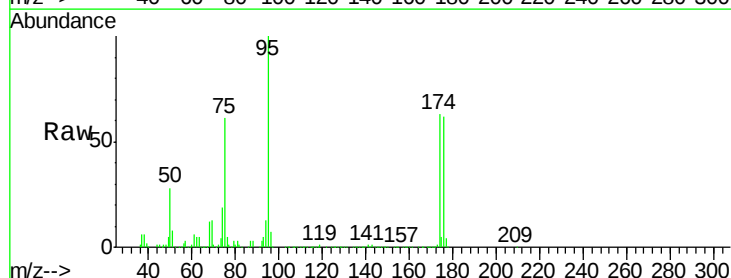
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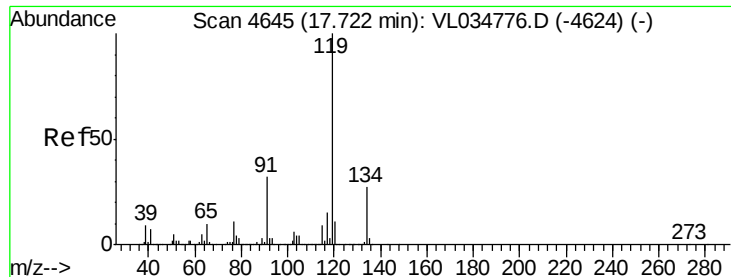
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.493 ppbv
 RT: 14.47 min Scan# 3635
 Delta R.T. -0.01 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.0	50.6	76.0
175	4.6	3.8	5.6





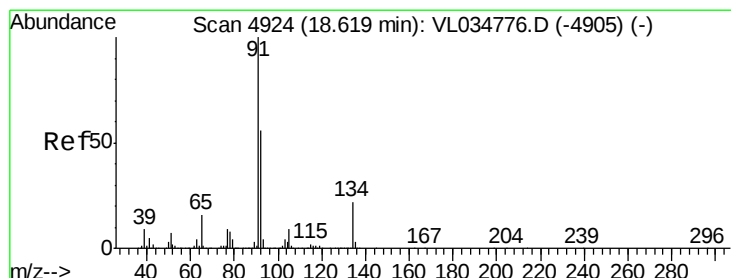
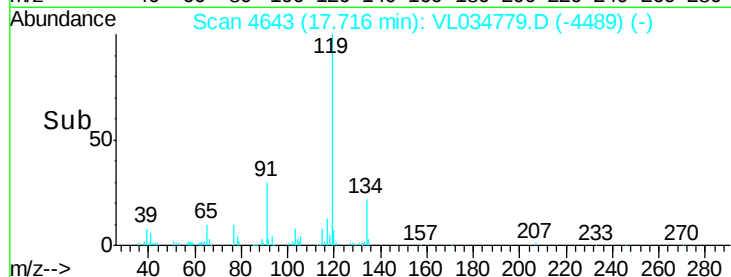
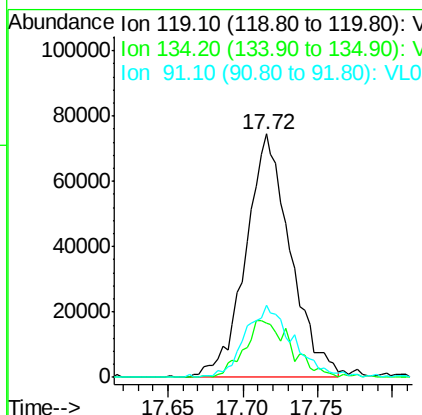
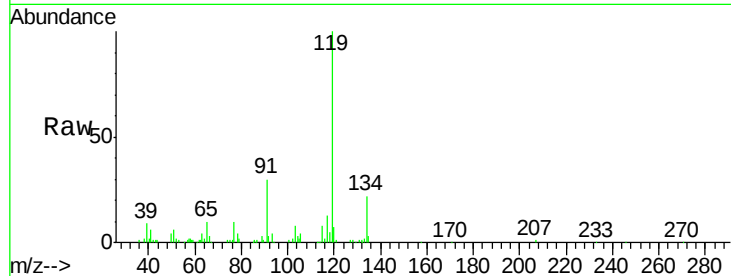
#69
 p-Isopropyltoluene
 Concen: 0.449 ppbv
 RT: 17.72 min Scan# 4643
 Delta R.T. -0.01 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.6	30.8
91	31.8	25.3	37.9

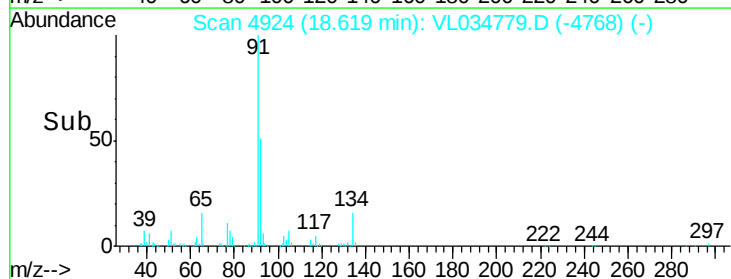
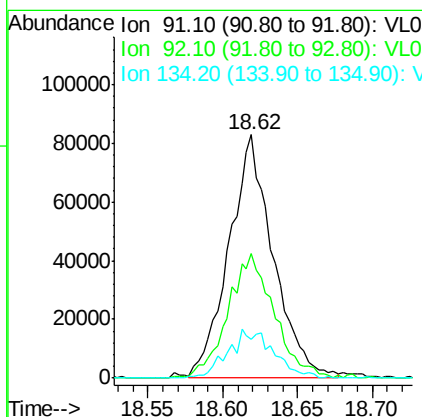
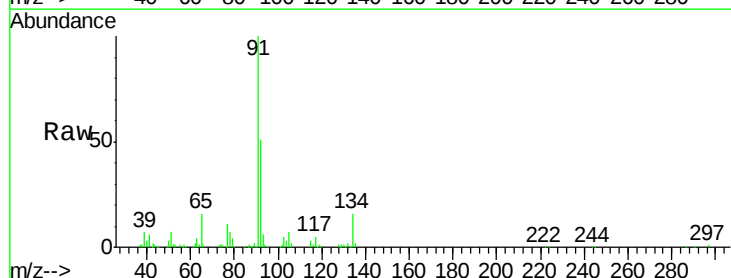
Manual Integrations
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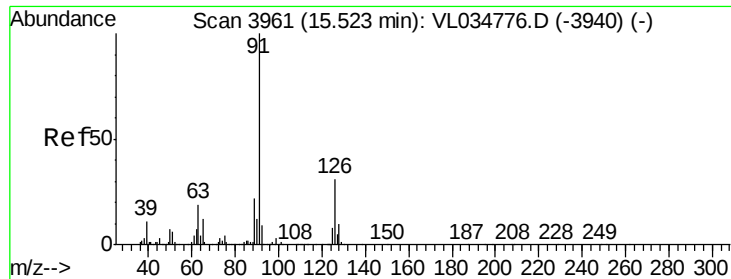
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#70
 n-Butylbenzene
 Concen: 0.456 ppbv
 RT: 18.62 min Scan# 4924
 Delta R.T. -0.00 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	44.0	66.0
134	20.6	17.7	26.5





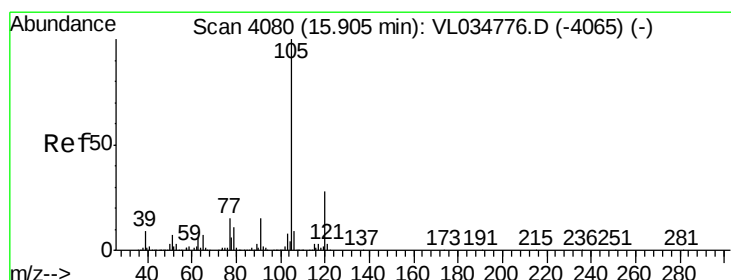
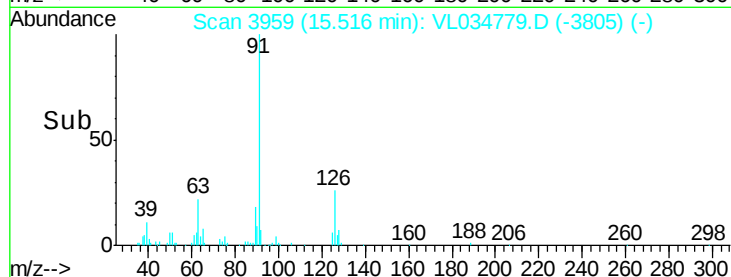
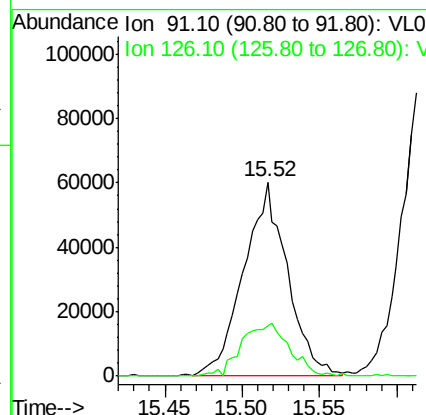
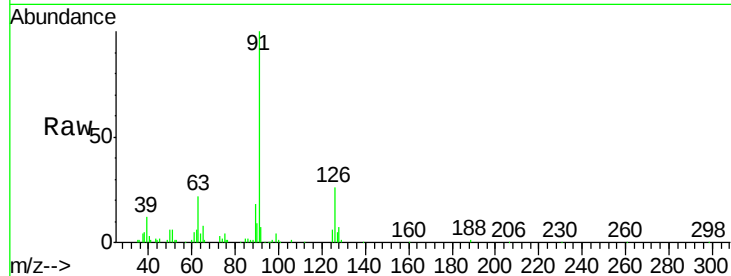
#71
2-Chlorotoluene
Concen: 0.448 ppbv
RT: 15.52 min Scan# 3959
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.7	11.7	46.7

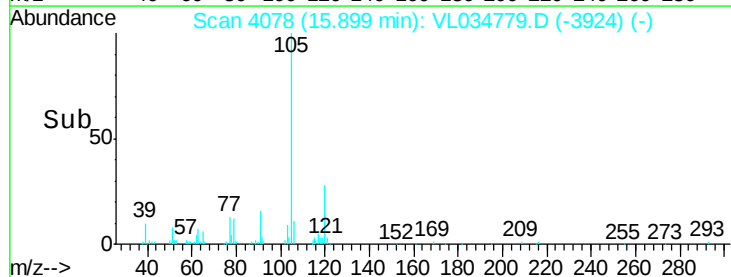
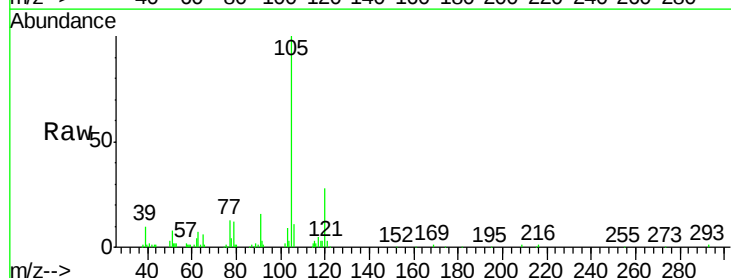
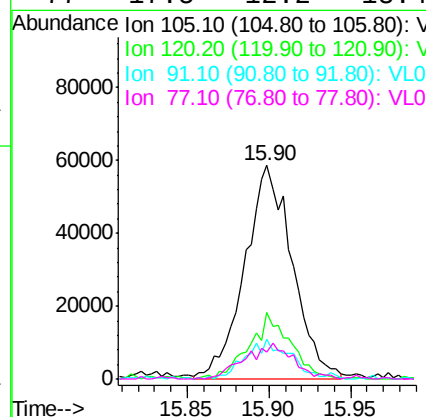
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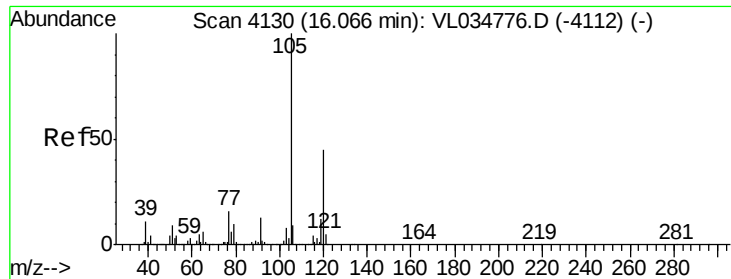
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#72
4-Ethyltoluene
Concen: 0.464 ppbv m
RT: 15.90 min Scan# 4078
Delta R.T. -0.01 min
Lab File: VL034779.D
Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	23.0	34.6
91	17.6	11.1	16.7
77	17.5	12.2	18.4





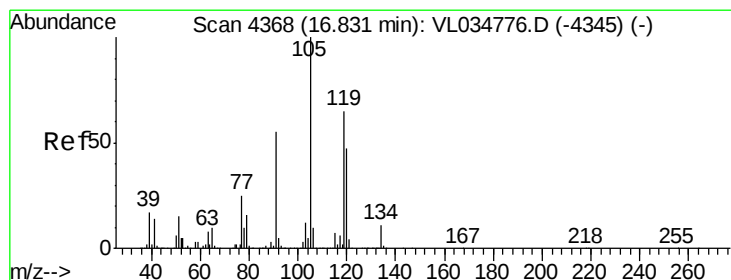
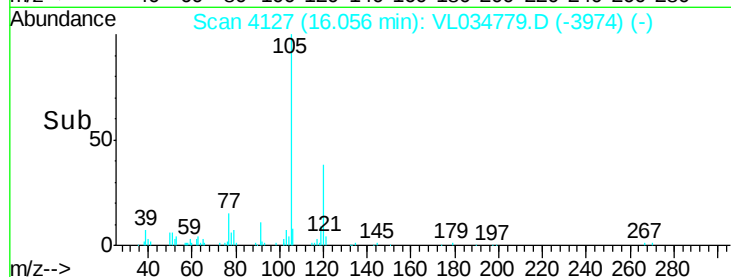
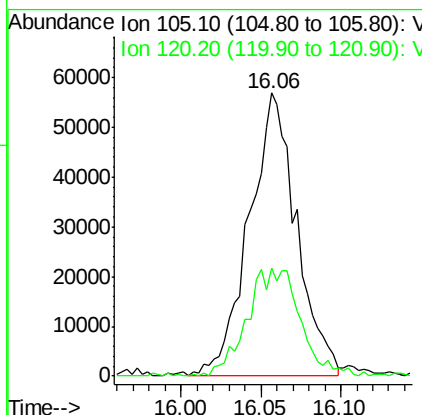
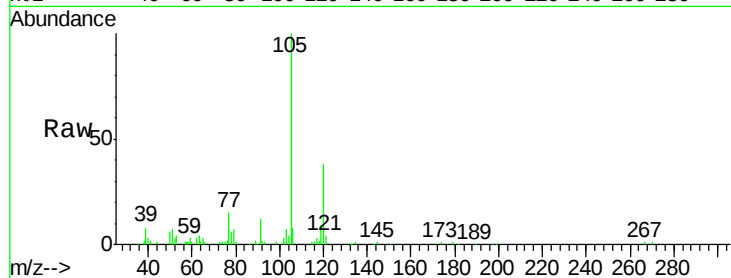
#73
 1,3,5-Trimethylbenzene
 Concen: 0.473 ppbv
 RT: 16.06 min Scan# 4127
 Delta R.T. -0.01 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	38.2	35.6	53.4

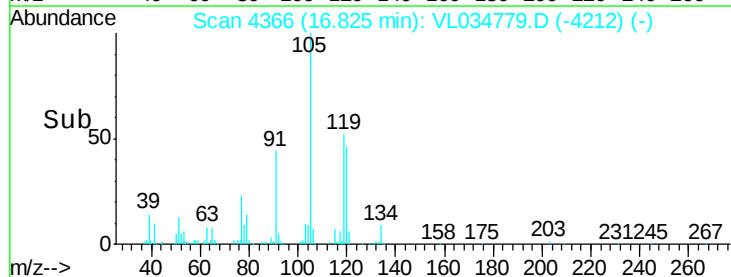
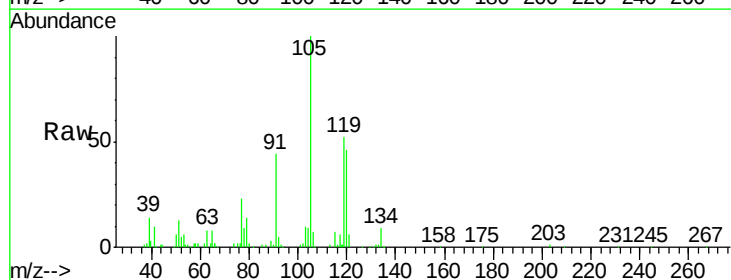
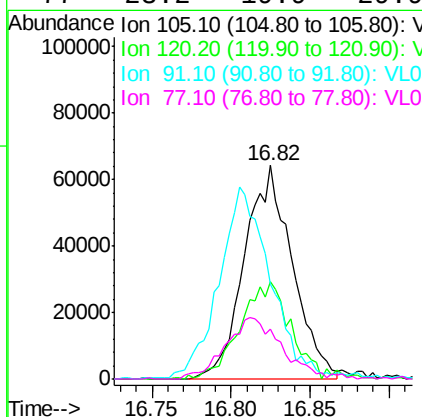
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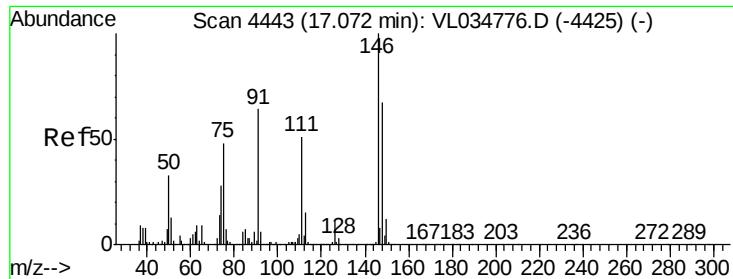
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.491 ppbv m
 RT: 16.82 min Scan# 4366
 Delta R.T. -0.01 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	37.8	56.6
91	44.4	43.8	65.8
77	23.2	19.9	29.9





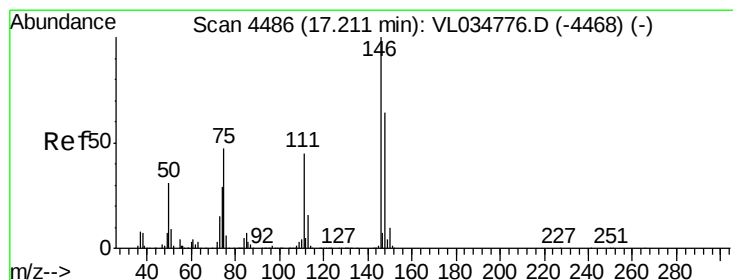
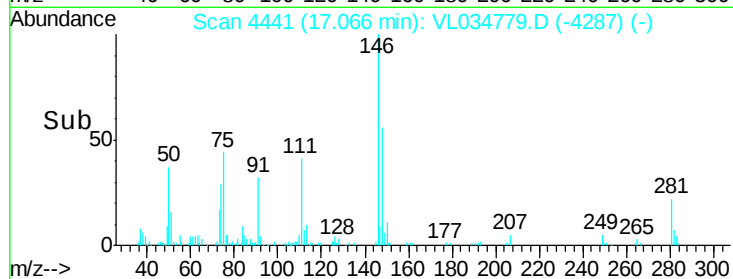
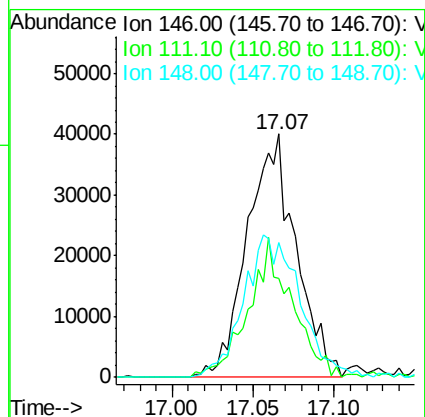
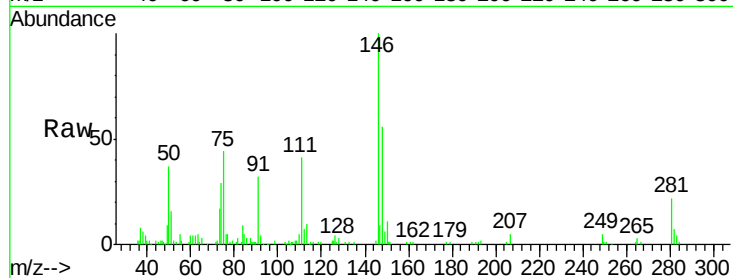
#75
 1,3-Dichlorobenzene
 Concen: 0.533 ppbv m
 RT: 17.07 min Scan# 4441
 Delta R.T. -0.01 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.7	74.1#
148	0.0	31.8	95.4#

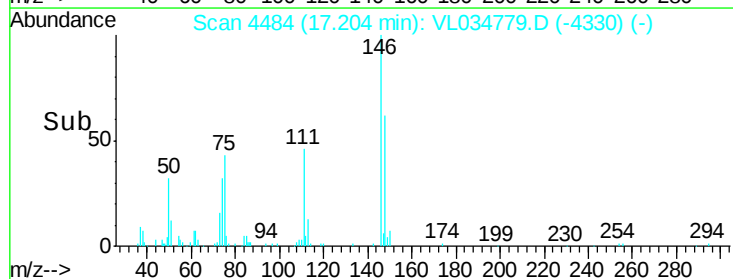
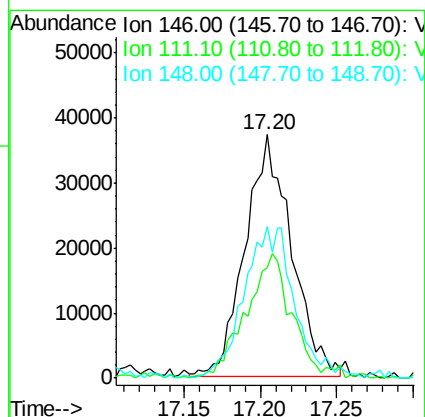
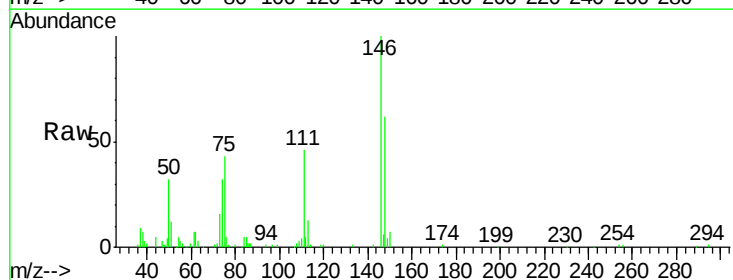
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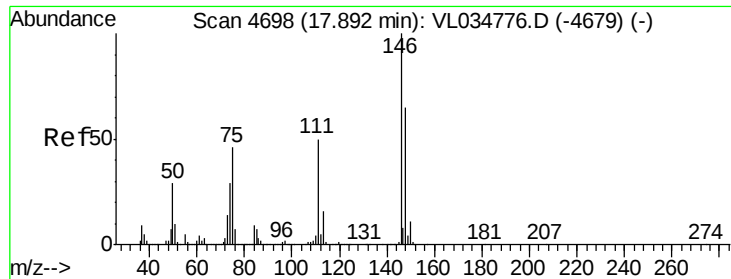
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#76
 1,4-Dichlorobenzene
 Concen: 0.504 ppbv m
 RT: 17.20 min Scan# 4484
 Delta R.T. -0.01 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.0	23.5	70.5
148	69.0	32.2	96.6





#77

1,2-Dichlorobenzene

Concen: 0.524 ppbv m

RT: 17.88 min Scan# 4694

Delta R.T. -0.01 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

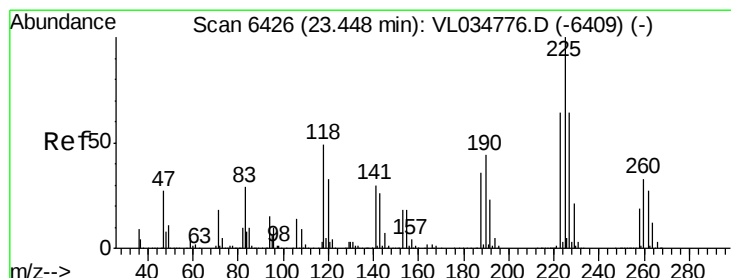
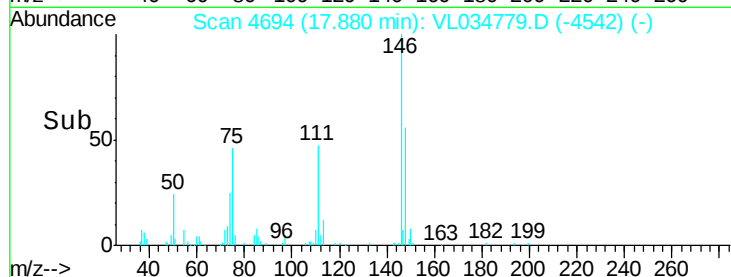
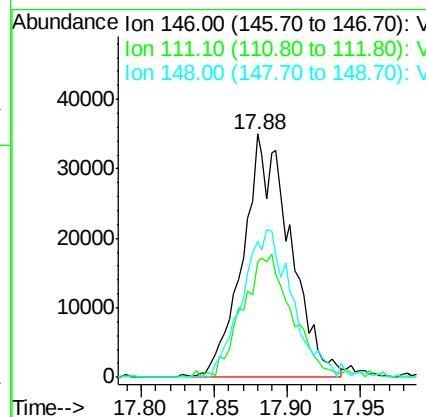
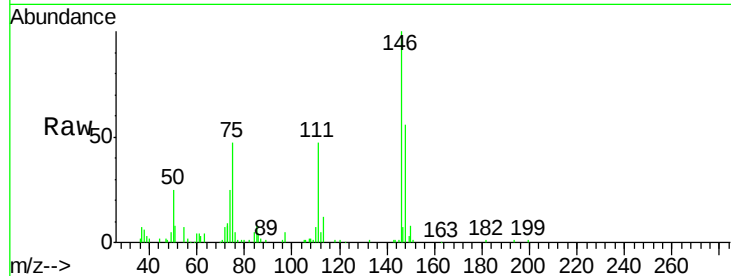
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	79485
Ion Ratio	Lower	Upper	
146	100		
111	0.0	25.3	75.8#
148	0.0	32.3	96.9#

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#78

Hexachloro-1,3-Butadiene

Concen: 0.525 ppbv m

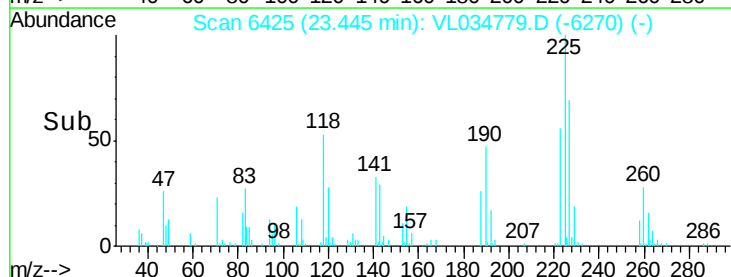
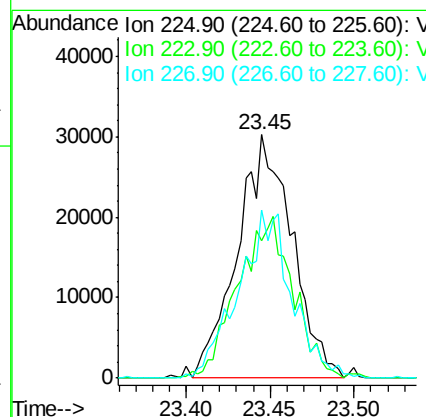
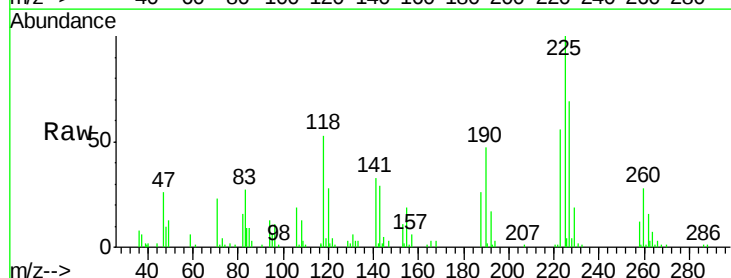
RT: 23.45 min Scan# 6425

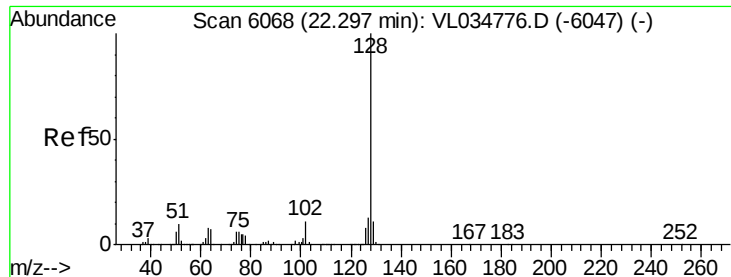
Delta R.T. -0.00 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Tgt Ion:	225	Resp:	68602
Ion Ratio	Lower	Upper	
225	100		
223	0.0	51.3	76.9#
227	0.0	51.9	77.9#





#79

Naphthalene

Concen: 0.294 ppbv m

RT: 22.30 min Scan# 6070

Delta R.T. 0.01 min

Lab File: VL034779.D

Acq: 4 Mar 2020 3:19

Instrument :

MSVOA_L

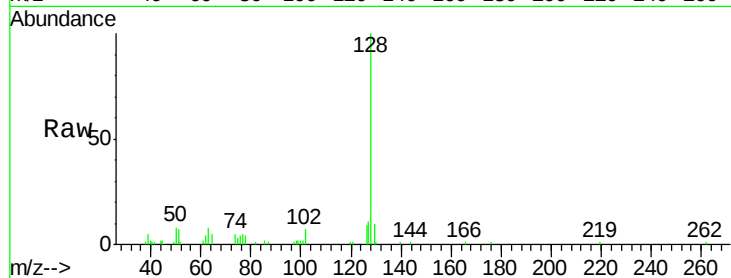
ClientSampleId :

VSTDIC0.5

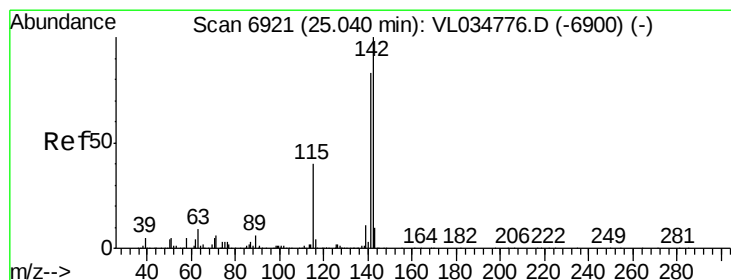
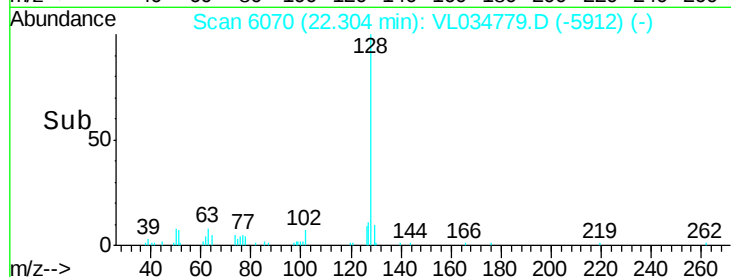
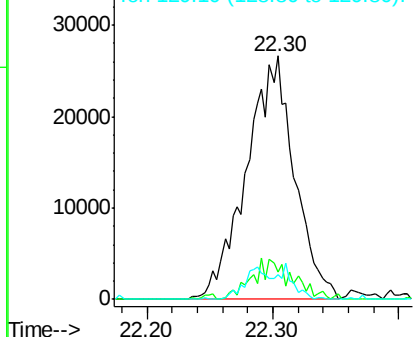
Tot Ion:	128	Resp:	70553
Ion Ratio	Lower	Upper	
128	100		
127	11.4	10.2	15.4
129	10.2	9.0	13.6

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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.181 ppbv

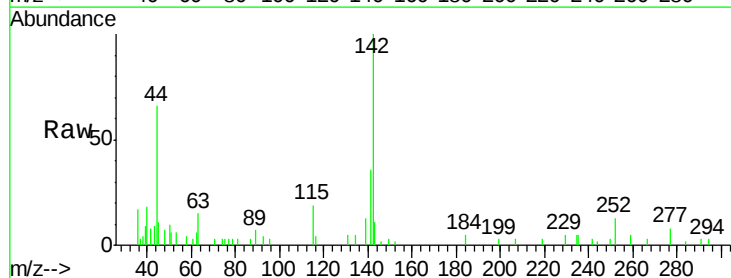
RT: 25.03 min Scan# 6918

Delta R.T. -0.01 min

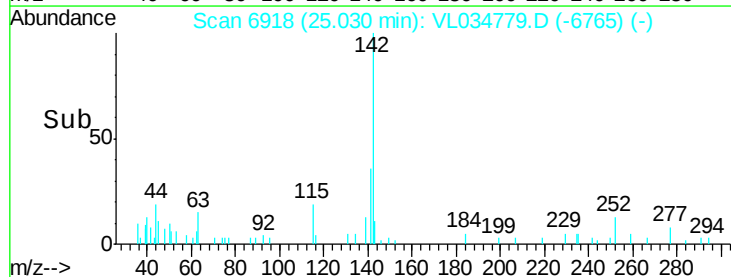
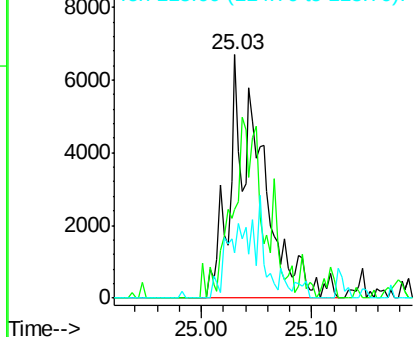
Lab File: VL034779.D

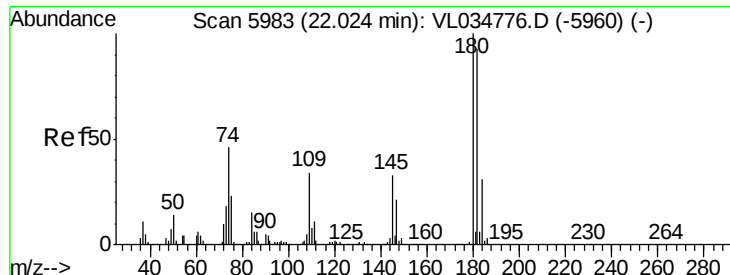
Acq: 4 Mar 2020 3:19

Tgt Ion:	142	Resp:	13428
Ion Ratio	Lower	Upper	
142	100		
141	81.4	67.7	101.5
115	37.7	30.7	46.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.374 ppbv m
 RT: 22.02 min Scan# 5982
 Delta R.T. -0.00 min
 Lab File: VL034779.D
 Acq: 4 Mar 2020 3:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.8	115.2#
184	0.0	24.8	37.2#

Manual Integrations
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