

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035318.D
 Acq On : 3 Aug 2020 14:14
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
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 8/6/2020 2:44:28 PM

Quant Time: Aug 03 15:19:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 03 2020
 QLast Update : Mon Aug 03 15:02:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1440224	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3599027	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3287264	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2831058	10.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	112337	0.653 ppbv	90
3) Chlorodifluoromethane	2.94	51	87068	0.546 ppbv	100
4) Chloromethane	3.10	50	51999	0.580 ppbv #	84
5) Vinyl Chloride	3.21	62	43094	0.461 ppbv	97
6) Bromomethane	3.43	94	31625	0.548 ppbv #	78
7) Chloroethane	3.52	64	19464	0.577 ppbv	93
8) Dichlorotetrafluoroethane	3.14	85	132524	0.607 ppbv	96
9) Propene	2.96	41	27721	0.499 ppbv	99
10) Heptane	8.12	43	61277	0.407 ppbv	100
11) Trichlorofluoromethane	3.92	101	137488	0.594 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	91032	0.555 ppbv	92
13) Ethanol	3.58	45	12553m	0.555 ppbv	
14) Bromoethene	3.70	108	33253m	0.497 ppbv	
15) Acetone	3.82	43	123524	0.643 ppbv	95
16) 1,3-Butadiene	3.28	39	37445	0.500 ppbv	99
17) tert-Butyl alcohol	4.27	59	99551m	0.537 ppbv	
18) 1,1-Dichloroethene	4.26	96	40243	0.552 ppbv #	84
19) Isopropyl Alcohol	3.94	45	66397	0.524 ppbv #	86
20) Methylene Chloride	4.31	84	60876	0.696 ppbv	88
21) Allyl Chloride	4.38	41	54840	0.501 ppbv #	85
22) trans-1,2-Dichloroethene	4.86	96	39874m	0.570 ppbv	
23) Vinyl Acetate	5.05	43	78663	0.408 ppbv #	91
24) 1,1-Dichloroethane	4.99	63	100148	0.556 ppbv	96
25) Ethyl Acetate	5.67	43	151455	0.505 ppbv	98
26) Hexane	5.67	57	60945	0.450 ppbv #	81
27) Carbon Disulfide	4.52	76	93688m	0.512 ppbv	
28) Methyl tert-Butyl Ether	5.02	73	89071	0.460 ppbv	98
29) Chloroform	5.74	83	125268	0.552 ppbv #	79
30) Cyclohexane	7.13	84	48147m	0.498 ppbv	
31) cis-1,2-Dichloroethene	5.53	61	55061	0.467 ppbv #	86
32) 1,1,1-Trichloroethane	6.50	97	117249	0.505 ppbv	98
34) 2-Butanone	5.23	43	80670	0.441 ppbv	99
35) Carbon Tetrachloride	7.01	117	116321m	0.483 ppbv	
36) Benzene	6.89	78	111578	0.446 ppbv #	96
37) 1,2-Dichloroethane	6.29	62	86996	0.498 ppbv	99
38) Trichloroethene	7.84	130	43383	0.418 ppbv	92
39) 1,2-Dichloropropane	7.62	63	44417	0.445 ppbv #	76
40) 1,4-Dioxane	7.87	88	20210m	0.514 ppbv	
41) Tetrahydrofuran	6.05	42	34215m	0.381 ppbv	
42) Bromodichloromethane	7.79	83	113457	0.486 ppbv	98
43) Methyl Methacrylate	8.02	69	38088m	0.351 ppbv	

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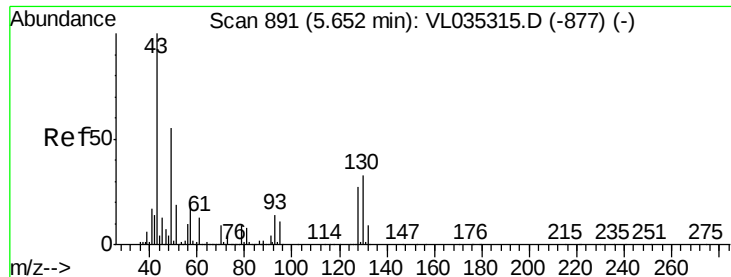
Manual Integrations
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 8/6/2020 2:44:28 PM

Quant Time: Aug 03 15:19:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 03 2020
 QLast Update : Mon Aug 03 15:02:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	183124	0.416	ppbv	94
45) t-1,3-Dichloropropene	9.28	75	38947m	0.357	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	47406m	0.356	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	58078m	0.493	ppbv	
48) Dibromochloromethane	10.32	129	87020m	0.469	ppbv	
49) Bromoform	13.07	173	69614	0.417	ppbv	96
50) 4-Methyl-2-Pentanone	8.76	43	99428m	0.375	ppbv	
51) 2-Hexanone	10.16	43	73317m	0.364	ppbv	
52) Tetrachloroethene	11.24	164	39705m	0.416	ppbv	
53) Toluene	9.82	91	92312m	0.347	ppbv	
54) 1,2-Dibromoethane	10.63	107	78400m	0.460	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	81249m	0.538	ppbv	
57) Chlorobenzene	12.16	112	126763m	0.512	ppbv	
58) Ethyl Benzene	12.73	91	123266	0.354	ppbv	98
59) m/p-Xylene	13.02	91	268244m	0.828	ppbv	
60) o-Xylene	13.72	91	127437	0.394	ppbv	91
61) Styrene	13.56	104	60612m	0.309	ppbv	
62) Isopropylbenzene	14.70	105	206254	0.429	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	134808m	0.484	ppbv	
64) n-propylbenzene	15.59	120	48977m	0.383	ppbv	
65) tert-Butylbenzene	16.79	119	179515m	0.412	ppbv	
66) Benzyl Chloride	17.03	91	69826m	0.409	ppbv	
67) sec-Butylbenzene	17.33	105	258102	0.405	ppbv	96
69) p-Isopropyltoluene	17.69	119	204350m	0.393	ppbv	
70) n-Butylbenzene	18.59	91	224547m	0.399	ppbv	
71) 2-Chlorotoluene	15.48	91	138788	0.382	ppbv	95
72) 4-Ethyltoluene	15.87	105	128191	0.352	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.03	105	134699	0.379	ppbv	94
74) 1,2,4-Trimethylbenzene	16.79	105	185922m	0.450	ppbv	
75) 1,3-Dichlorobenzene	17.03	146	132853m	0.498	ppbv	
76) 1,4-Dichlorobenzene	17.17	146	114783m	0.476	ppbv	
77) 1,2-Dichlorobenzene	17.86	146	115397m	0.483	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	97817m	0.500	ppbv	
79) Naphthalene	22.26	128	114550m	0.349	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	23568	0.222	ppbv	95
81) 1,2,4-Trichlorobenzene	21.98	180	80809m	0.404	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL035318.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1440224

Ion Ratio Lower Upper

49 100

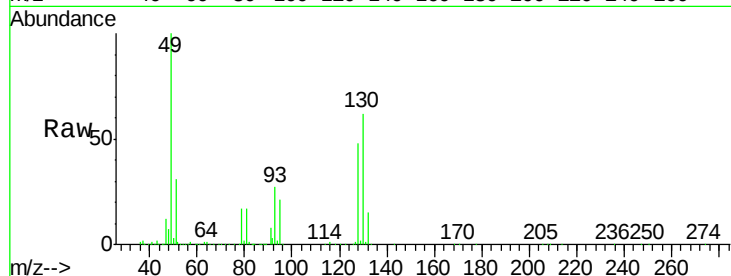
128 50.4 23.8 71.5

130 65.0 31.4 94.3

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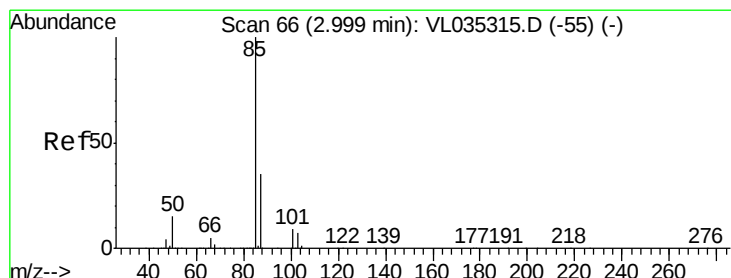
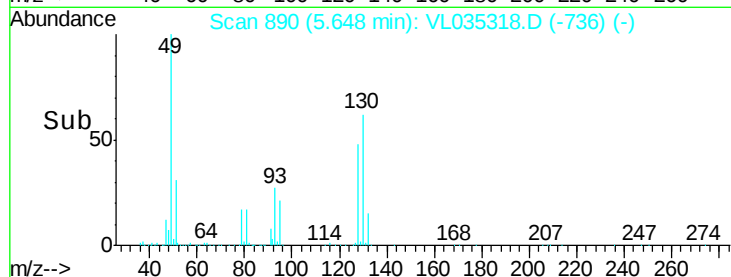
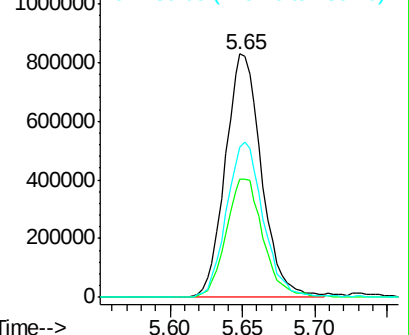
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.653 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035318.D

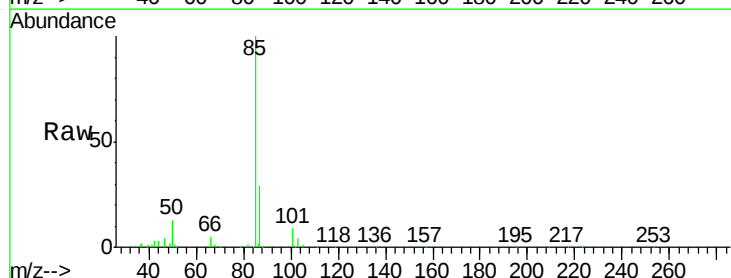
Acq: 3 Aug 2020 14:14

Tgt Ion: 85 Resp: 112337

Ion Ratio Lower Upper

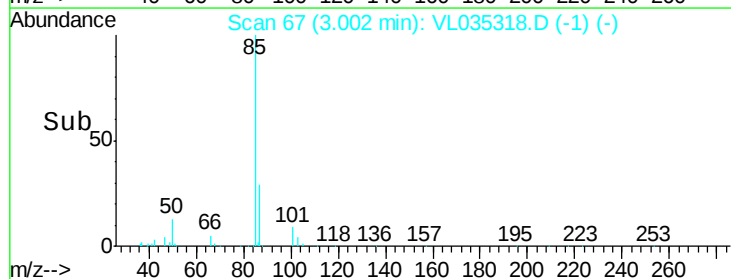
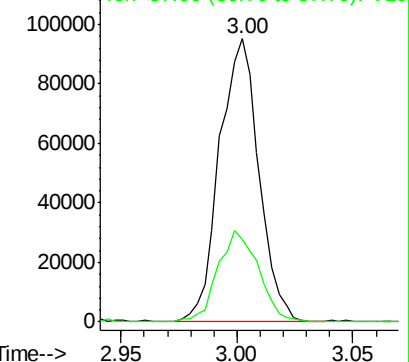
85 100

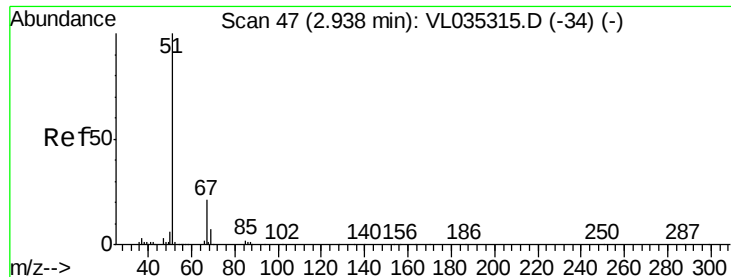
87 29.0 27.8 41.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.546 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 87068

Ion Ratio Lower Upper

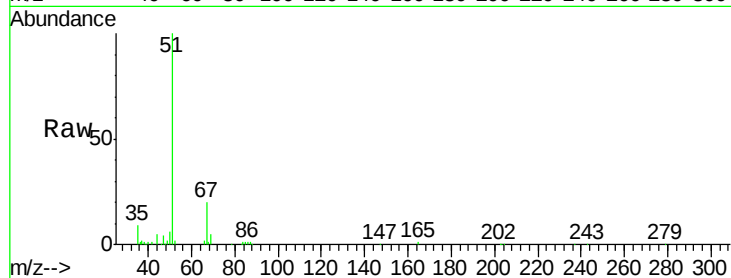
51 100

67 20.1 16.2 24.2

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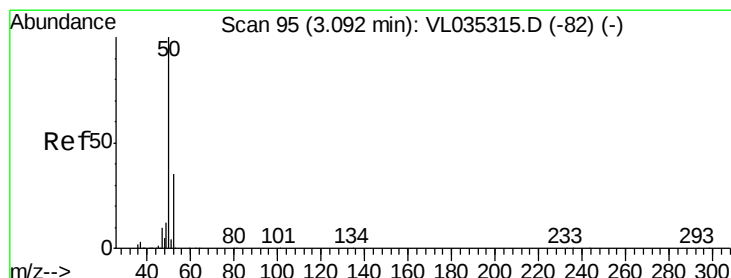
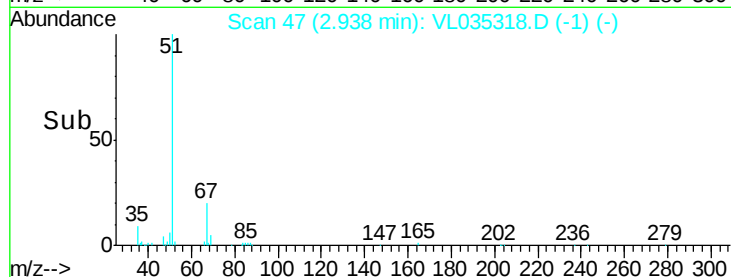
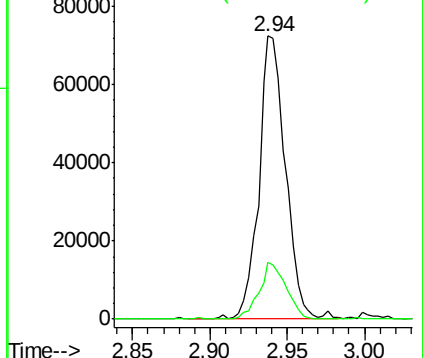
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.580 ppbv

RT: 3.10 min Scan# 96

Delta R.T. 0.00 min

Lab File: VL035318.D

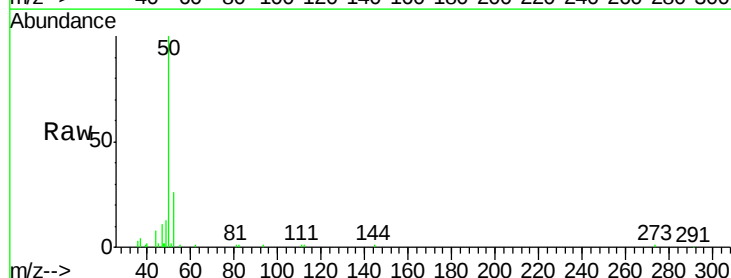
Acq: 3 Aug 2020 14:14

Tgt Ion: 50 Resp: 51999

Ion Ratio Lower Upper

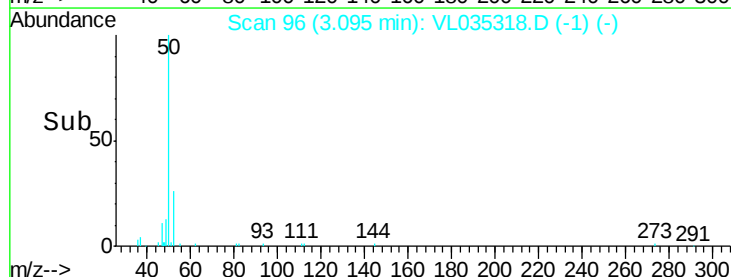
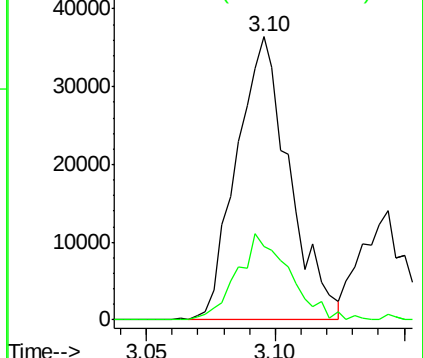
50 100

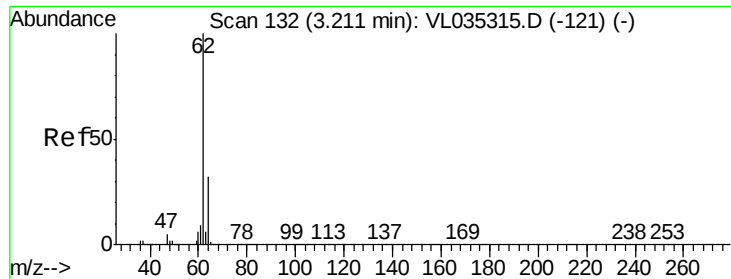
52 25.5 27.8 41.8#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.461 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 43094

Ion Ratio Lower Upper

62 100

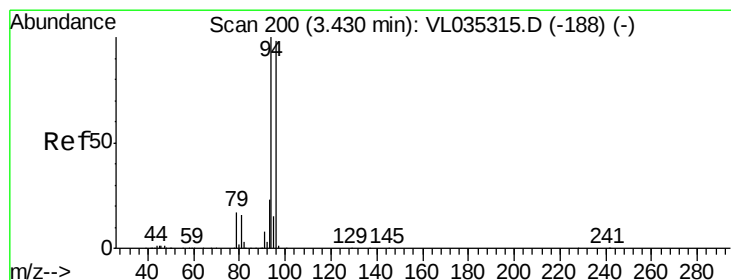
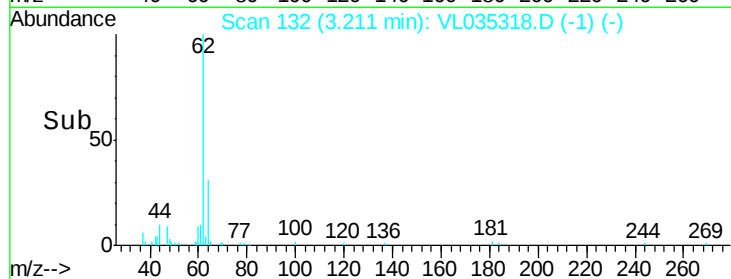
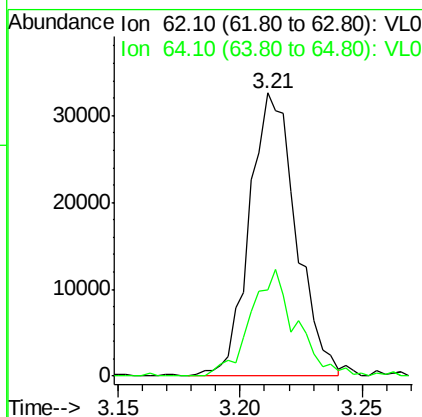
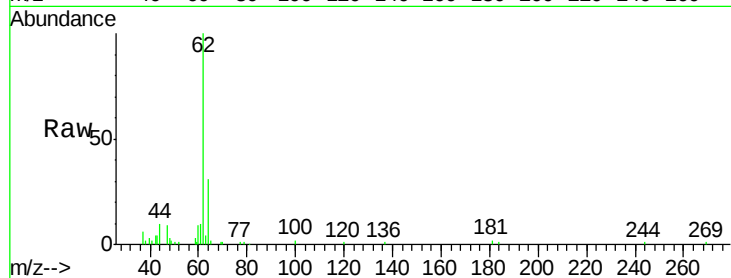
64 30.7 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 0.548 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035318.D

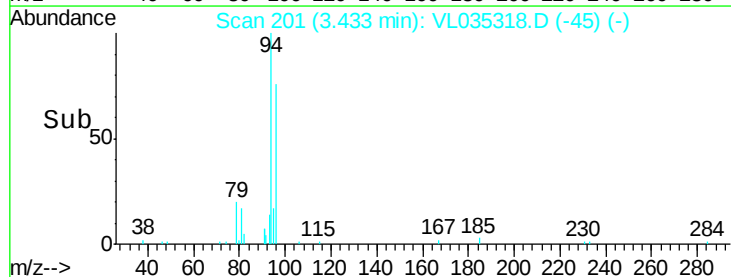
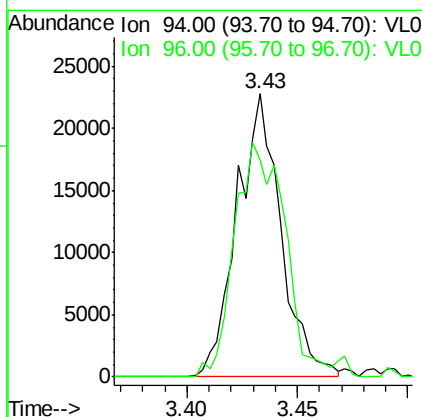
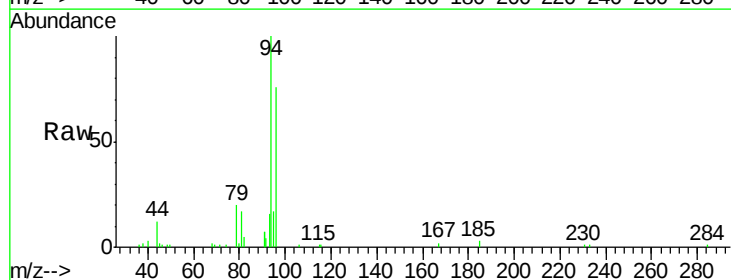
Acq: 3 Aug 2020 14:14

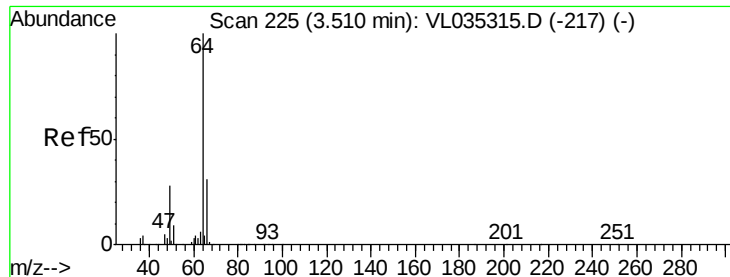
Tgt Ion: 94 Resp: 31625

Ion Ratio Lower Upper

94 100

96 76.4 78.6 117.8#





#7

Chloroethane

Concen: 0.577 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.01 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 19464

Ion Ratio Lower Upper

64 100

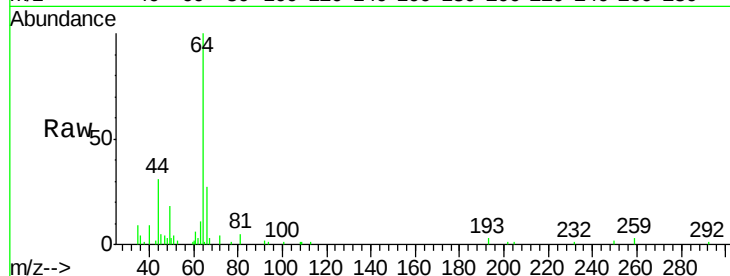
66 27.4 24.9 37.3

Manual Integrations

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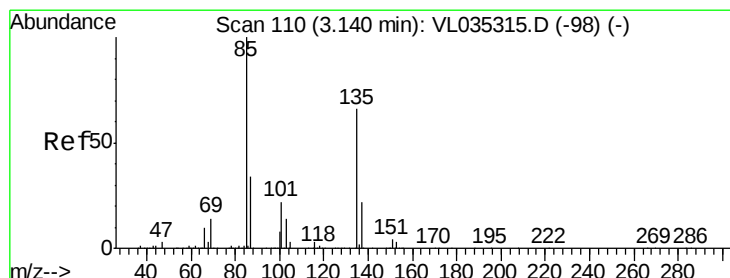
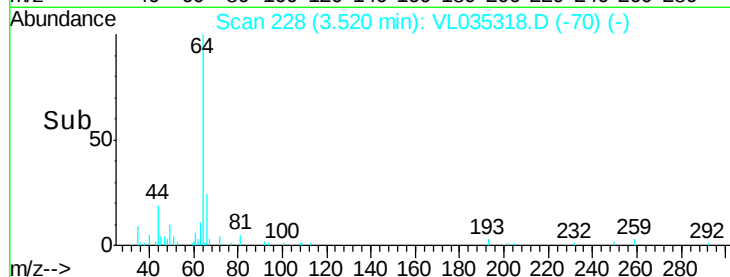
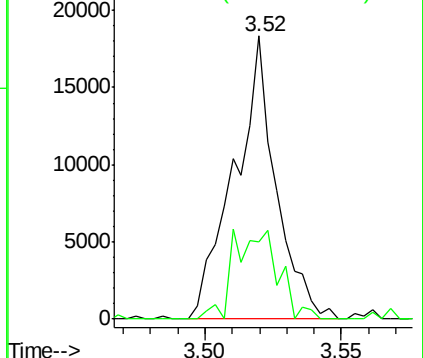
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.607 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035318.D

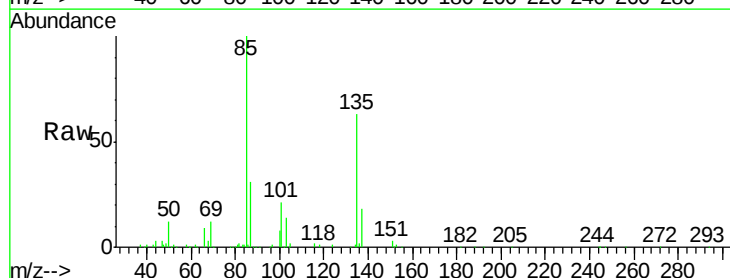
Acq: 3 Aug 2020 14:14

Tgt Ion: 85 Resp: 132524

Ion Ratio Lower Upper

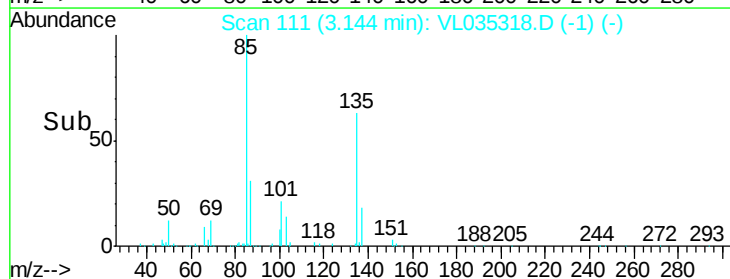
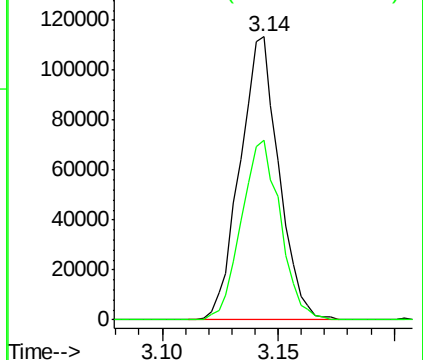
85 100

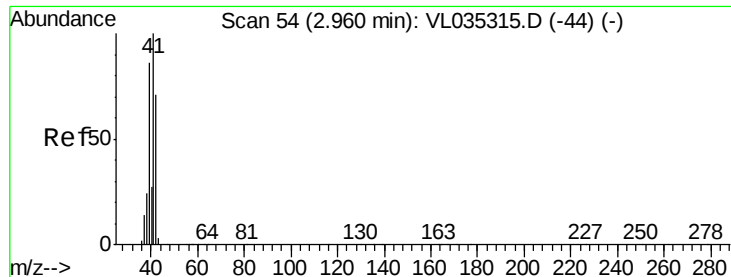
135 63.3 53.4 80.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.499 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 27721

Ion Ratio Lower Upper

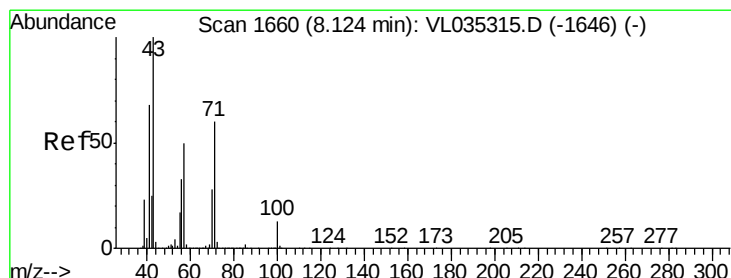
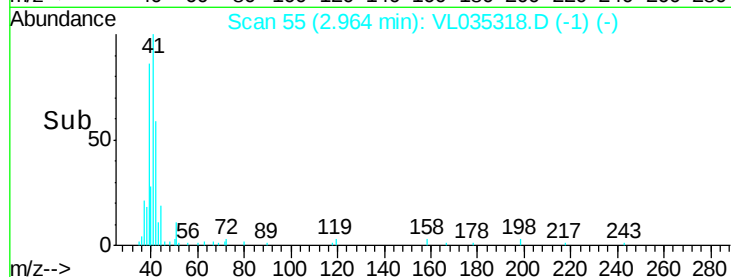
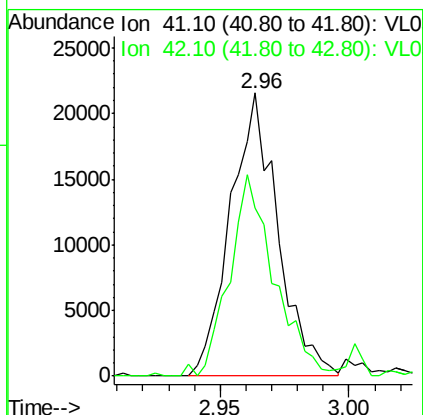
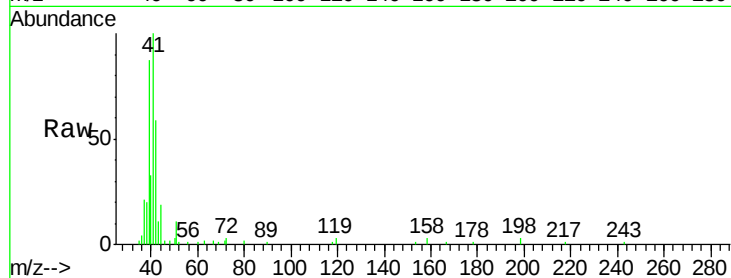
41 100

42 71.8 56.8 85.2

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#10

Heptane

Concen: 0.407 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL035318.D

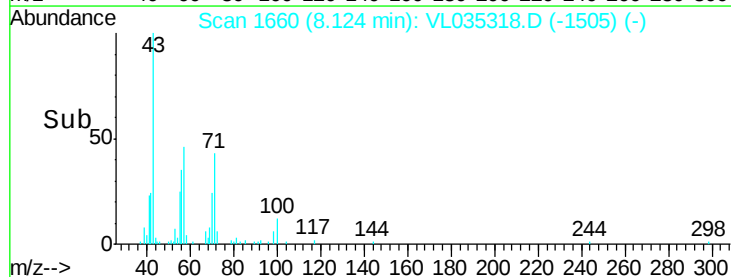
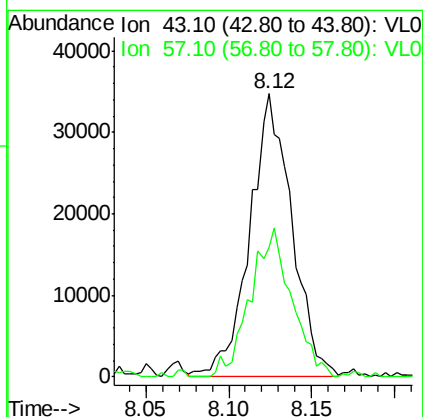
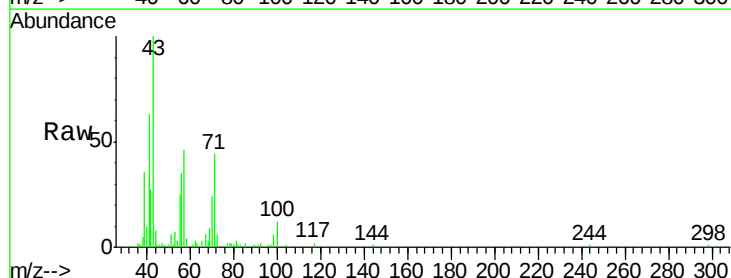
Acq: 3 Aug 2020 14:14

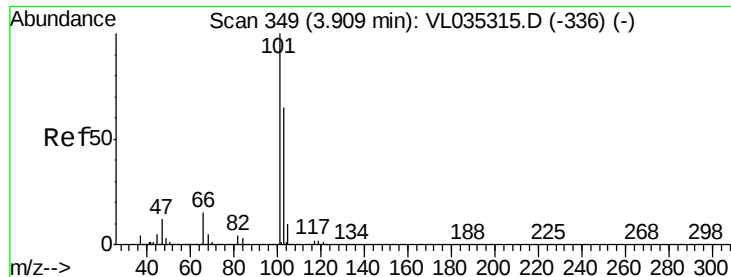
Tgt Ion: 43 Resp: 61277

Ion Ratio Lower Upper

43 100

57 53.2 42.4 63.6





#11

Trichlorofluoromethane

Concen: 0.594 ppbv

RT: 3.92 min Scan# 351

Delta R.T. 0.01 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:101 Resp: 137488

Ion Ratio Lower Upper

101 100

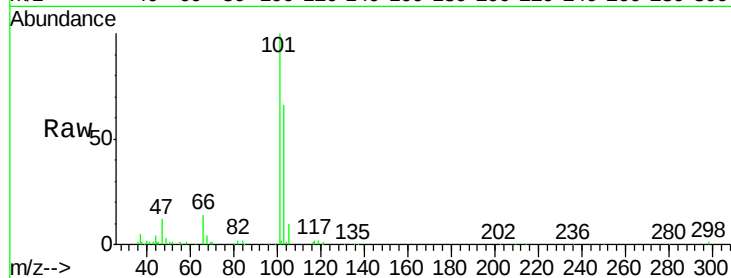
103 65.8 51.8 77.6

Manual Integrations

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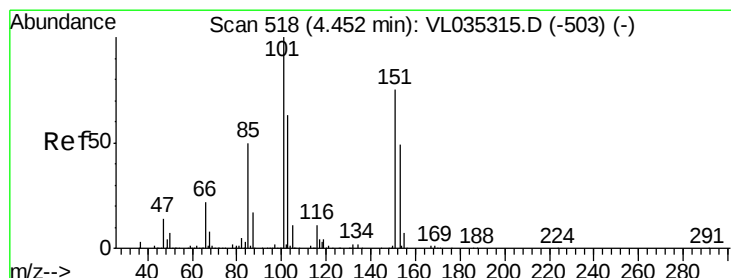
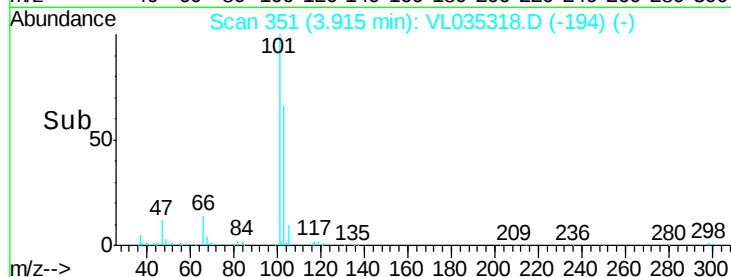
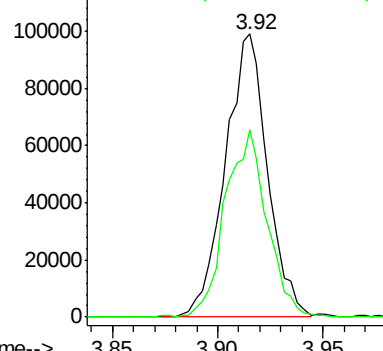
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.555 ppbv

RT: 4.46 min Scan# 519

Delta R.T. 0.00 min

Lab File: VL035318.D

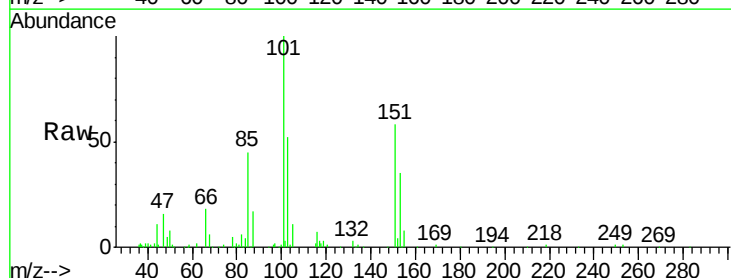
Acq: 3 Aug 2020 14:14

Tgt Ion:101 Resp: 91032

Ion Ratio Lower Upper

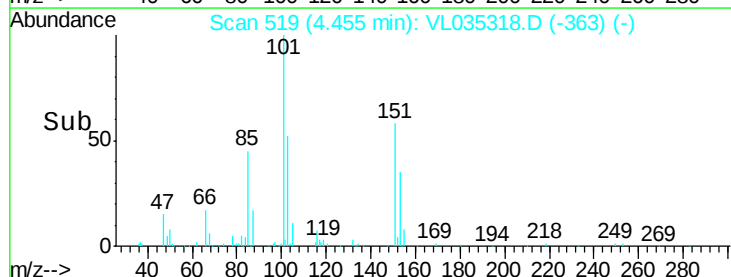
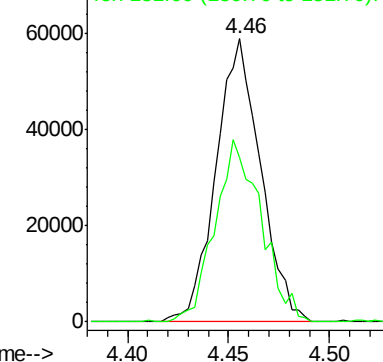
101 100

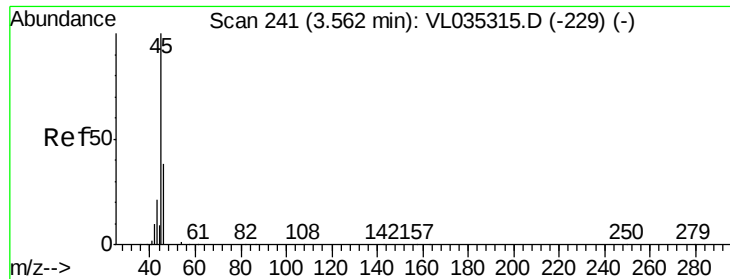
151 67.3 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





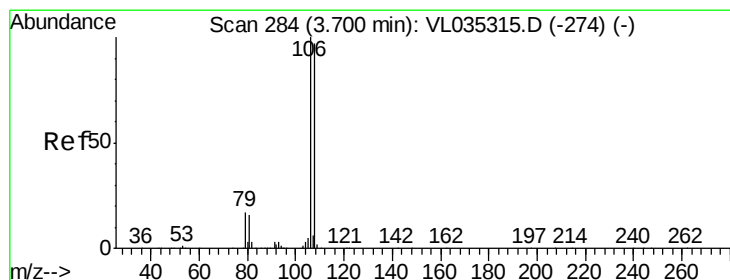
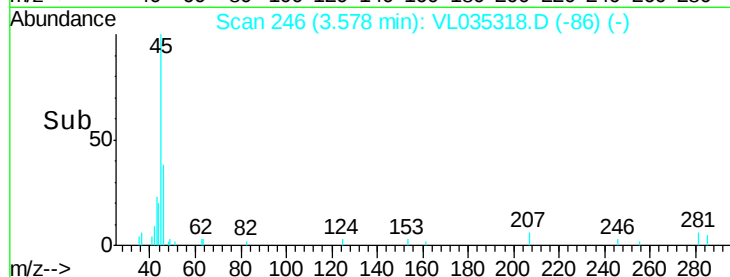
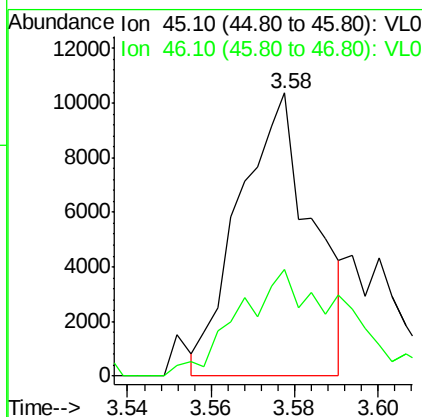
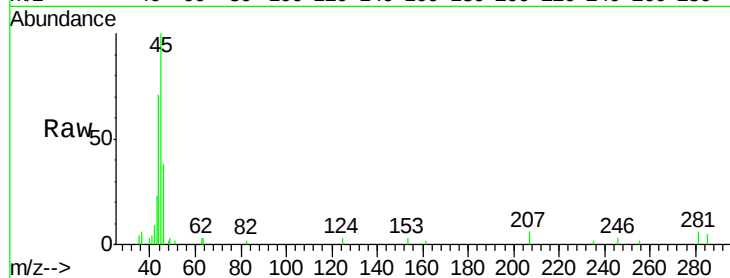
#13
Ethanol
Concen: 0.555 ppbv m
RT: 3.58 min Scan# 246
Delta R.T. 0.02 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	45	Resp	12553
Ion Ratio	100	Lower	Upper
46	55.1	14.5	57.9

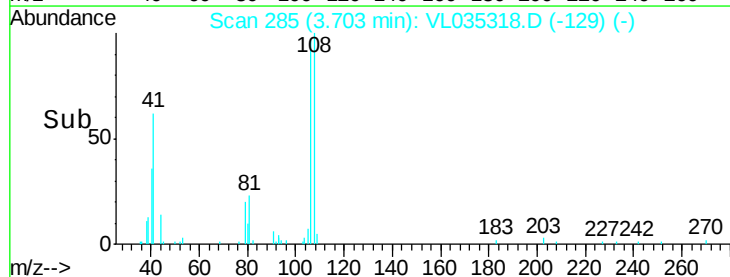
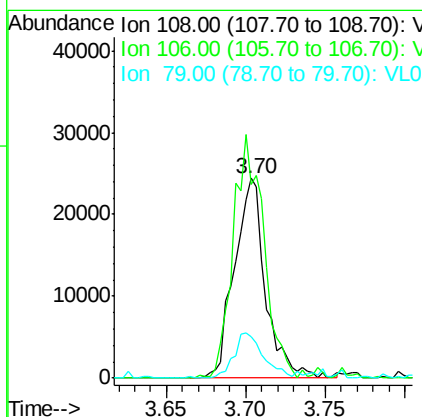
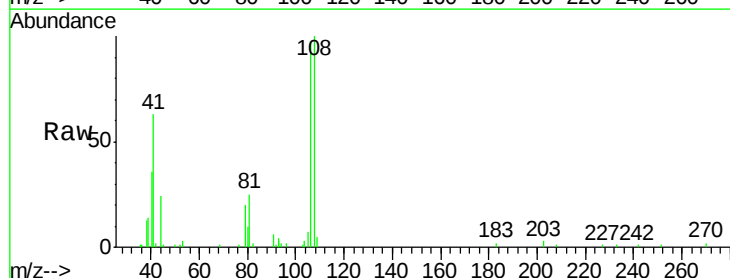
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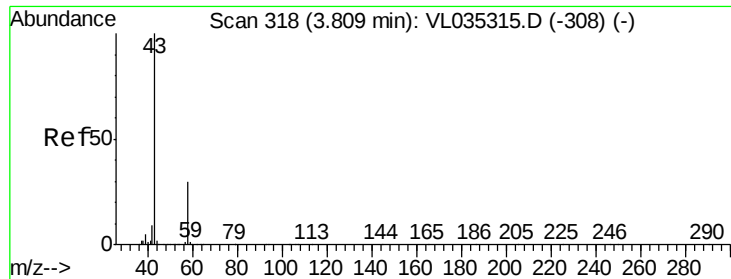
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#14
Bromoethene
Concen: 0.497 ppbv m
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Tgt Ion	108	Resp	33253
Ion Ratio	100	Lower	Upper
106	119.7	86.2	129.2
79	21.3	14.0	21.0#





#15

Acetone

Concen: 0.643 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.01 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 123524

Ion Ratio Lower Upper

43 100

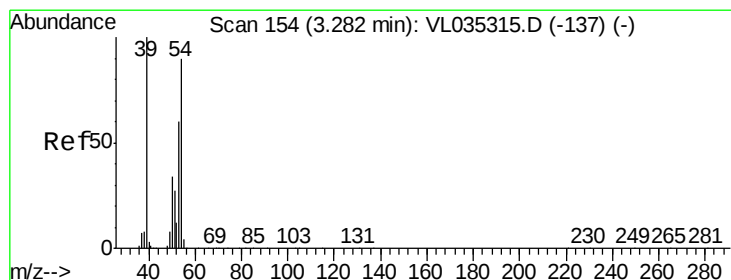
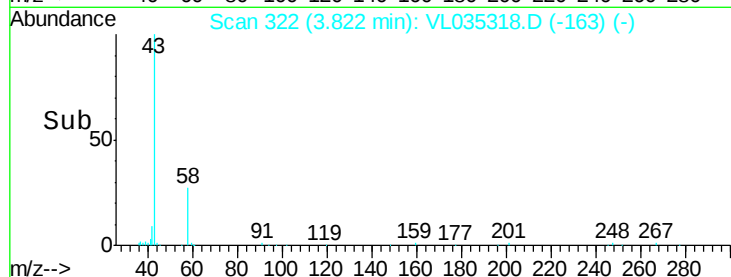
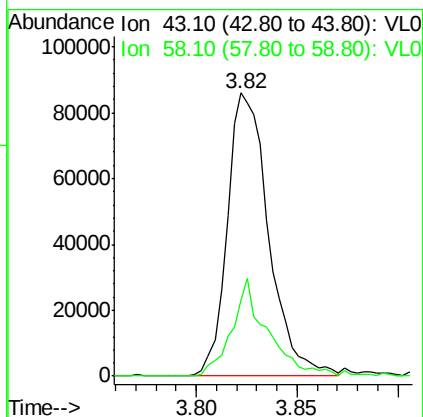
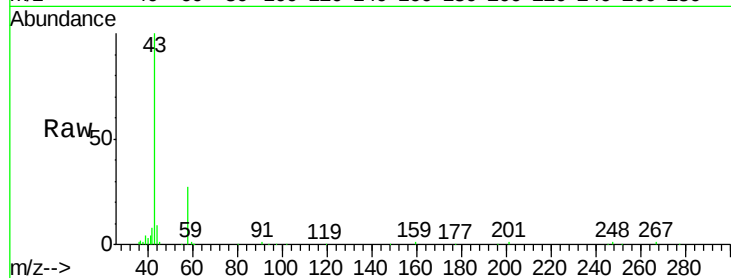
58 30.3 22.1 33.1

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.500 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.00 min

Lab File: VL035318.D

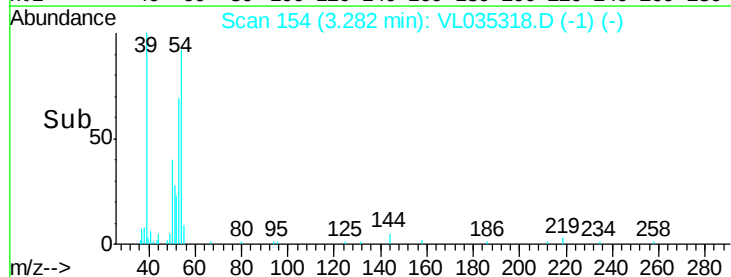
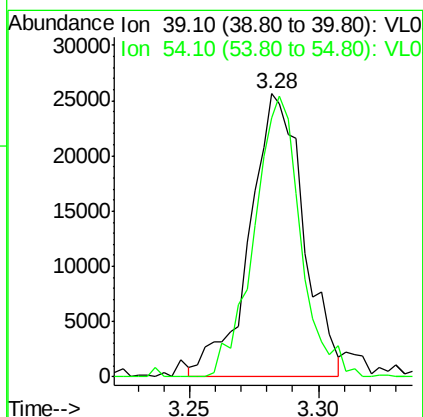
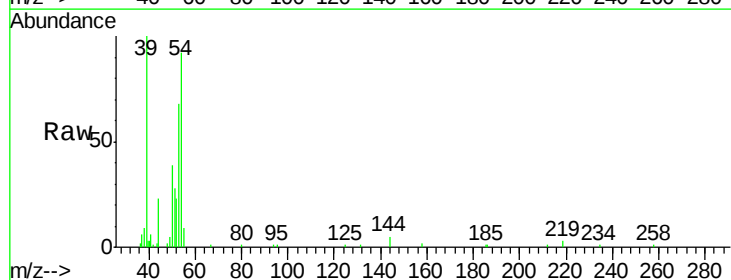
Acq: 3 Aug 2020 14:14

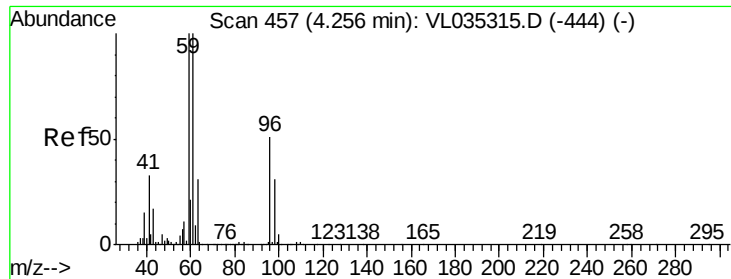
Tgt Ion: 39 Resp: 37445

Ion Ratio Lower Upper

39 100

54 85.8 68.0 102.0





#17

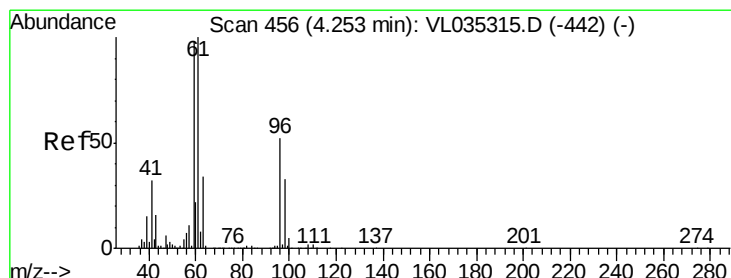
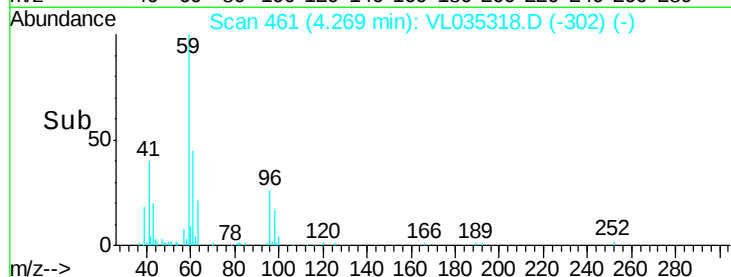
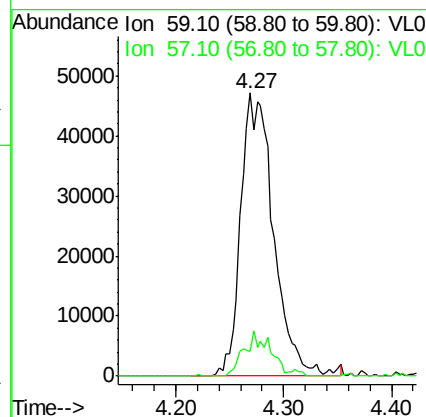
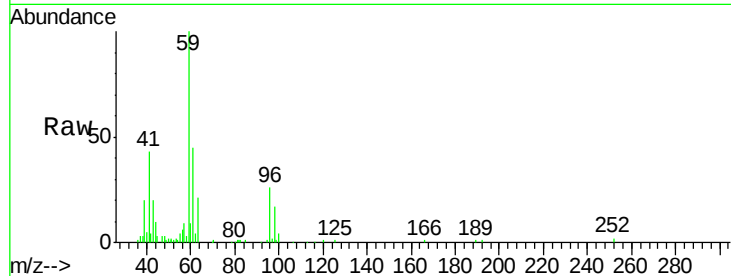
tert-Butyl alcohol
 Concen: 0.537 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

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

Manual Integrations
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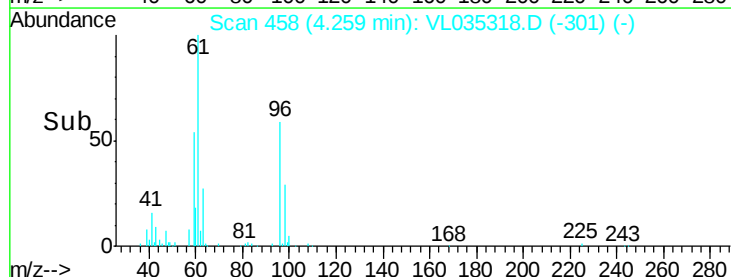
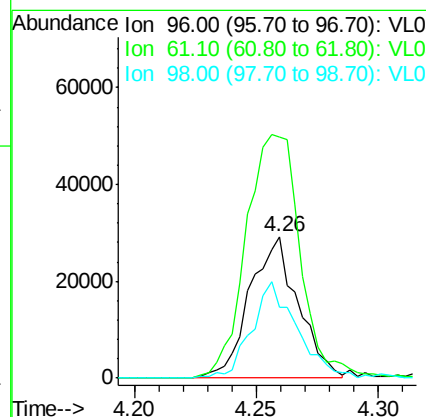
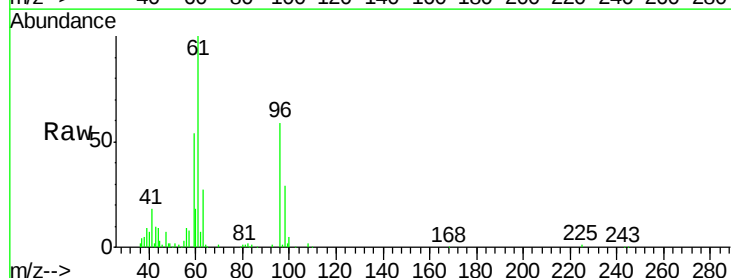
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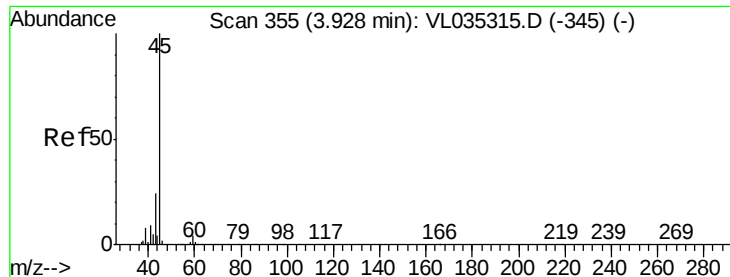


#18

1,1-Dichloroethene
 Concen: 0.552 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	154.9	232.3
98	49.9	51.0	76.4#





#19

Isopropyl Alcohol

Concen: 0.524 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.02 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 66397

Ion Ratio Lower Upper

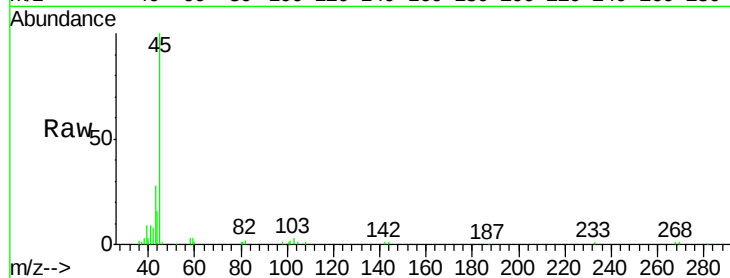
45 100

58 6.8 1.5 2.3#

Manual Integrations
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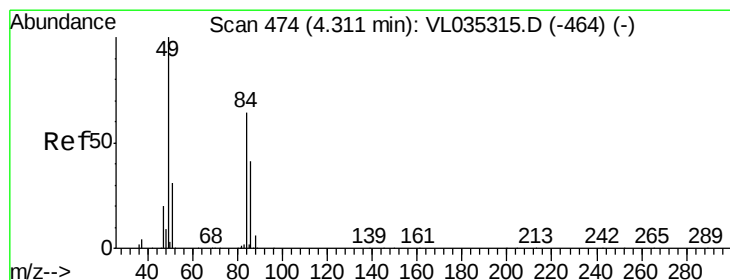
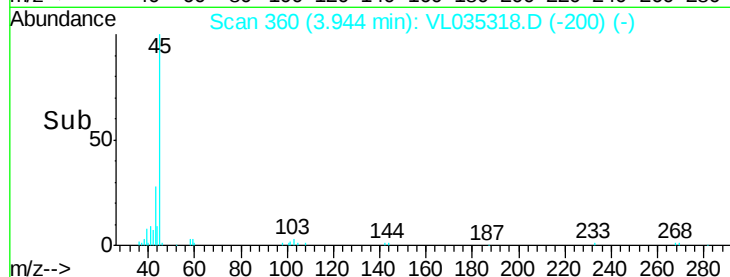
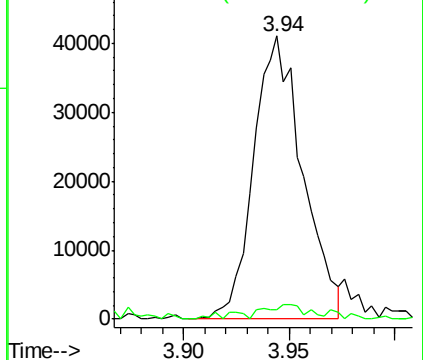
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.696 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Tgt Ion: 84 Resp: 60876

Ion Ratio Lower Upper

84 100

49 132.6 124.2 186.2

51 46.6 38.6 58.0

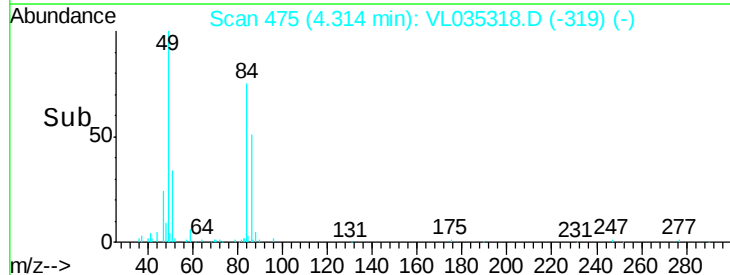
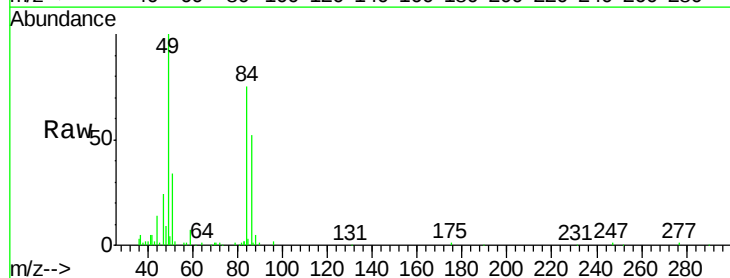
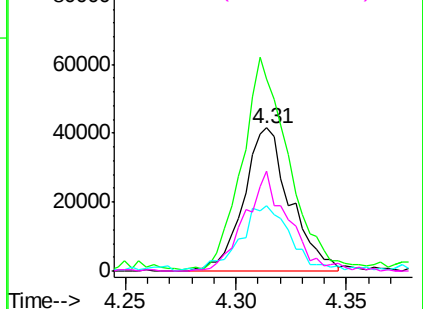
86 69.8 51.0 76.4

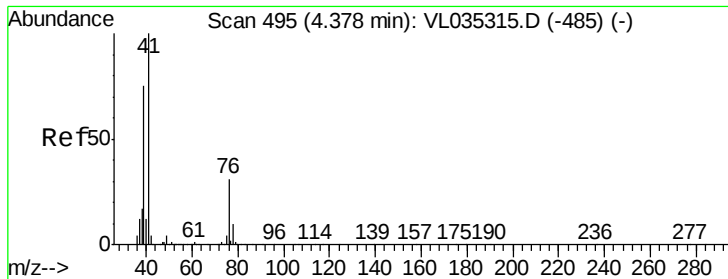
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





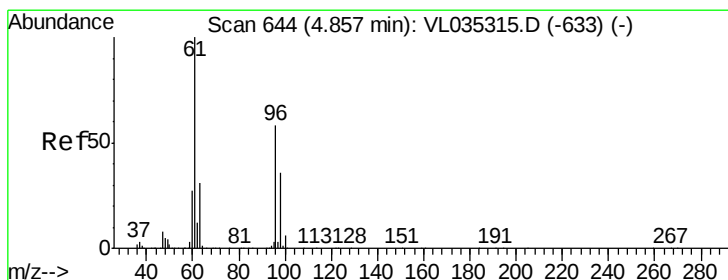
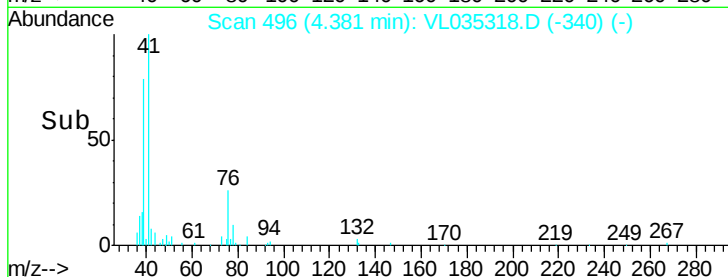
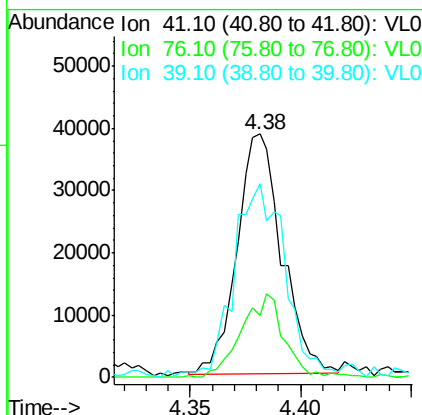
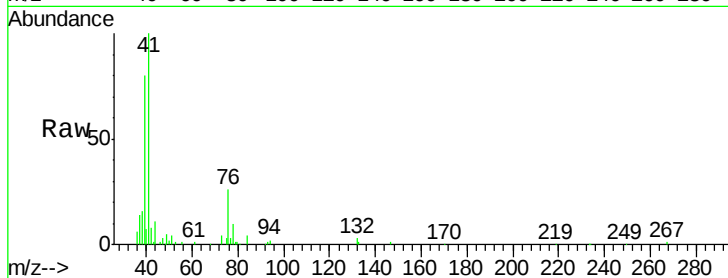
#21
Allvl Chloride
Concen: 0.501 ppbv
RT: 4.38 min Scan# 496
Delta R.T. 0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	33.6	24.4	36.6
39	94.0	61.8	92.6#

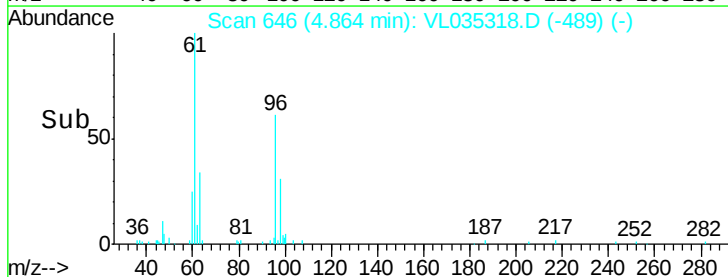
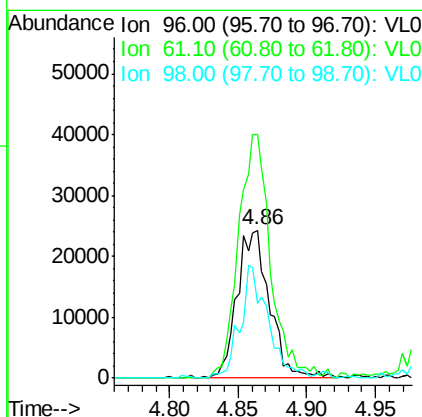
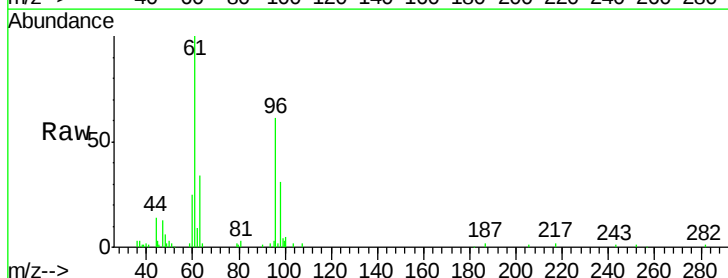
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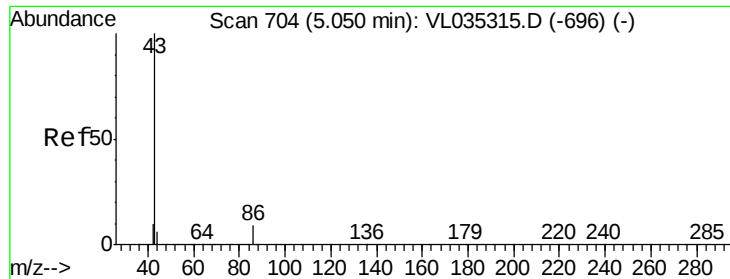
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#22
trans-1,2-Dichloroethene
Concen: 0.570 ppbv m
RT: 4.86 min Scan# 646
Delta R.T. 0.01 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.4	136.8	205.2
98	50.3	49.2	73.8





#23

Vinyl Acetate

Concen: 0.408 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

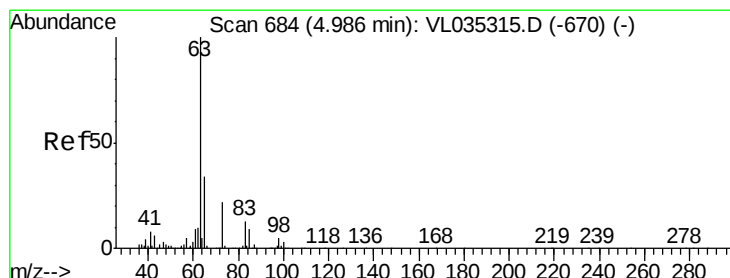
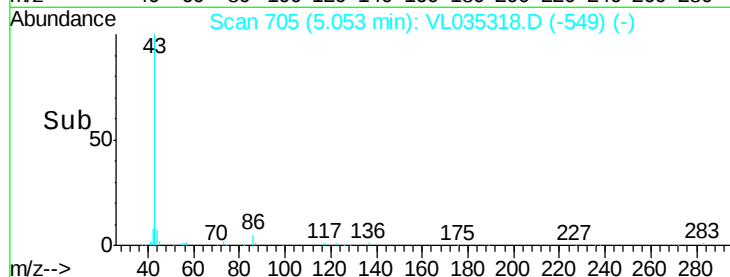
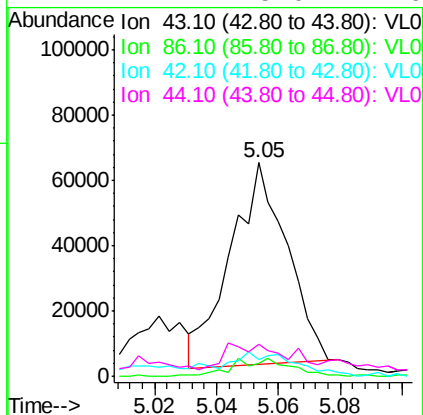
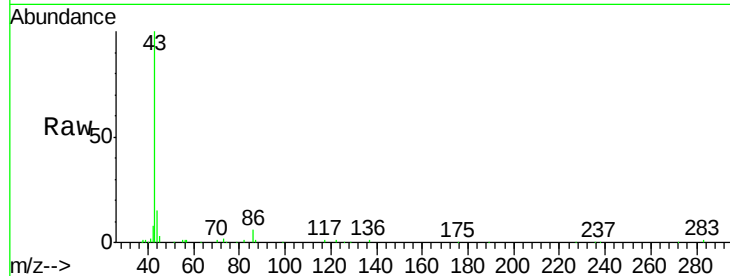
ClientSampleID :

VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	6.1	6.5	9.7#	
42	7.2	8.2	12.4#	
44	11.7	5.0	7.6#	

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.556 ppbv

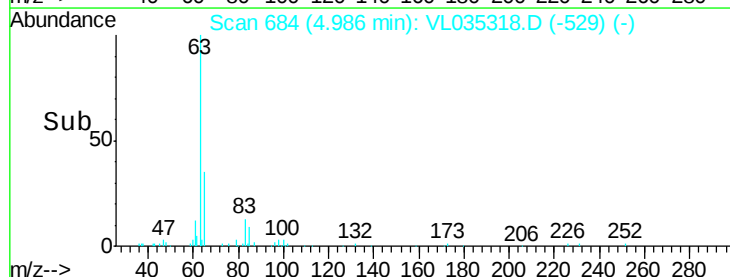
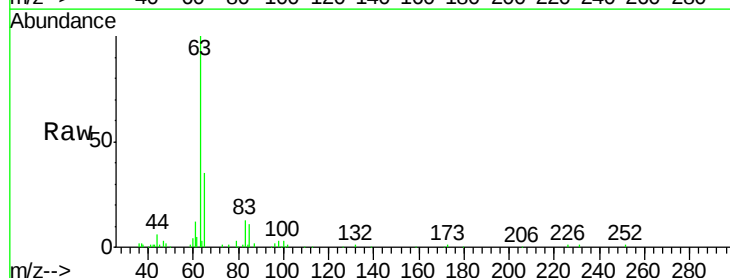
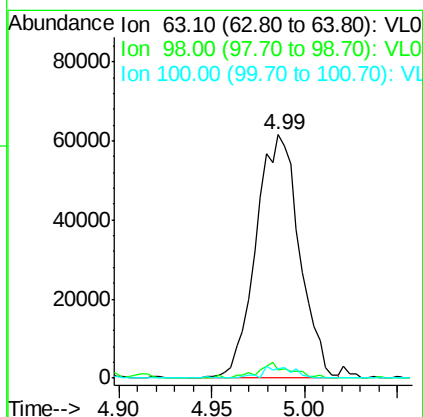
RT: 4.99 min Scan# 684

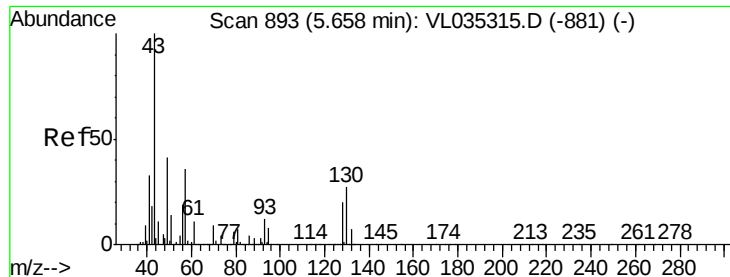
Delta R.T. -0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	3.2	2.5	7.5	
100	3.7	1.5	4.4	





#25

Ethyl Acetate

Concen: 0.505 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

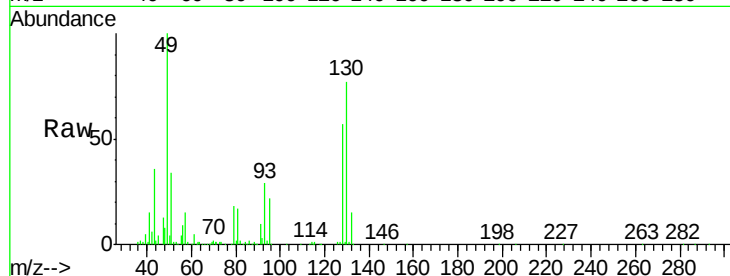
ClientSampled :

VSTDIC0.5

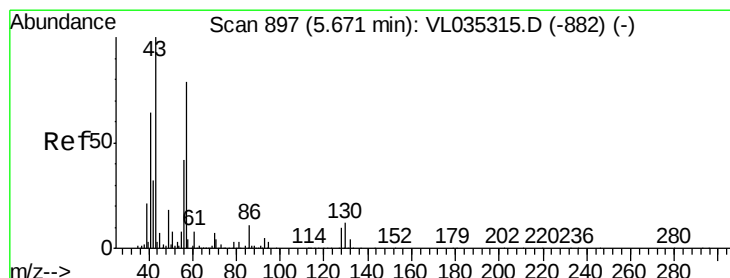
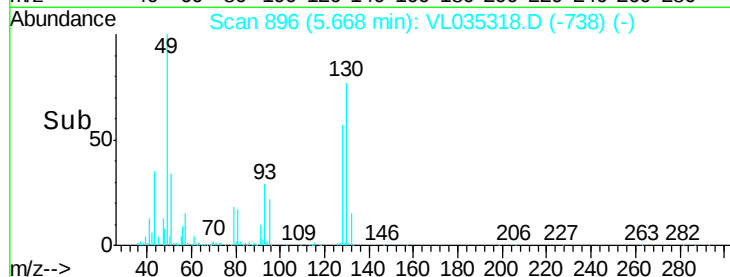
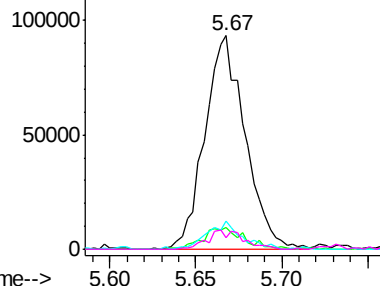
Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.8	8.6	12.8		
61	11.8	8.1	12.1		
70	8.0	6.5	9.7		

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



#26

Hexane

Concen: 0.450 ppbv

RT: 5.67 min Scan# 896

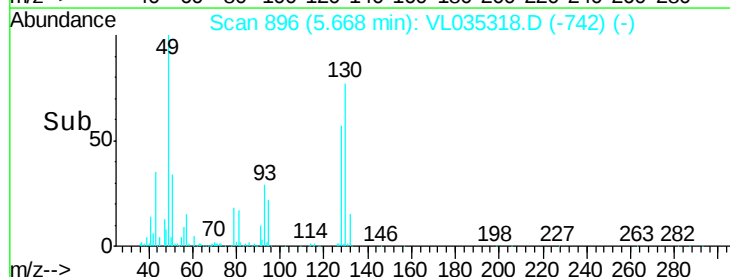
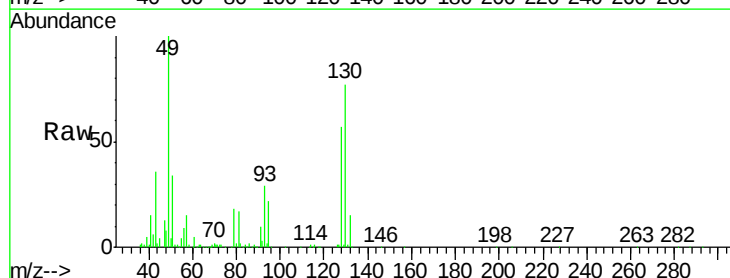
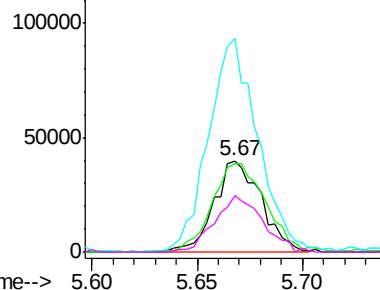
Delta R.T. -0.00 min

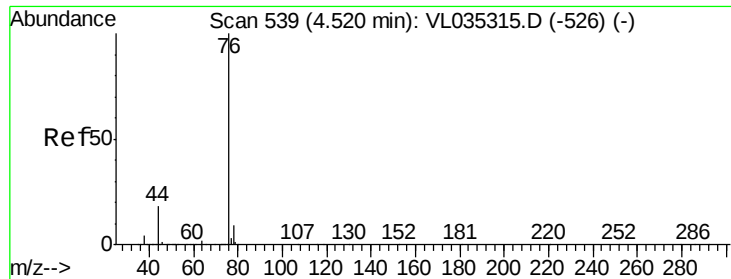
Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	113.6	72.1	108.1#		
43	251.9	179.0	268.6		
56	63.5	42.7	64.1		

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.512 ppbv m

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

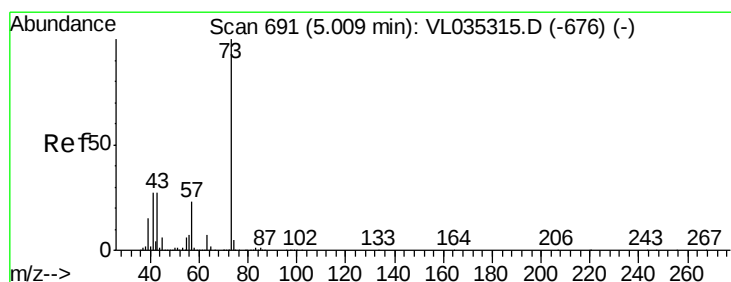
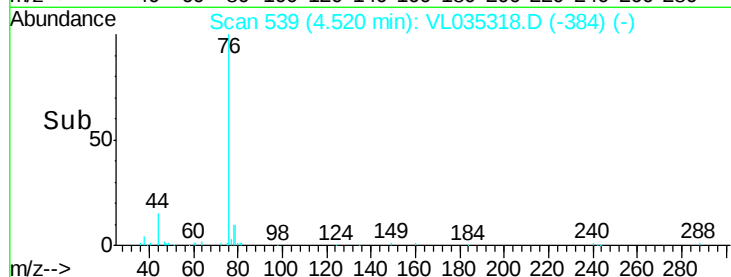
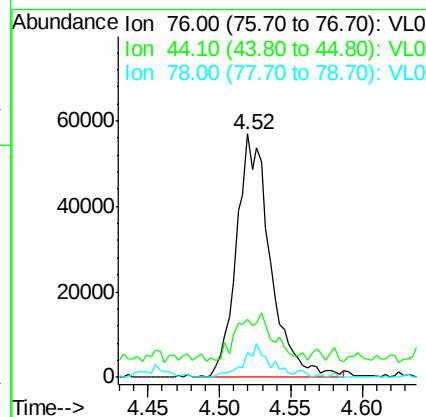
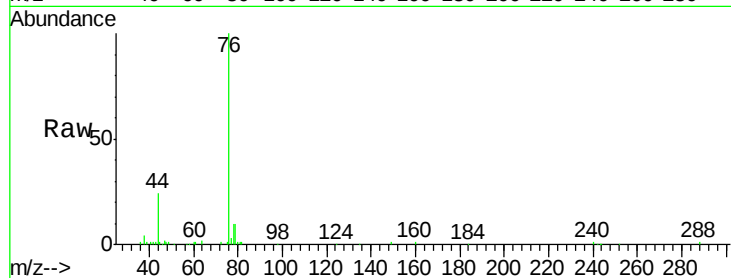
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	93688
Ion Ratio	Lower	Upper	
76	100		
44	26.7	14.8	22.2#
78	11.6	7.8	11.8

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#28

Methyl tert-Butyl Ether

Concen: 0.460 ppbv

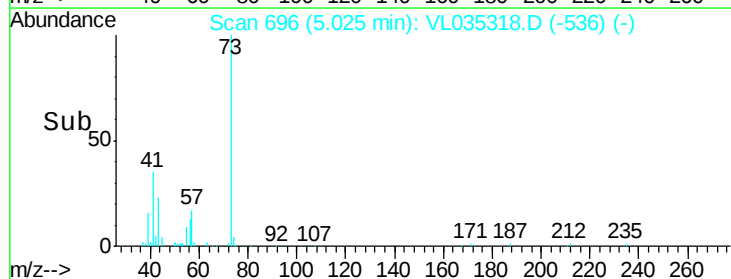
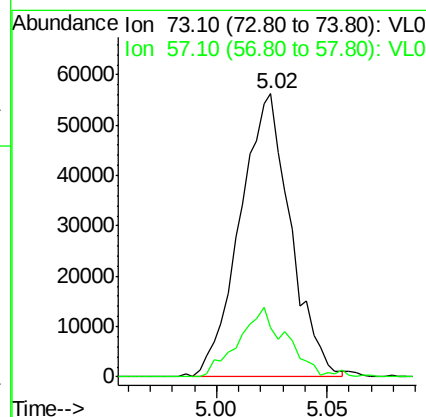
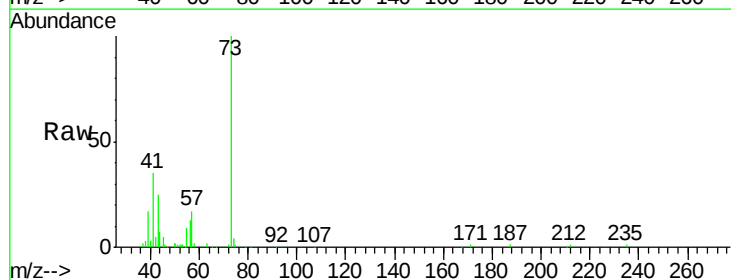
RT: 5.02 min Scan# 696

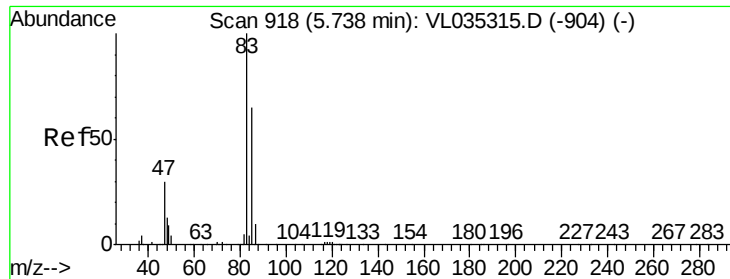
Delta R.T. 0.02 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Tgt Ion:	73	Resp:	89071
Ion Ratio	Lower	Upper	
73	100		
57	23.7	18.2	27.2





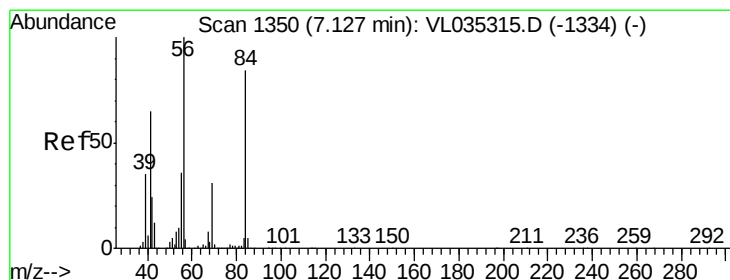
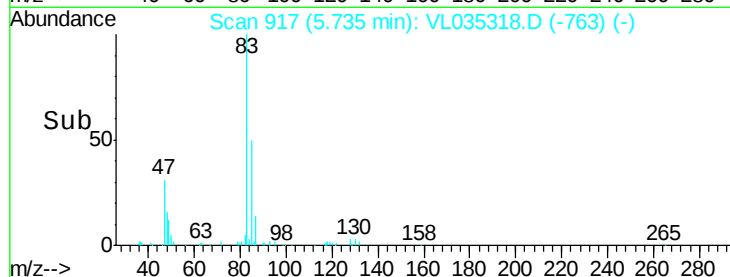
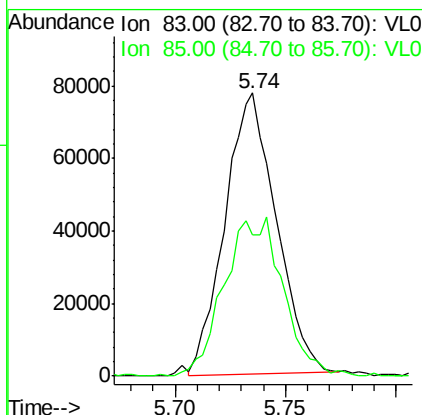
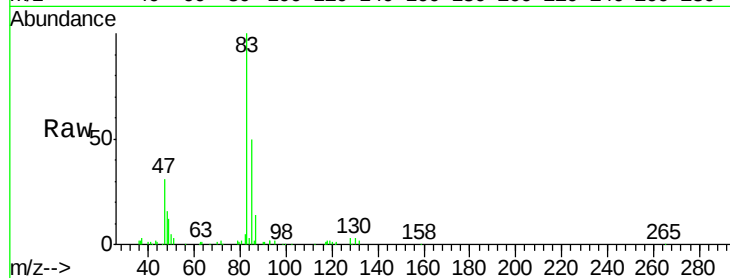
#29
Chloroform
Concen: 0.552 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	125268
Ion Ratio	Lower	Upper	
83	100		
85	48.6	51.9	77.9#

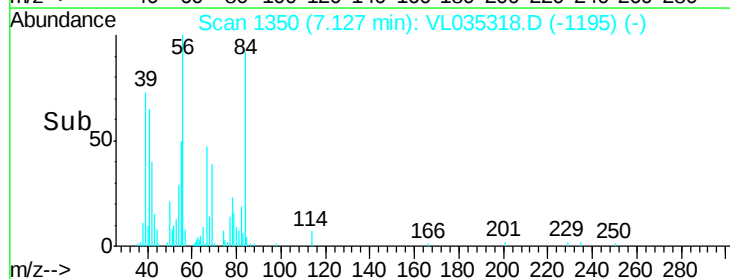
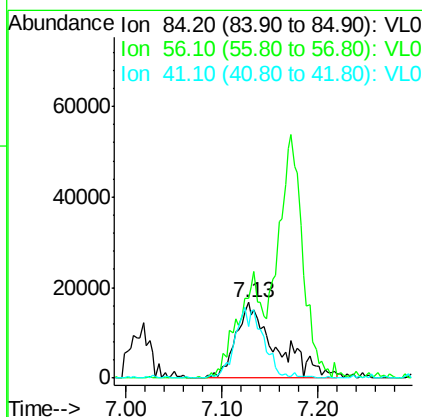
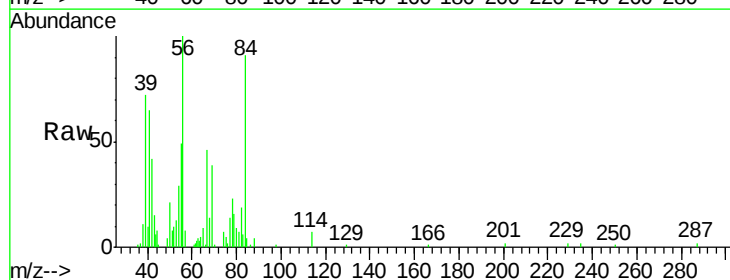
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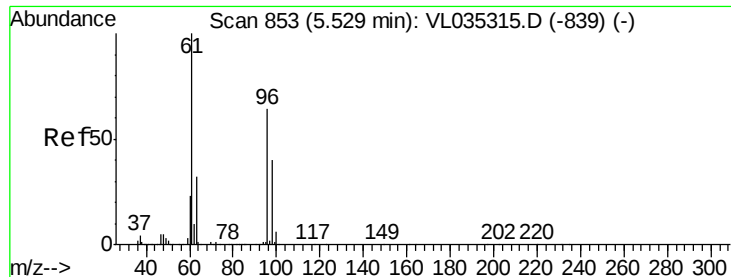
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#30
Cyclohexane
Concen: 0.498 ppbv m
RT: 7.13 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Tgt Ion	84	Resp	48147
Ion Ratio	Lower	Upper	
84	100		
56	0.0	103.0	154.6#
41	67.2	62.7	94.1





#31

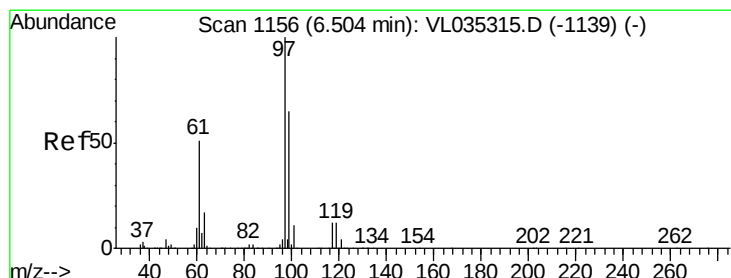
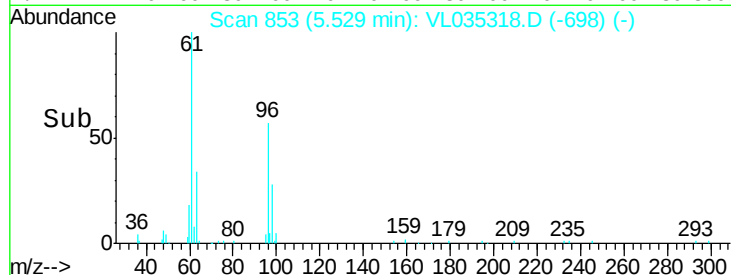
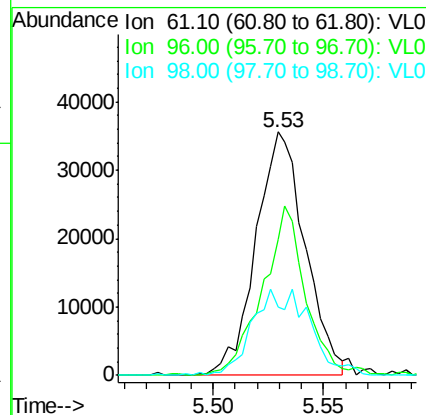
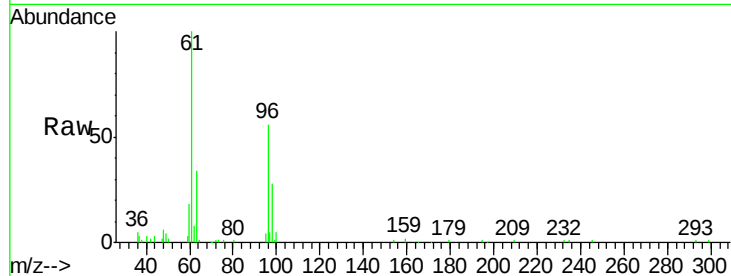
cis-1,2-Dichloroethene
Concen: 0.467 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	56.0	51.4	77.2
98	28.3	32.2	48.4

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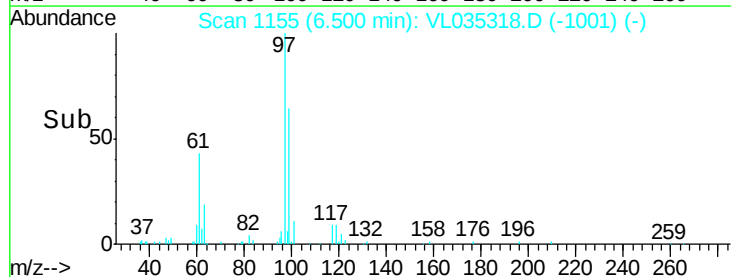
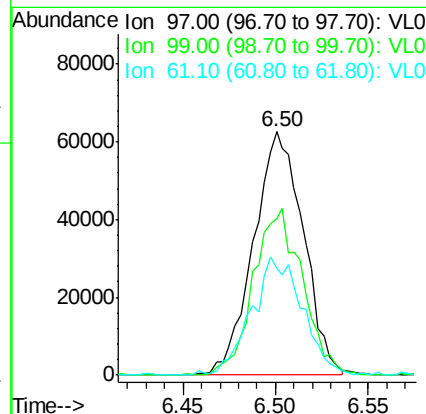
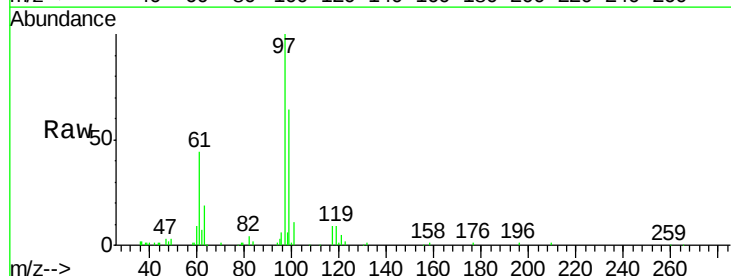
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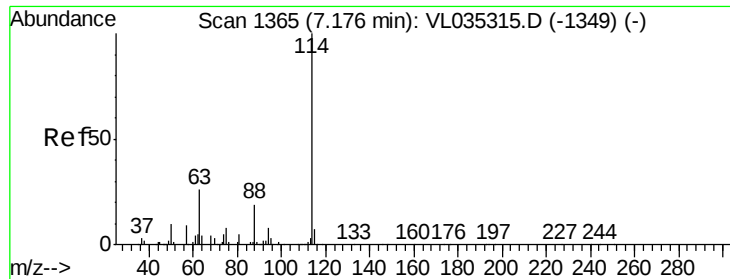


#32

1,1,1-Trichloroethane
Concen: 0.505 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.1	52.2	78.4
61	49.9	40.9	61.3





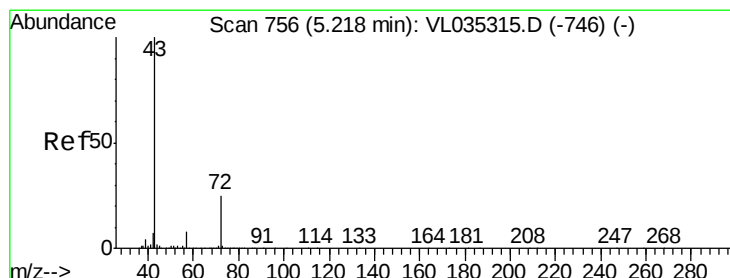
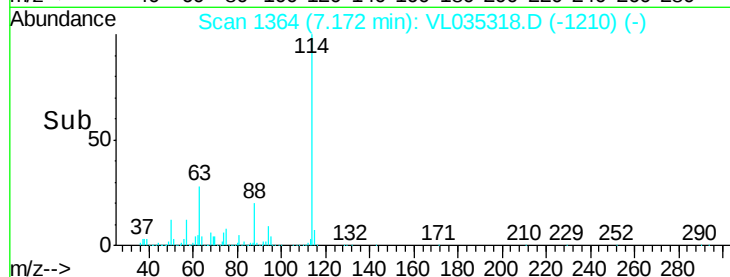
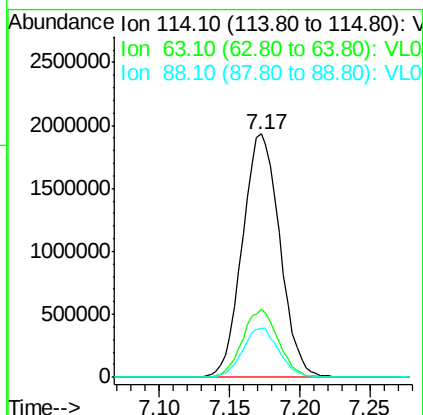
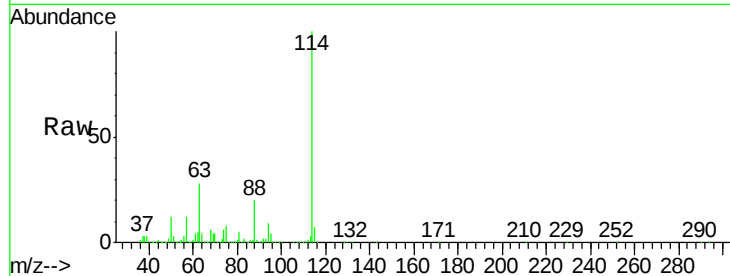
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.5	32.3
88	19.5	15.3	22.9

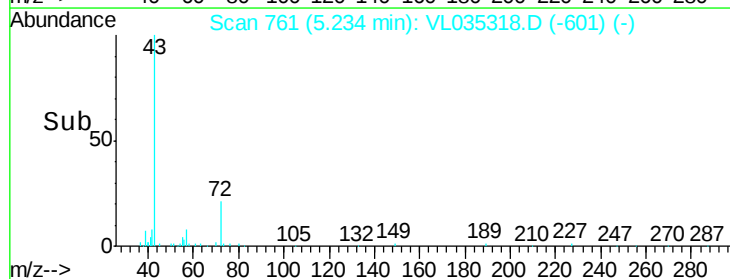
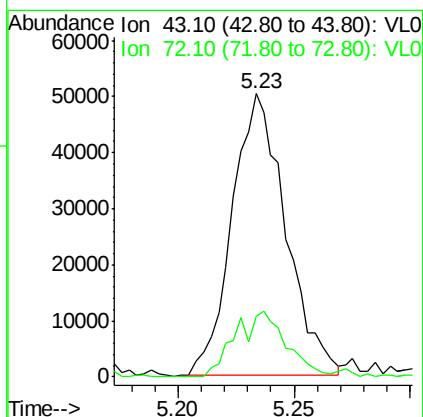
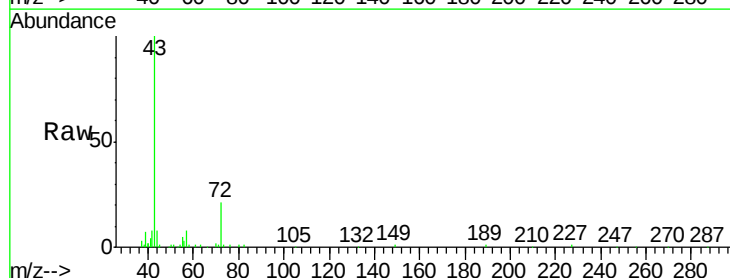
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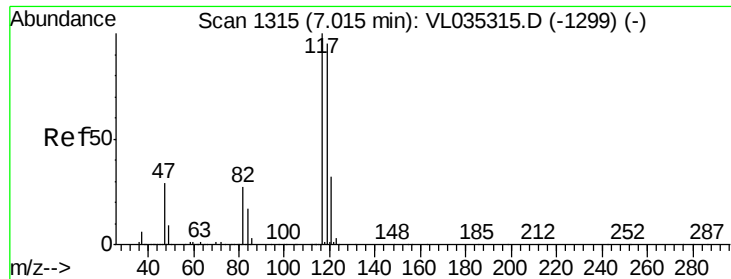
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#34
 2-Butanone
 Concen: 0.441 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.02 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.5	19.2	28.8





#35

Carbon Tetrachloride

Concen: 0.483 ppbv m

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

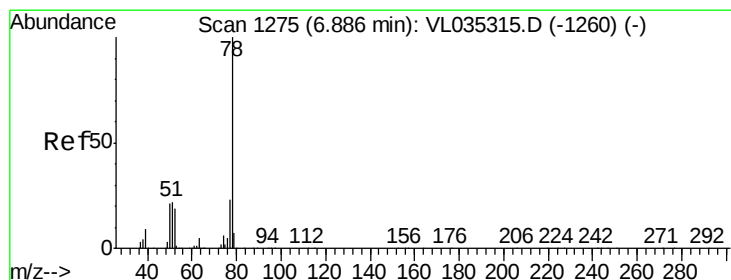
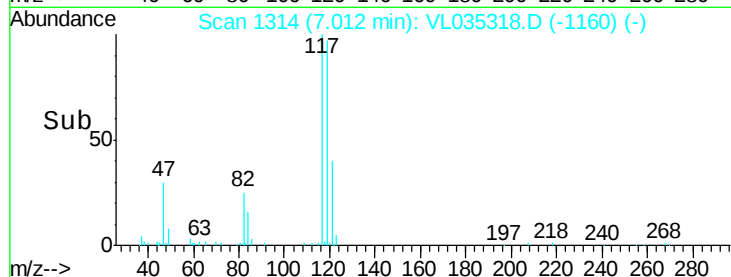
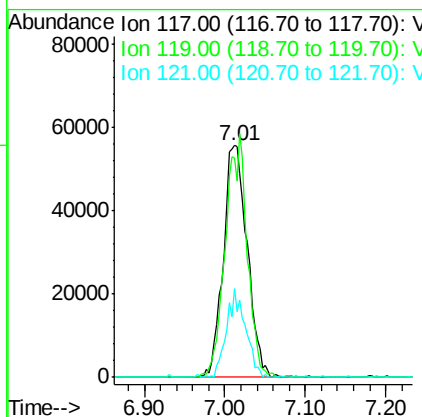
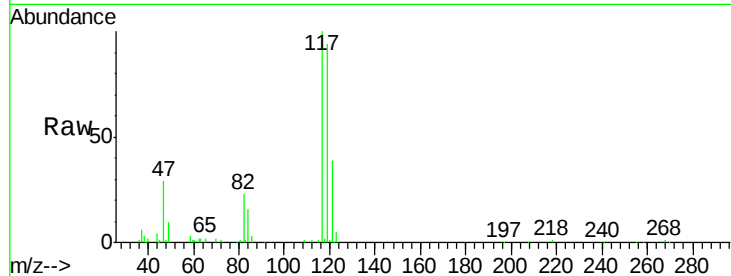
ClientSampleId :

VSTDIC0.5

Tot Ion:	117	Resp:	116321
Ion Ratio	Lower	Upper	
117	100		
119	94.4	76.1	114.1
121	38.5	25.6	38.4#

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#36

Benzene

Concen: 0.446 ppbv

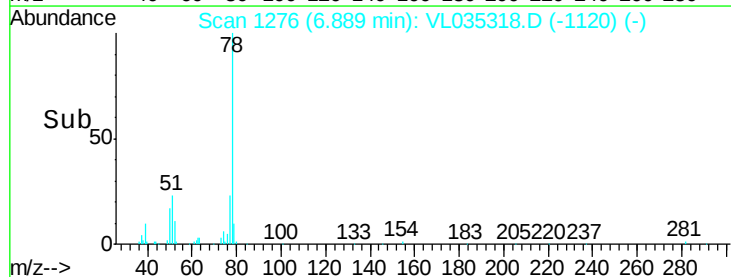
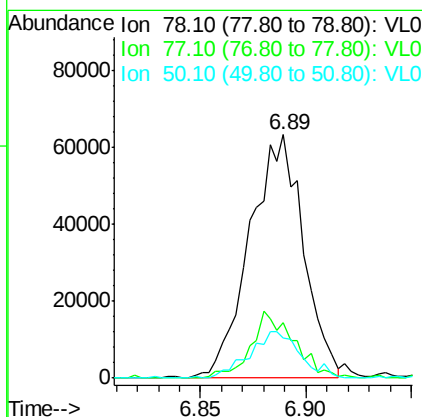
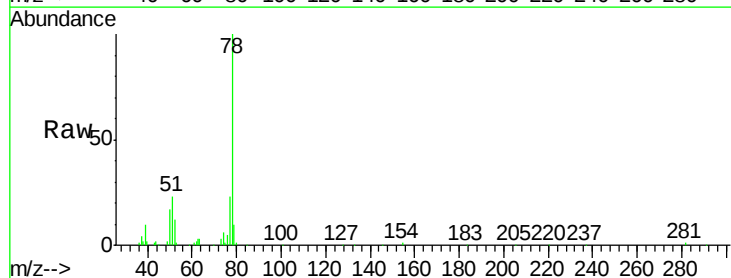
RT: 6.89 min Scan# 1276

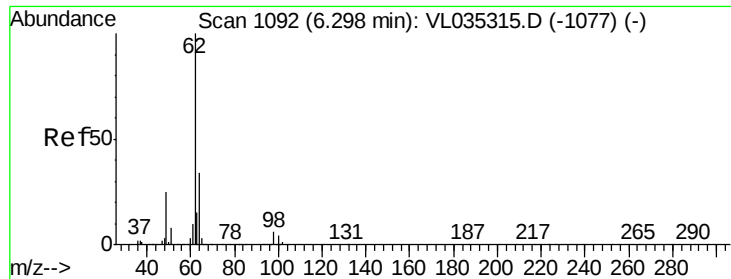
Delta R.T. 0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Tgt Ion:	78	Resp:	111578
Ion Ratio	Lower	Upper	
78	100		
77	22.8	18.4	27.6
50	16.6	16.6	25.0#





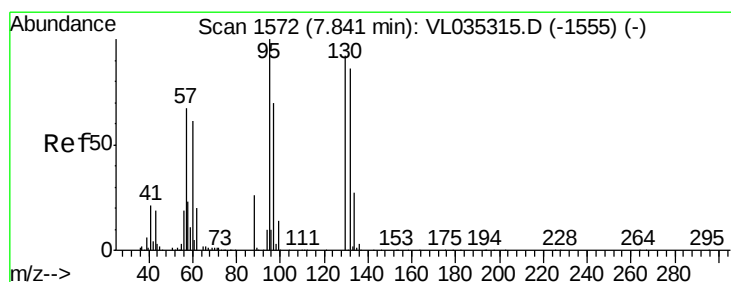
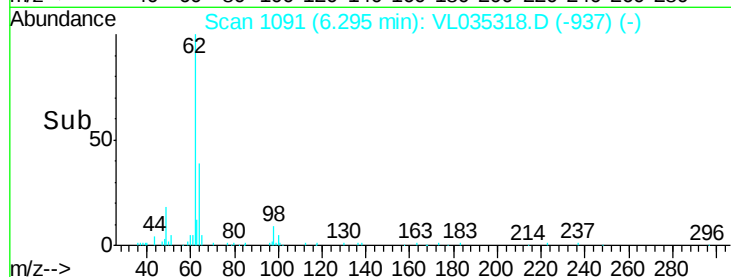
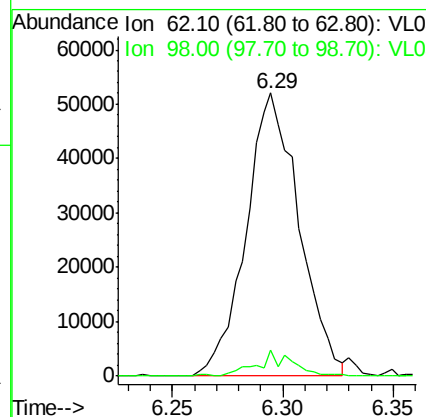
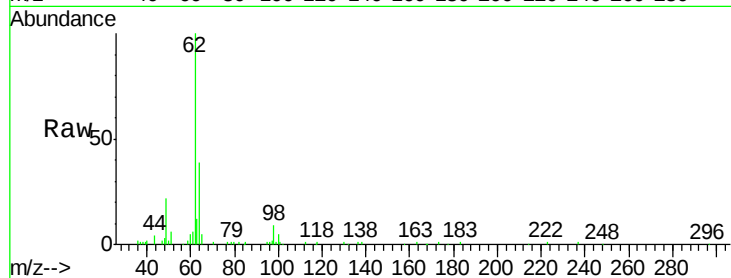
#37
 1,2-Dichloroethane
 Concen: 0.498 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.6	7.0

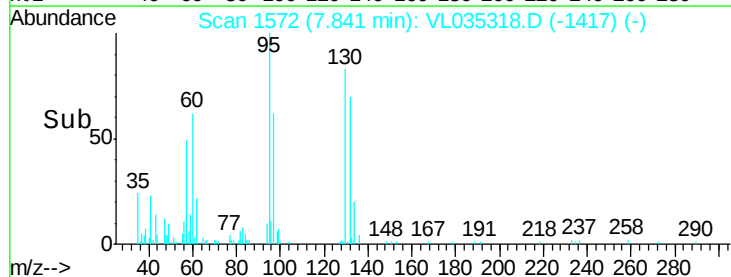
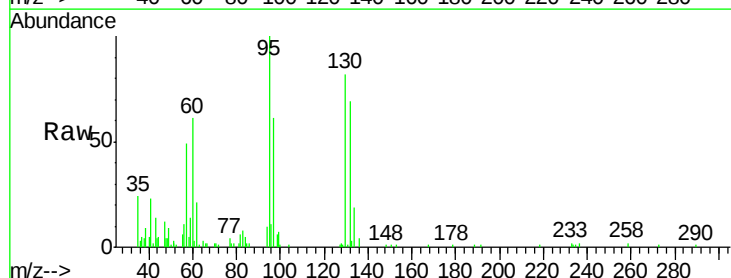
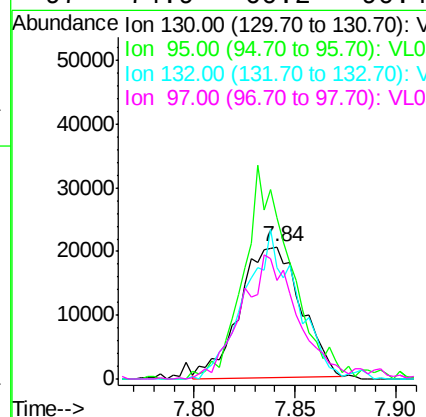
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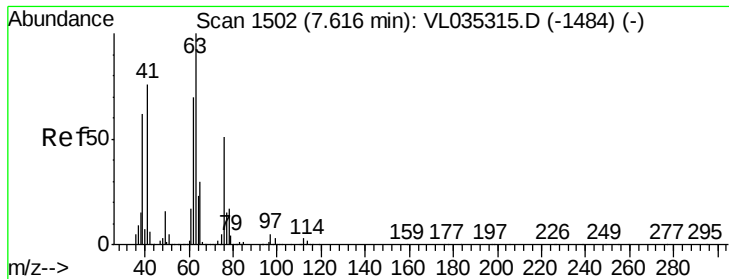
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#38
 Trichloroethene
 Concen: 0.418 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.3	86.3	129.5
132	84.5	74.2	111.2
97	74.9	60.2	90.4





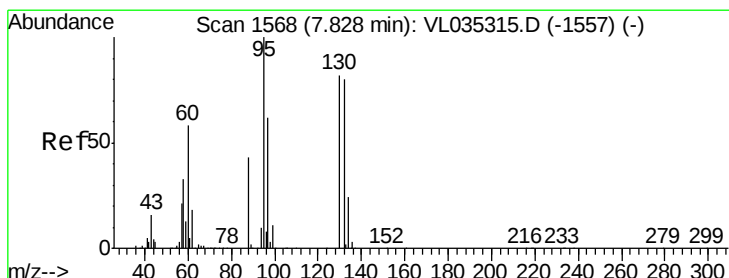
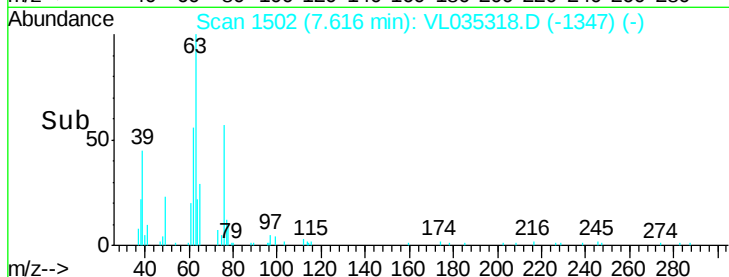
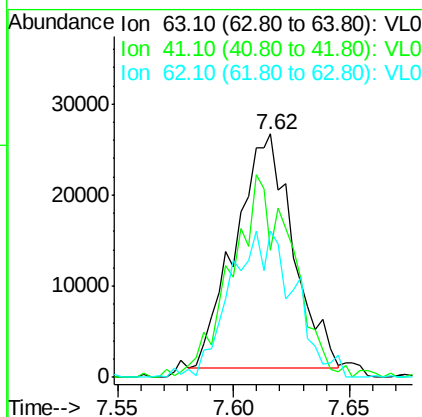
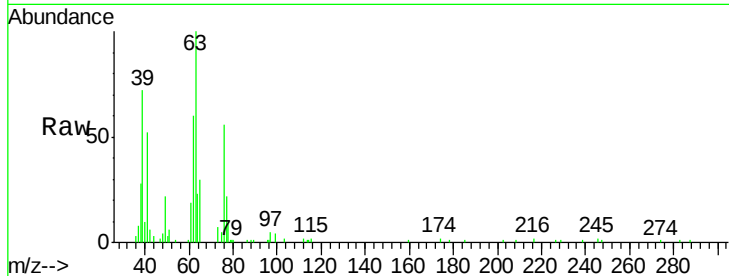
#39
 1,2-Dichloropropane
 Concen: 0.445 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	52.0	61.0	91.4#
62	54.6	55.8	83.8#

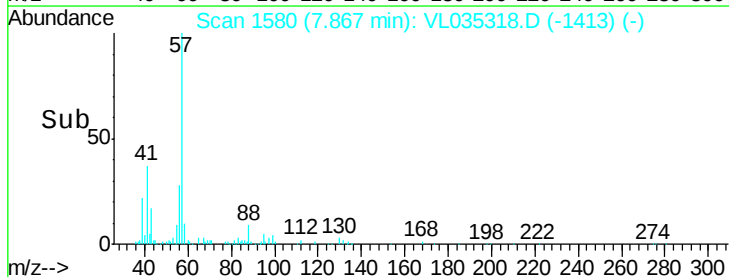
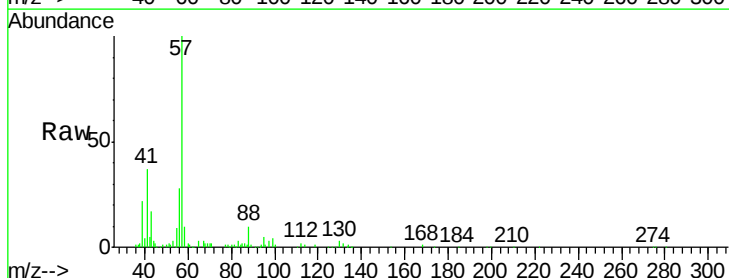
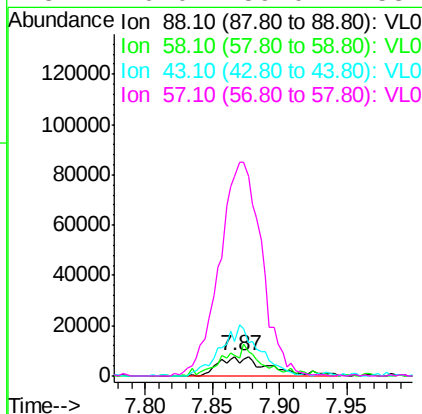
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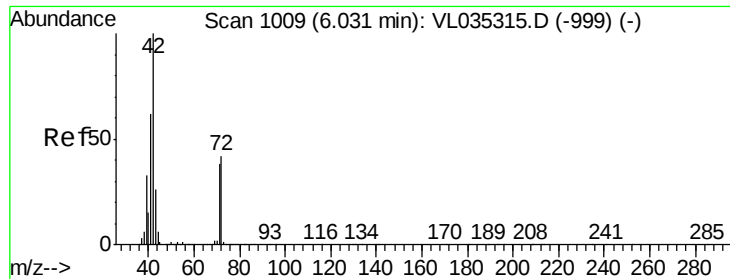
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#40
 1,4-Dioxane
 Concen: 0.514 ppbv m
 RT: 7.87 min Scan# 1580
 Delta R.T. 0.04 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	95.4	143.2#
43	0.0	172.7	259.1#
57	0.0	759.0	1138.4#





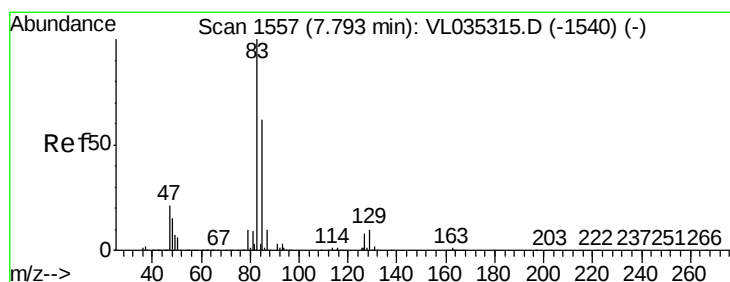
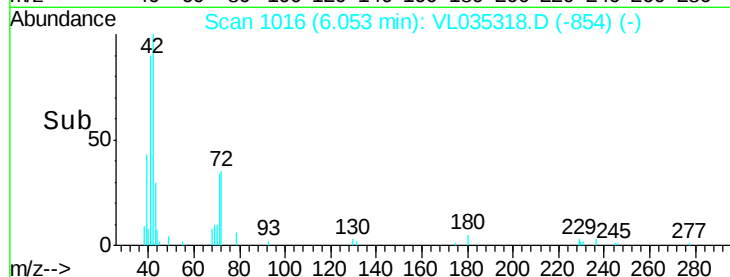
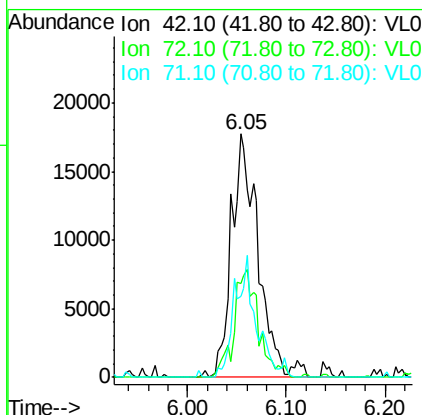
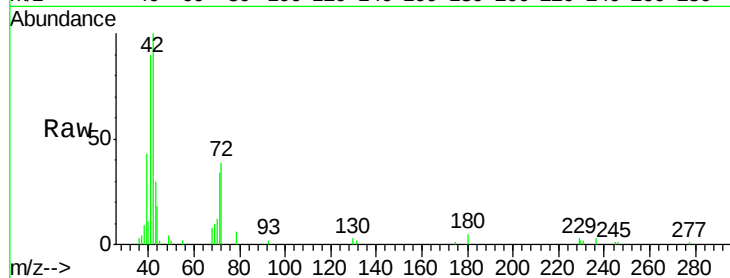
#41
Tetrahydrofuran
Concen: 0.381 ppbv m
RT: 6.05 min Scan# 1016
Delta R.T. 0.02 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.8	50.8#
71	0.0	32.7	49.1#

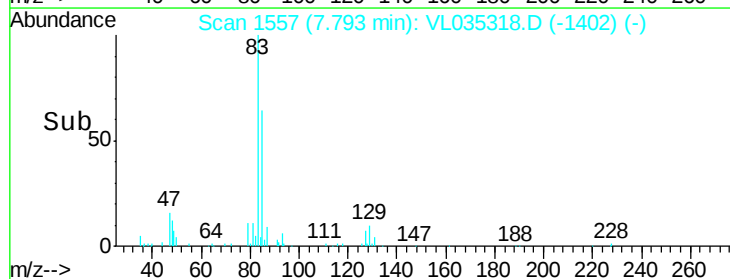
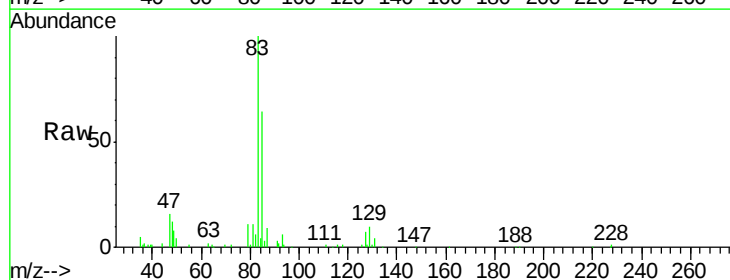
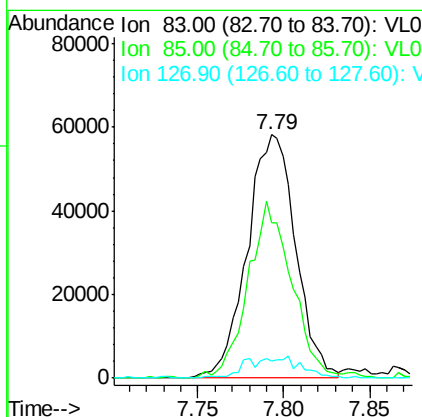
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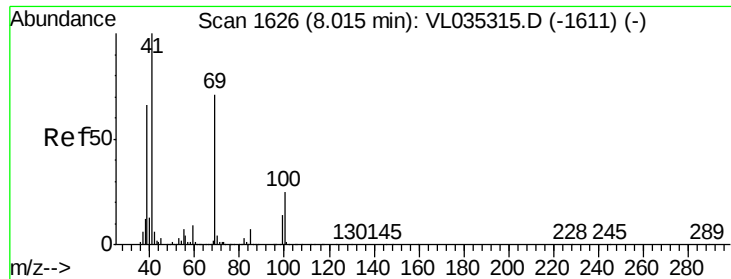
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#42
Bromodichloromethane
Concen: 0.486 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	49.9	74.9
127	6.8	6.6	10.0





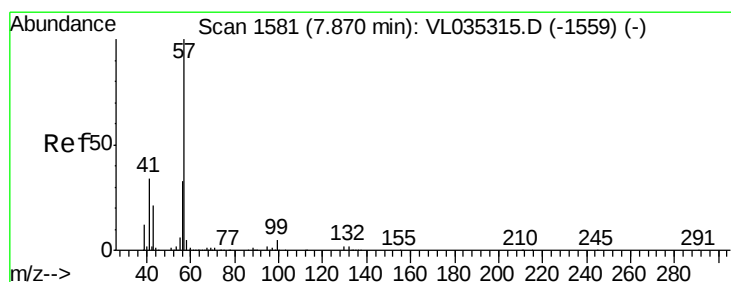
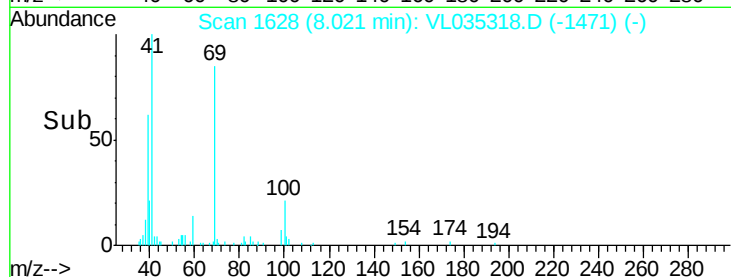
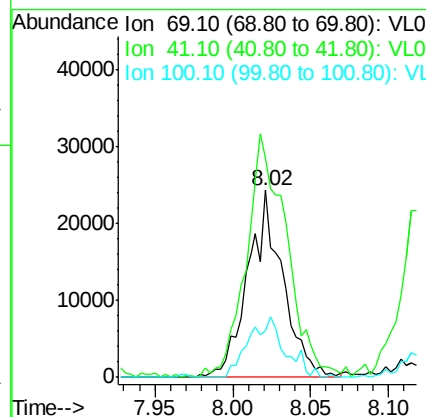
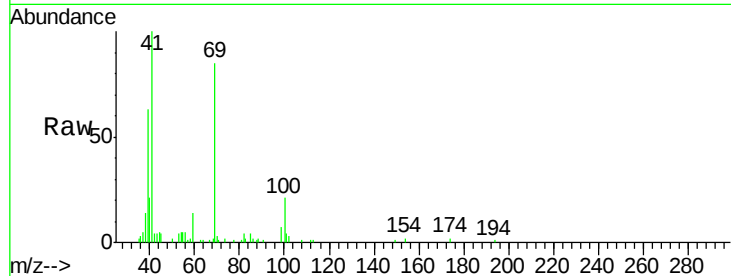
#43
Methvl Methacrylate
Concen: 0.351 ppbv m
RT: 8.02 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	110.9	166.3#
100	0.0	26.0	39.0#

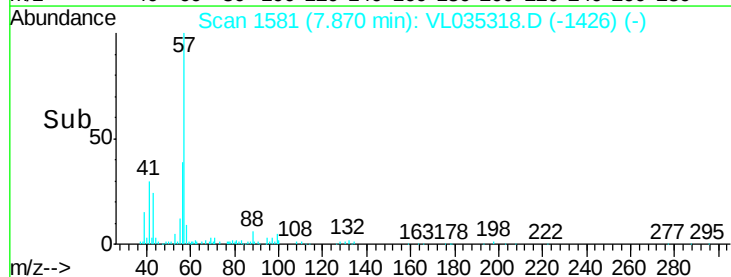
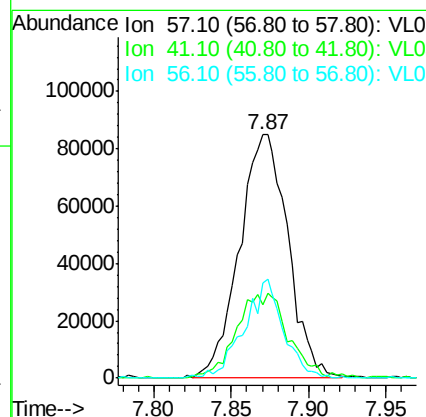
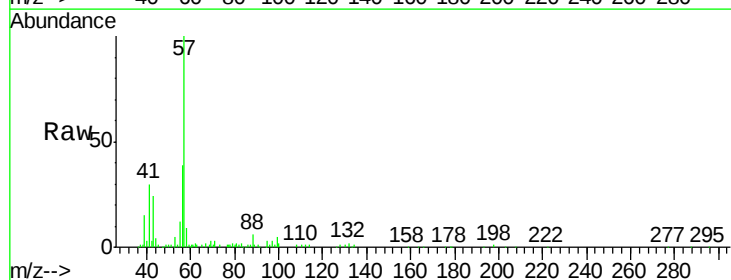
Manual Integrations
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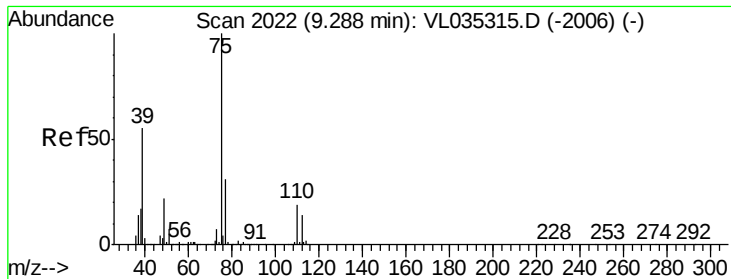
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#44
2,2,4-Trimethylpentane
Concen: 0.416 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
57	100		
41	38.5	26.7	40.1
56	33.4	25.4	38.0





#45

t-1,3-Dichloropropene

Concen: 0.357 ppbv m

RT: 9.28 min Scan# 2020

Delta R.T. -0.01 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Tot Ion: 75 Resp: 38947

Ion Ratio Lower Upper

75 100

77 26.9 24.6 37.0

Instrument :

MSVOA_L

ClientSampleId :

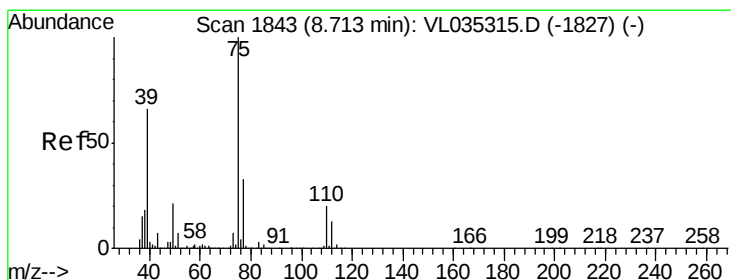
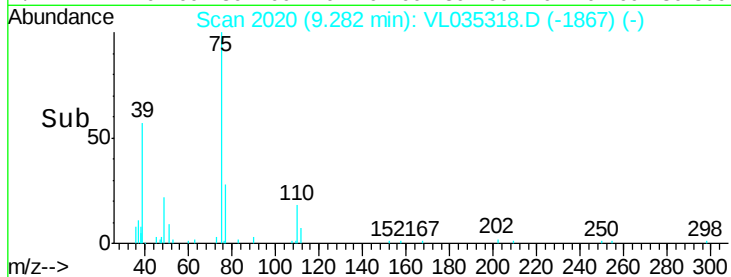
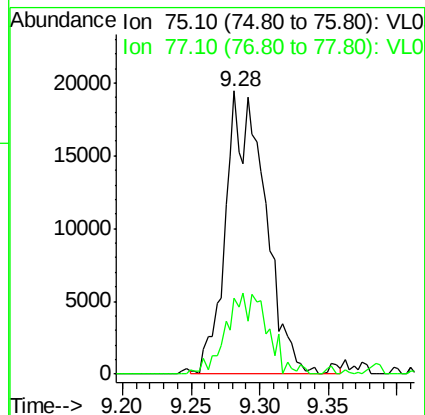
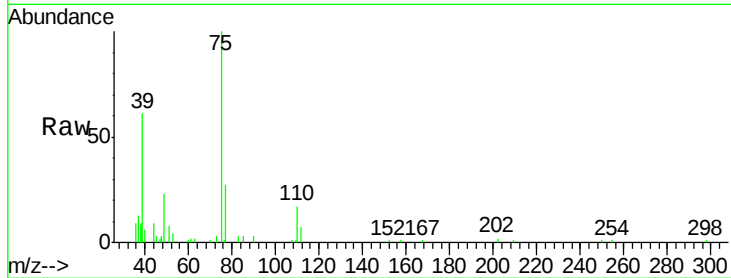
VSTDIC0.5

Manual Integrations

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#46

cis-1,3-Dichloropropene

Concen: 0.356 ppbv m

RT: 8.71 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

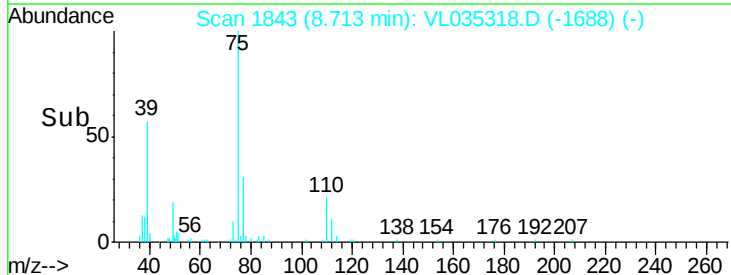
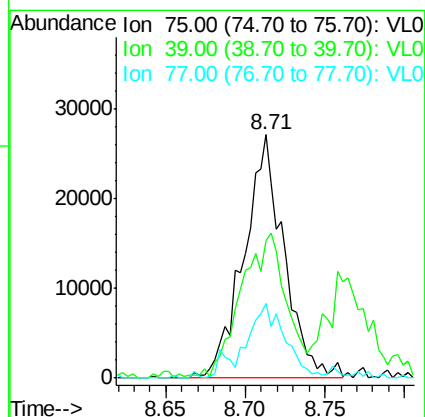
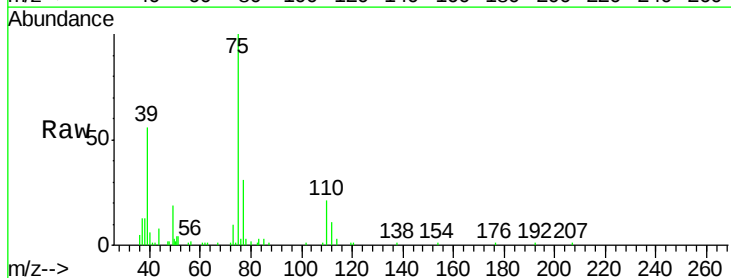
Tgt Ion: 75 Resp: 47406

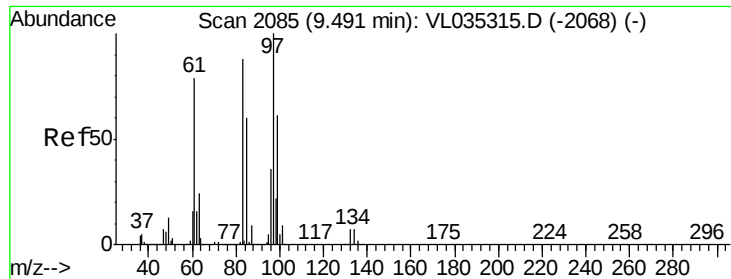
Ion Ratio Lower Upper

75 100

39 56.3 52.6 79.0

77 30.7 26.5 39.7





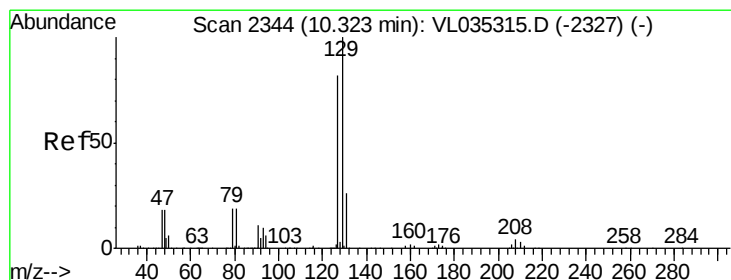
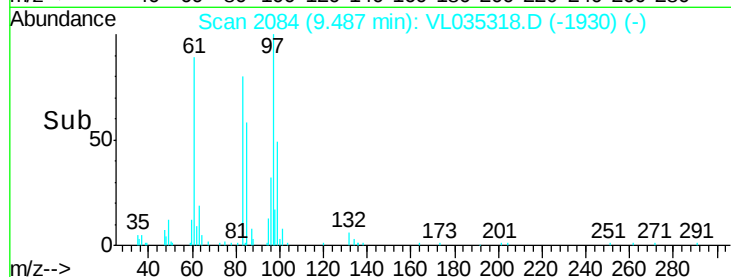
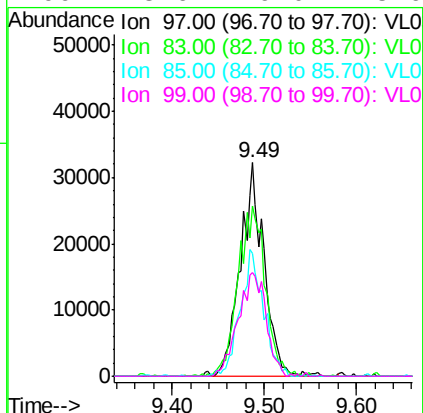
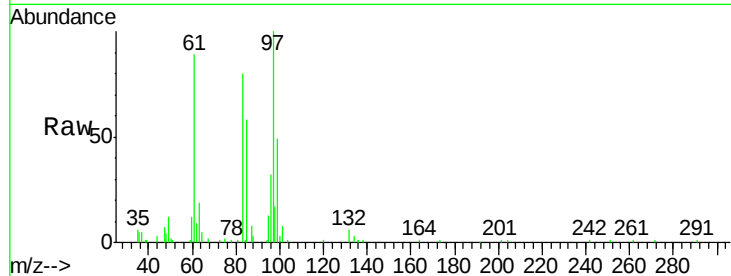
#47
 1,1,2-Trichloroethane
 Concen: 0.493 ppbv m
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.00 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	80.0	70.6	105.8	
85	57.7	47.8	71.8	
99	48.6	49.0	73.6	

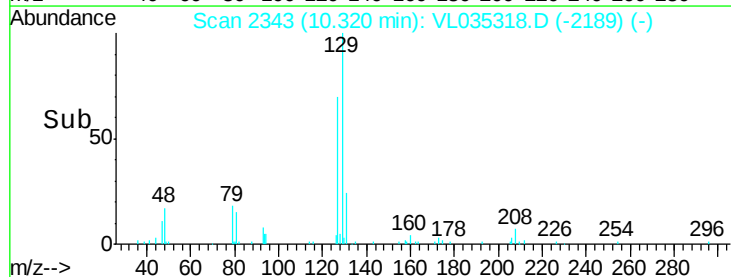
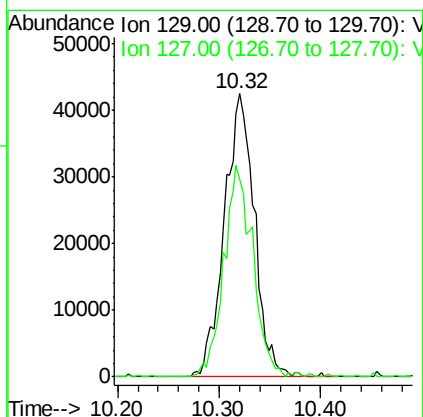
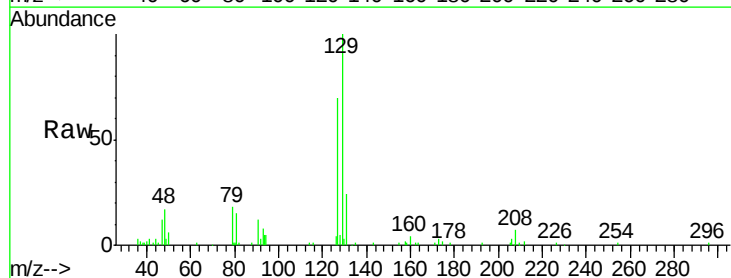
Manual Integrations
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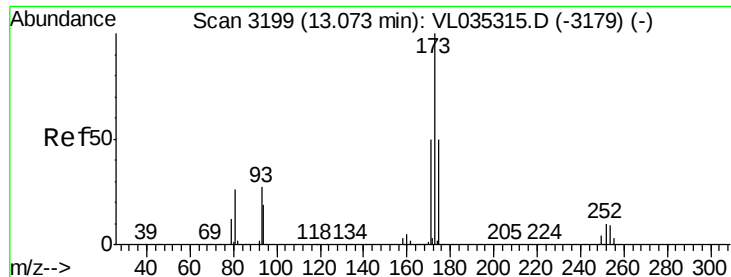
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#48
 Dibromochloromethane
 Concen: 0.469 ppbv m
 RT: 10.32 min Scan# 2343
 Delta R.T. -0.00 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	72.5	39.0	117.0	





#49

Bromoform

Concen: 0.417 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

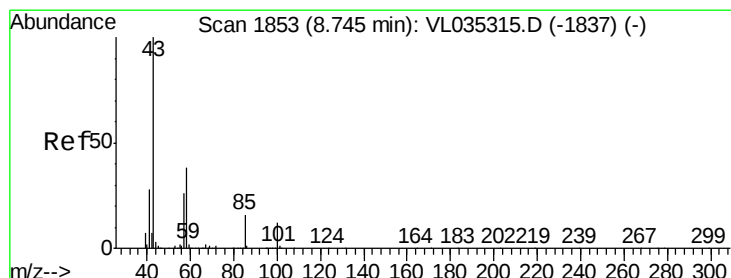
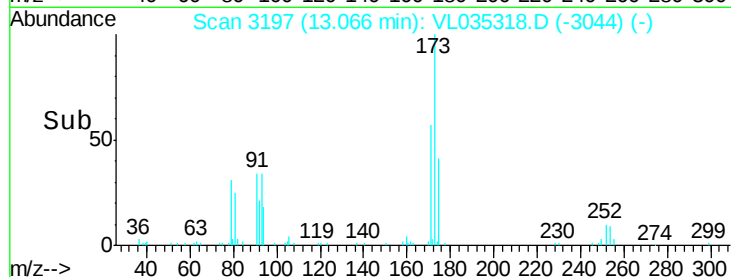
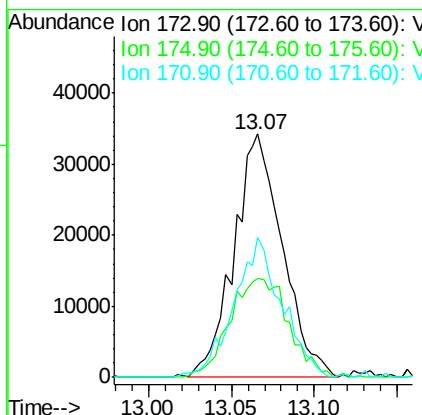
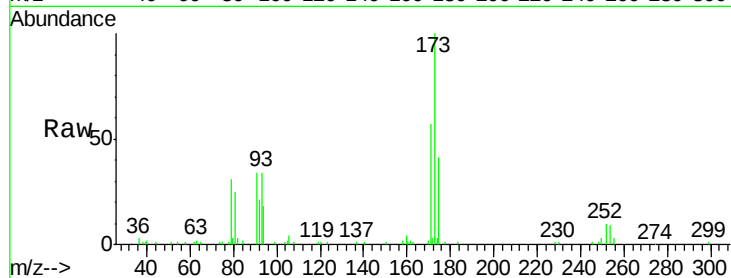
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	69614
Ion Ratio	Lower	Upper	
173	100		
175	49.6	39.8	59.6
171	57.4	42.0	63.0

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#50

4-Methyl-2-Pentanone

Concen: 0.375 ppbv m

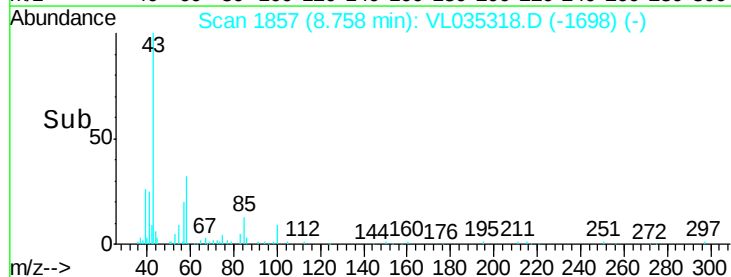
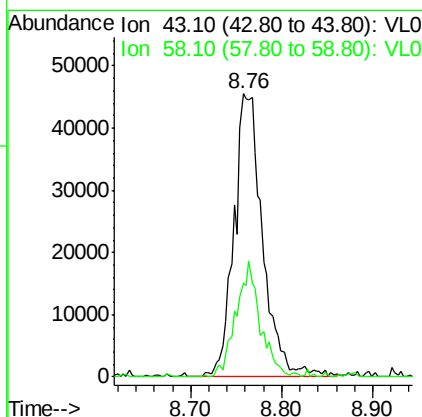
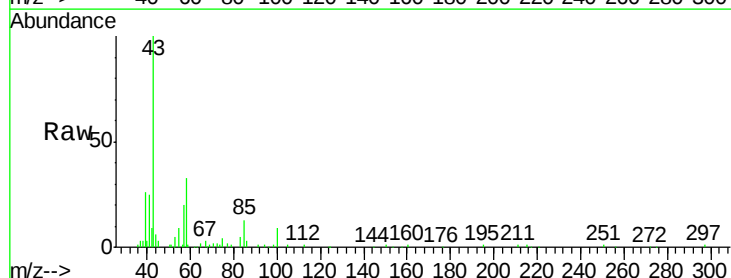
RT: 8.76 min Scan# 1857

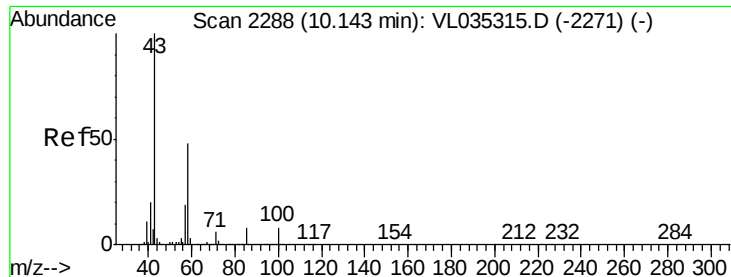
Delta R.T. 0.01 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Tgt Ion:	43	Resp:	99428
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.8	44.6#





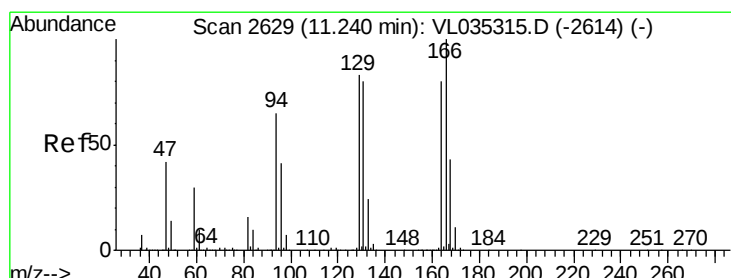
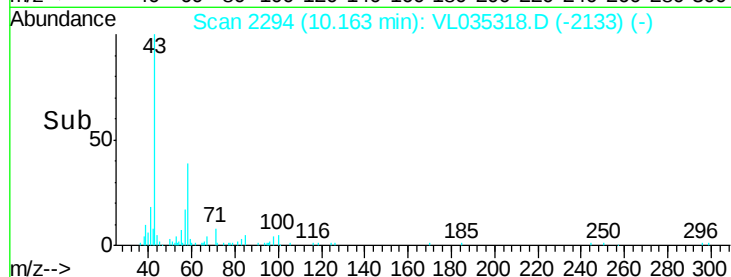
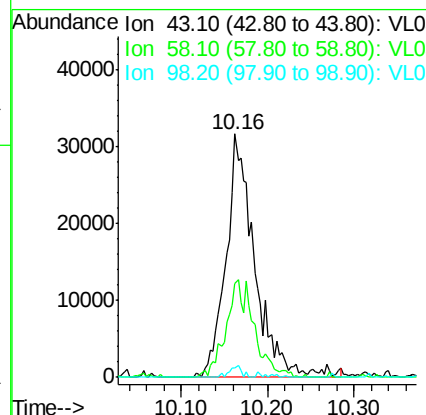
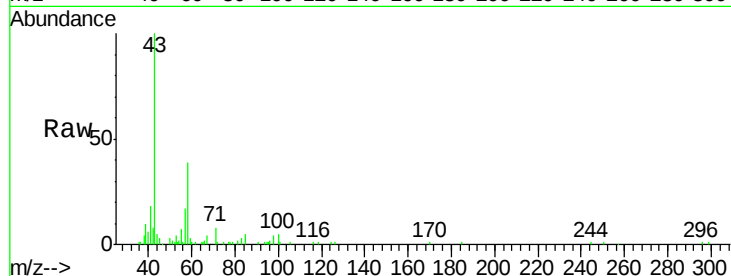
#51
2-Hexanone
Concen: 0.364 ppbv m
RT: 10.16 min Scan# 2294
Delta R.T. 0.02 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.0	39.8	59.6#
98	2.0	0.3	0.5#

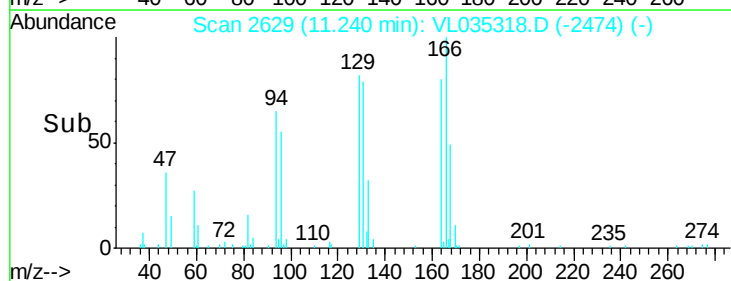
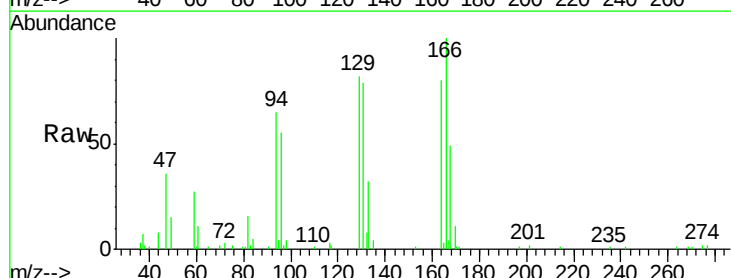
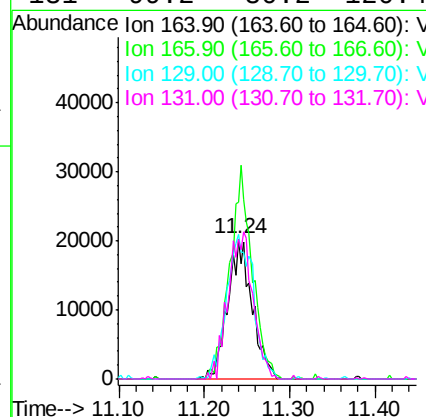
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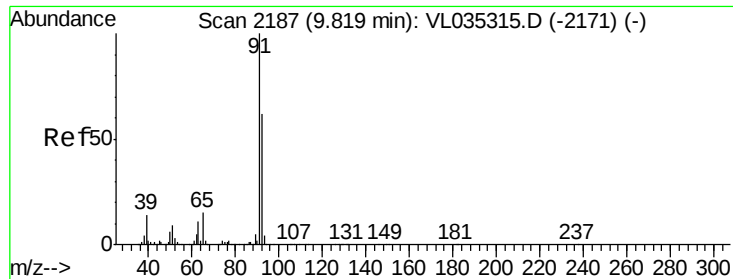
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#52
Tetrachloroethene
Concen: 0.416 ppbv m
RT: 11.24 min Scan# 2629
Delta R.T. -0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.2	150.2
129	103.5	82.7	124.1
131	99.2	80.2	120.4





#53

Toluene

Concen: 0.347 ppbv m

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 92312

Ion Ratio Lower Upper

91 100

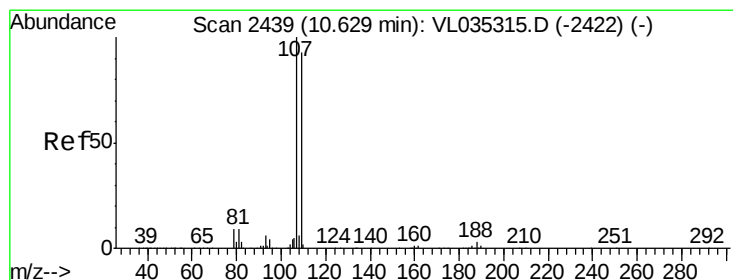
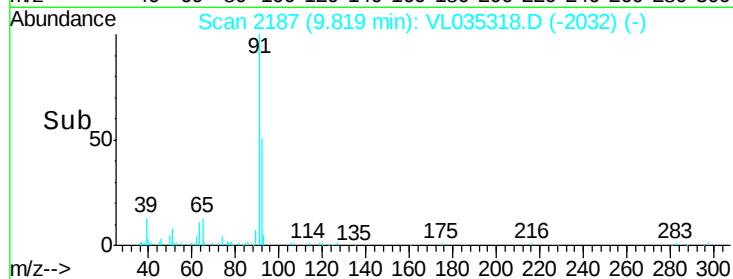
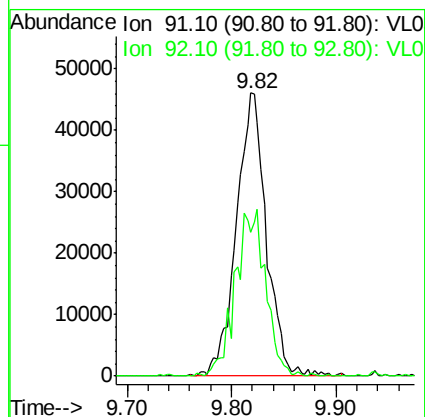
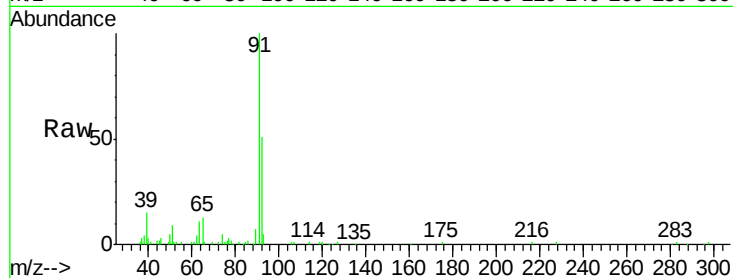
92 59.4 48.7 73.1

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#54

1,2-Dibromoethane

Concen: 0.460 ppbv m

RT: 10.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL035318.D

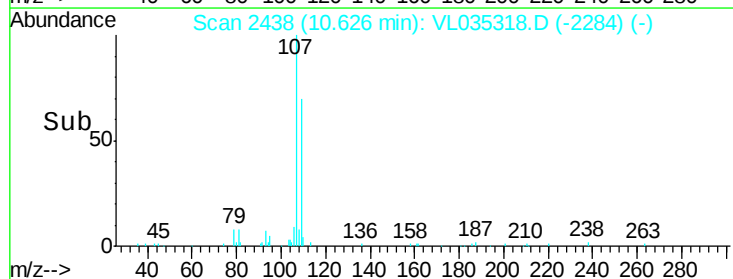
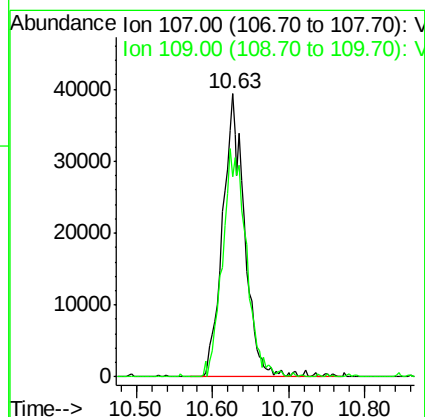
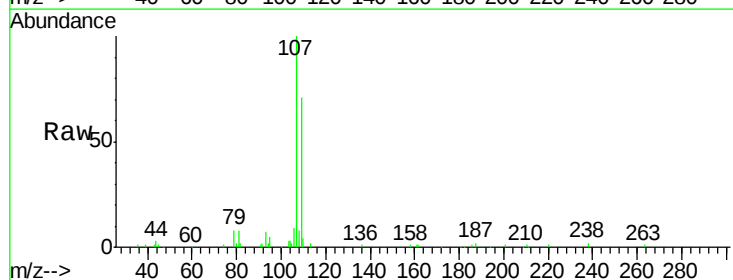
Acq: 3 Aug 2020 14:14

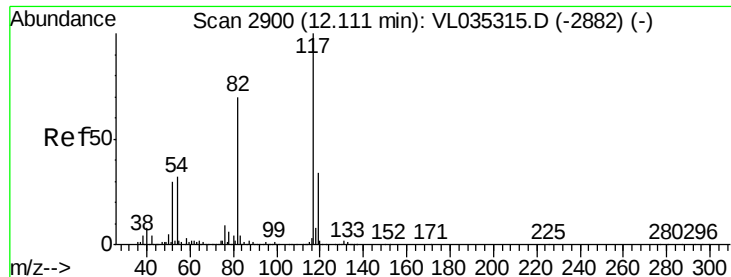
Tgt Ion: 107 Resp: 78400

Ion Ratio Lower Upper

107 100

109 70.8 74.4 111.6#





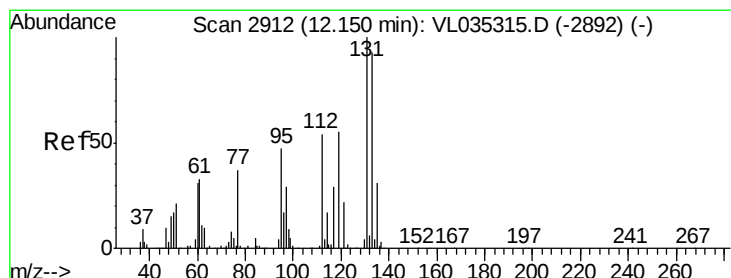
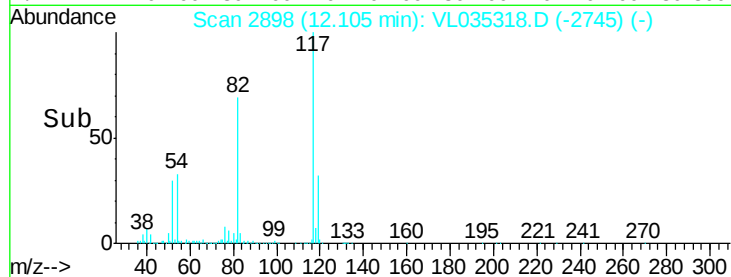
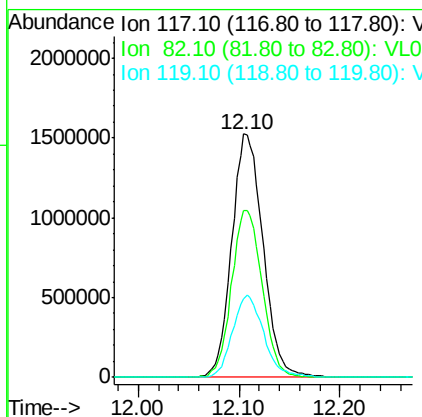
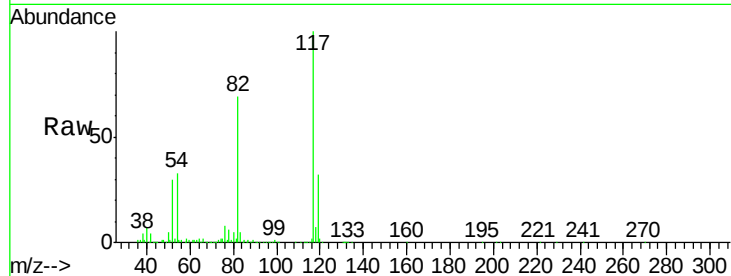
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 3287264
Ion Ratio Lower Upper
117 100
82 67.4 50.6 76.0
119 33.8 24.1 36.1

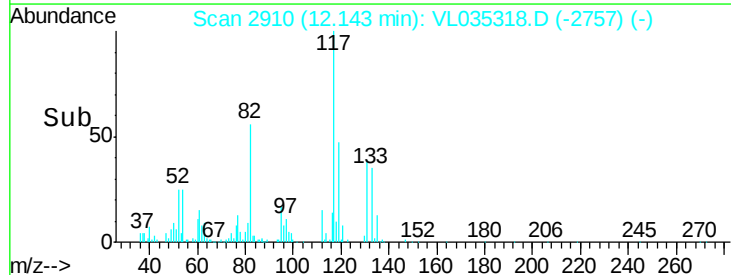
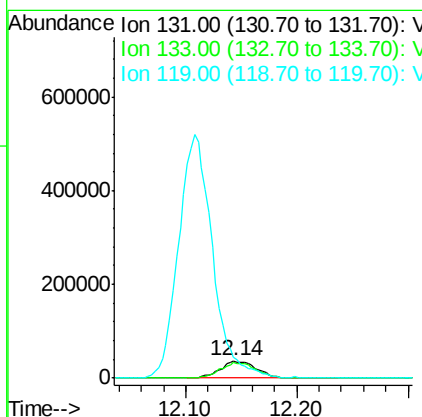
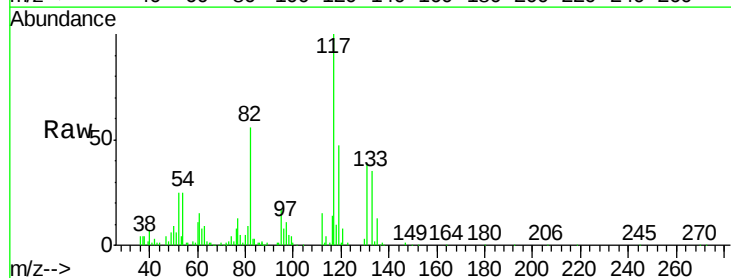
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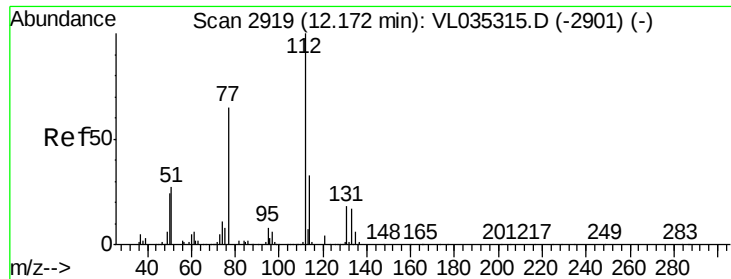
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.538 ppbv m
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Tgt Ion:131 Resp: 81249
Ion Ratio Lower Upper
131 100
133 88.8 75.5 113.3
119 1368.5 53.1 79.7#





#57

Chlorobenzene

Concen: 0.512 ppbv m

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

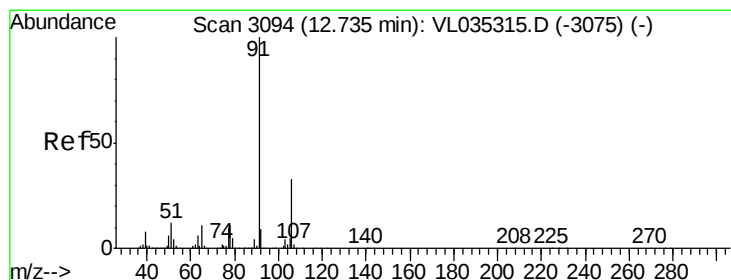
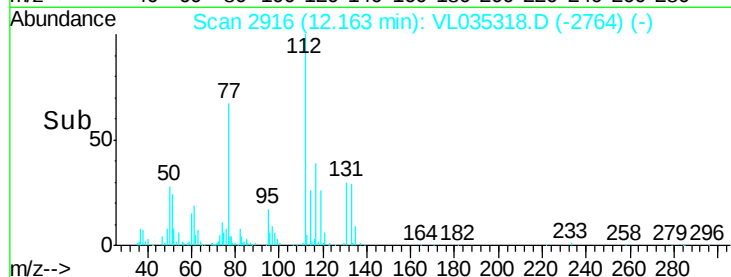
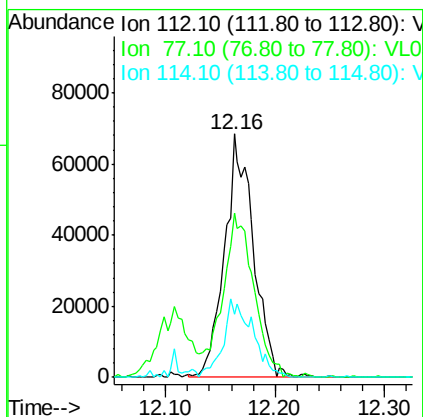
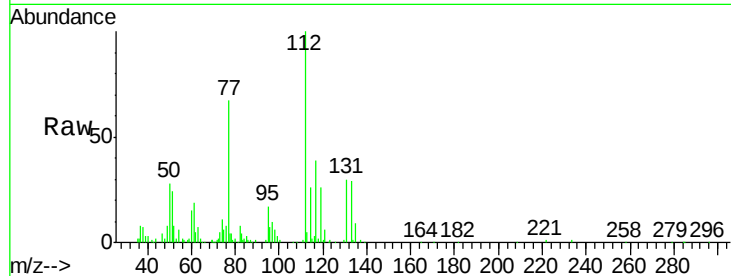
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	67.4	53.0	79.6
114	26.1	30.0	36.6

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#58

Ethyl Benzene

Concen: 0.354 ppbv

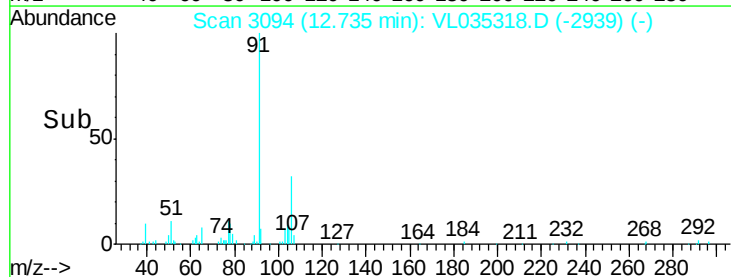
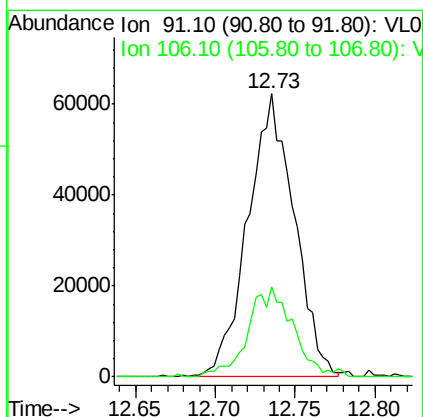
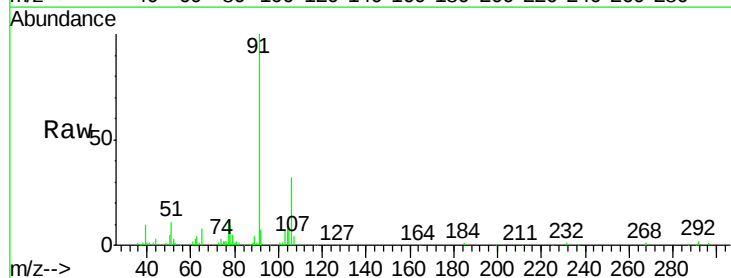
RT: 12.73 min Scan# 3094

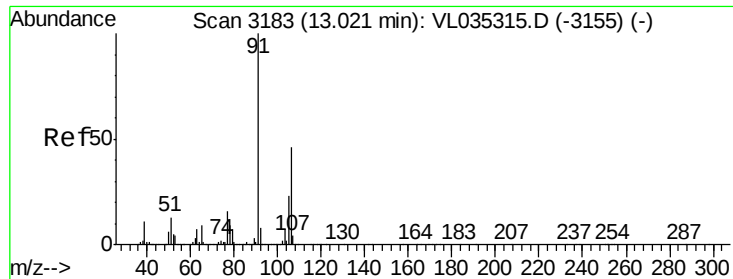
Delta R.T. -0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	26.3	39.5





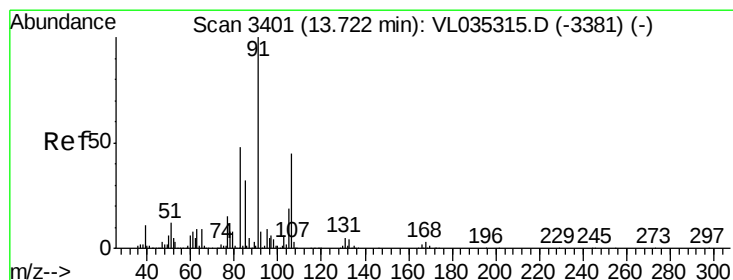
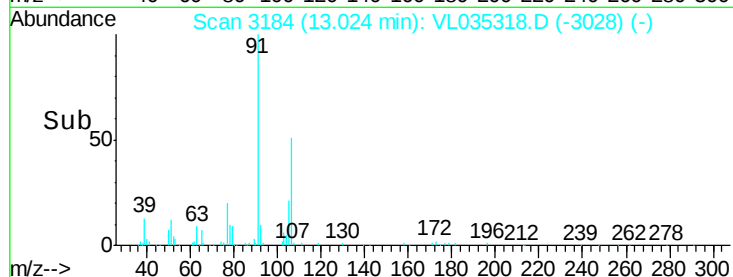
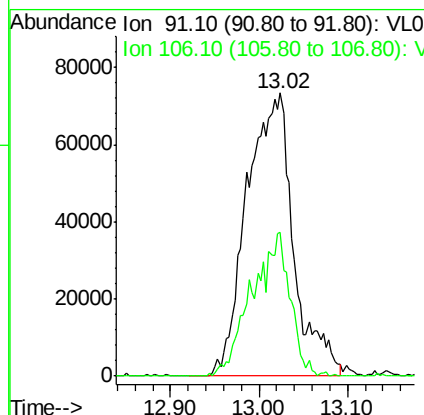
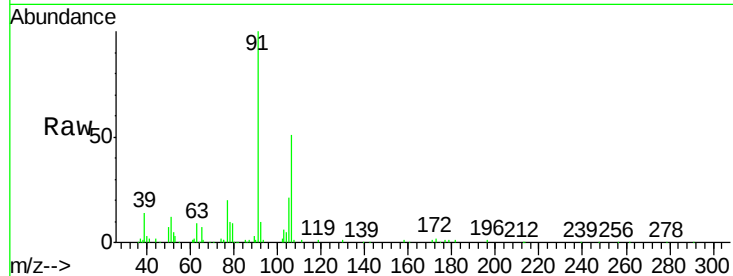
#59
m/p-Xylene
Concen: 0.828 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 268244
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

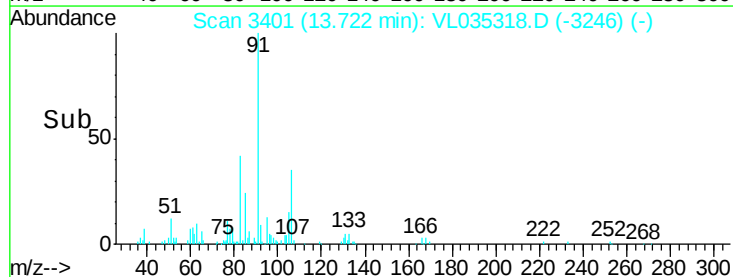
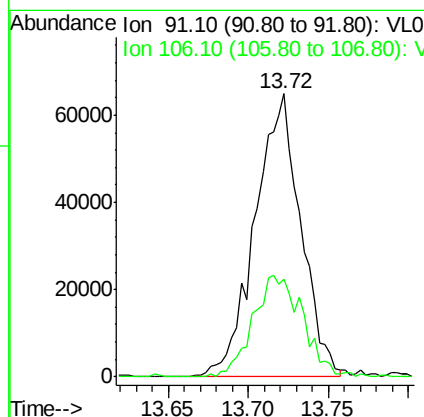
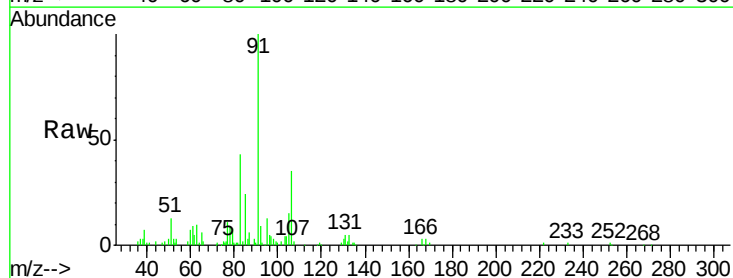
Manual Integrations
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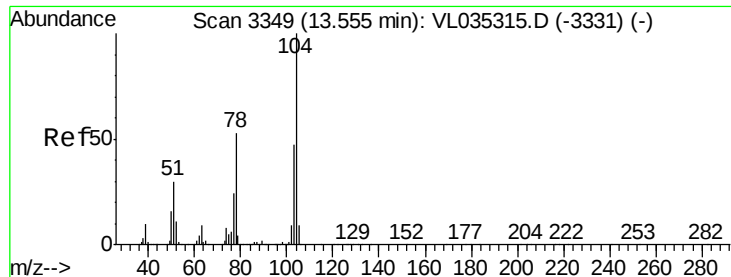
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#60
o-Xylene
Concen: 0.394 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Tgt Ion: 91 Resp: 127437
Ion Ratio Lower Upper
91 100
106 39.2 22.4 67.3





#61

Stvrene

Concen: 0.309 ppbv m

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

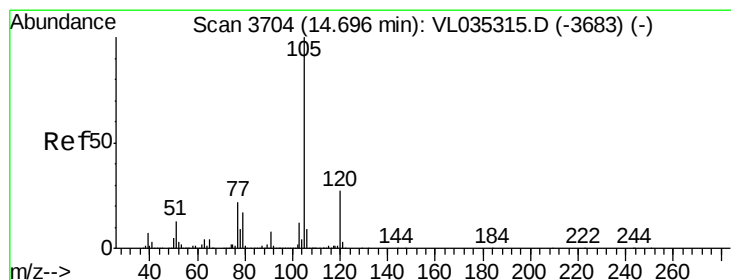
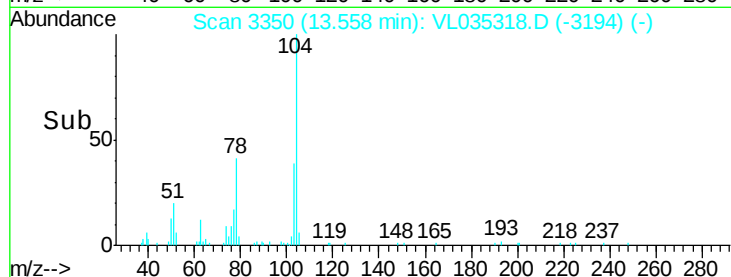
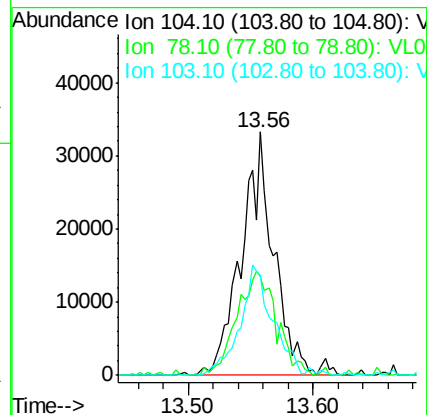
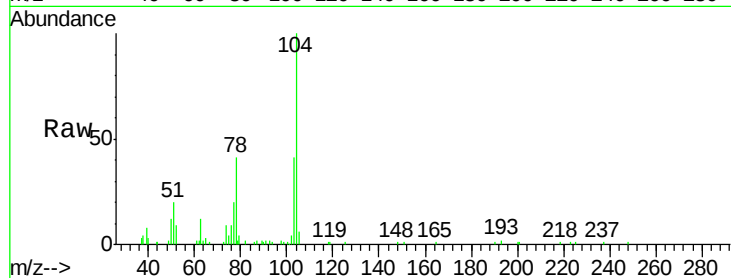
ClientSampleId :

VSTDIC0.5

Tot Ion:	104	Resp:	60612
Ion Ratio	Lower	Upper	
104	100		
78	0.0	43.1	64.7#
103	46.3	37.6	56.4

Manual Integrations
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#62

Isopropylbenzene

Concen: 0.429 ppbv

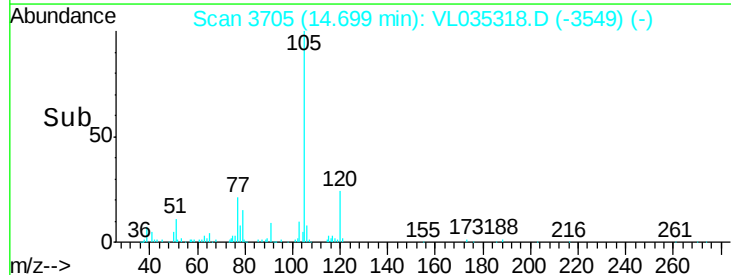
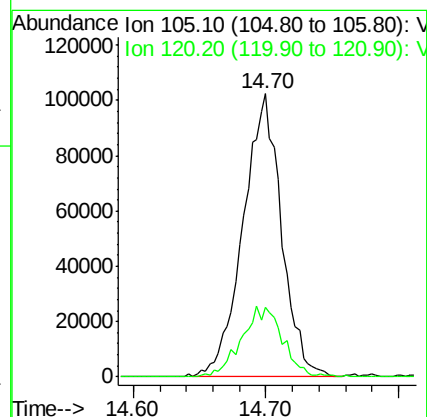
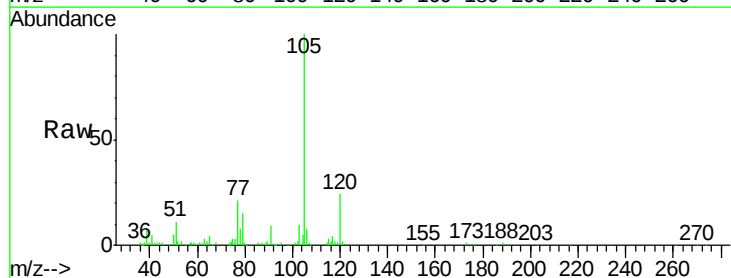
RT: 14.70 min Scan# 3705

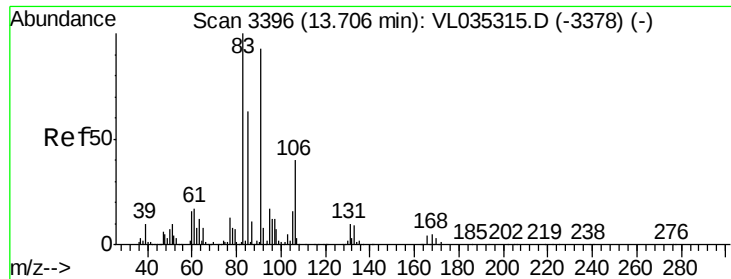
Delta R.T. 0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Tgt Ion:	105	Resp:	206254
Ion Ratio	Lower	Upper	
105	100		
120	26.6	21.0	31.4





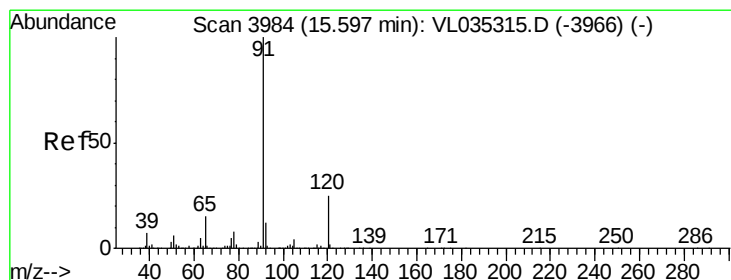
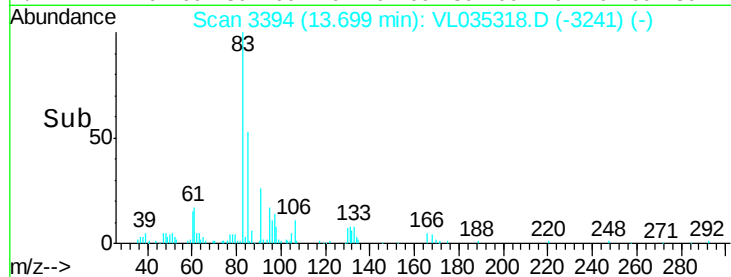
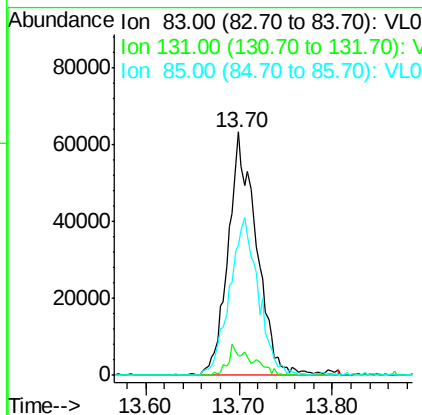
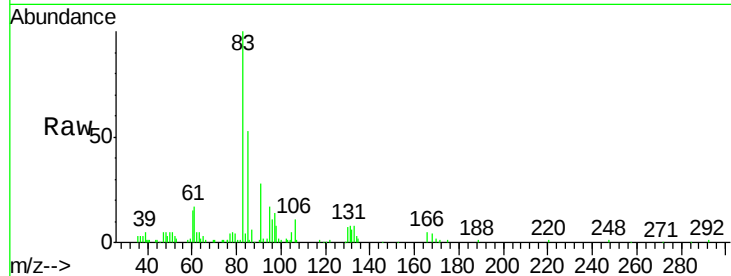
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.484 ppbv m
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.9	4.6	13.8	
85	0.0	32.6	97.7#	

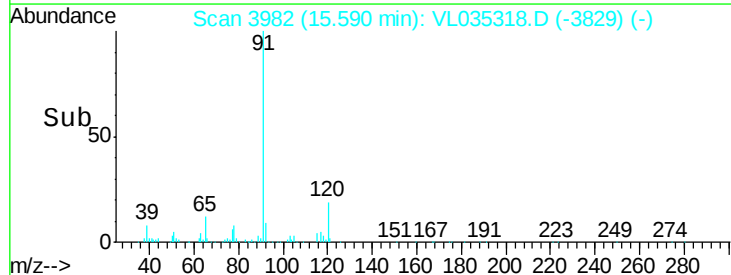
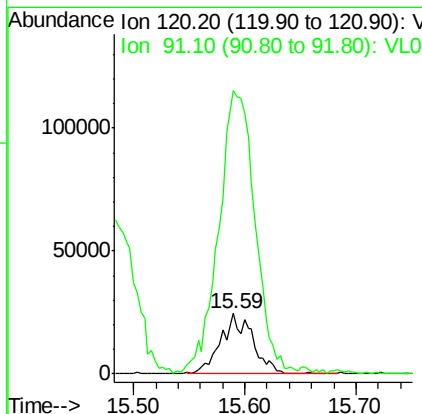
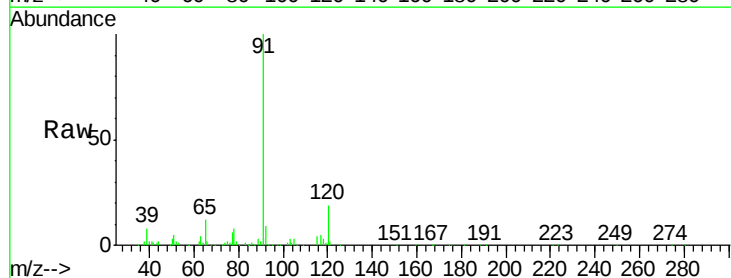
Manual Integrations
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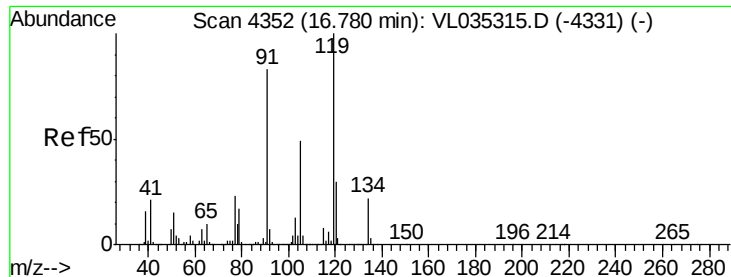
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#64
 n-propylbenzene
 Concen: 0.383 ppbv m
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.01 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
120	100			
91	542.6	359.3	538.9#	





#65

tert-Butylbenzene

Concen: 0.412 ppbv m

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

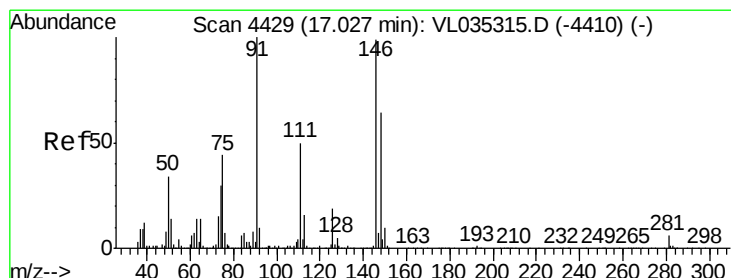
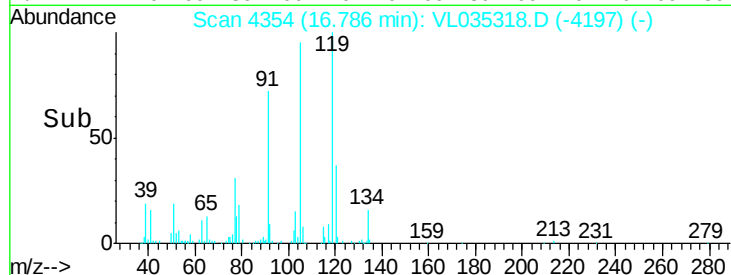
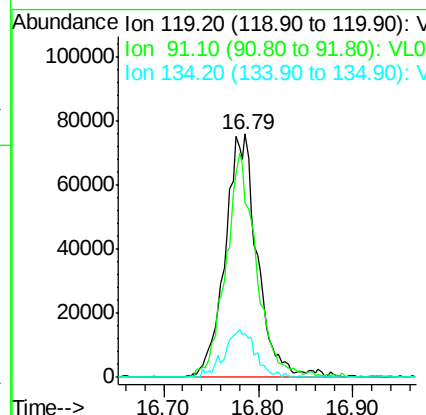
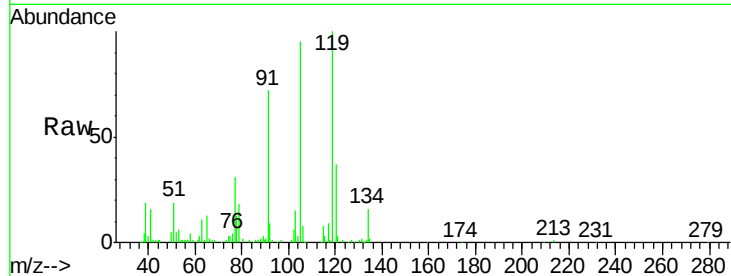
ClientSampled :

VSTDIC0.5

Tot Ion:	119	Resp:	179515
Ion Ratio	Lower	Upper	
119	100		
91	86.7	67.8	101.8
134	18.9	16.1	24.1

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.409 ppbv m

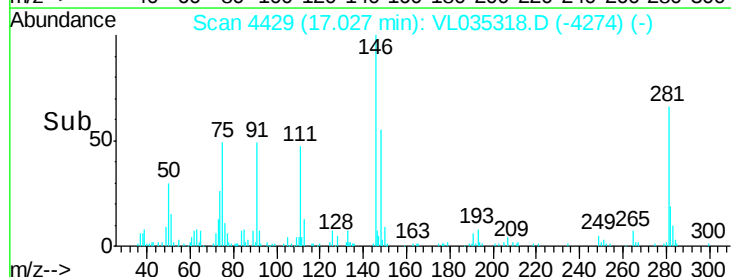
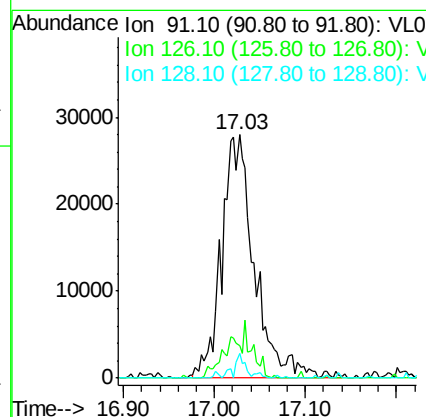
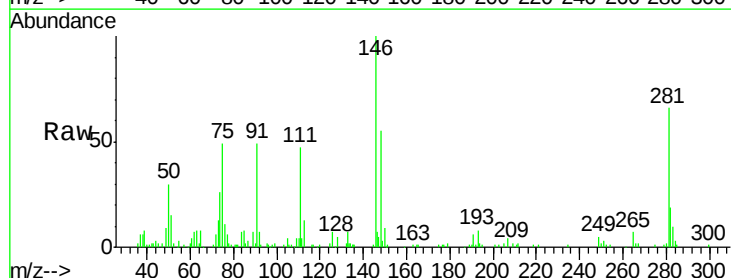
RT: 17.03 min Scan# 4429

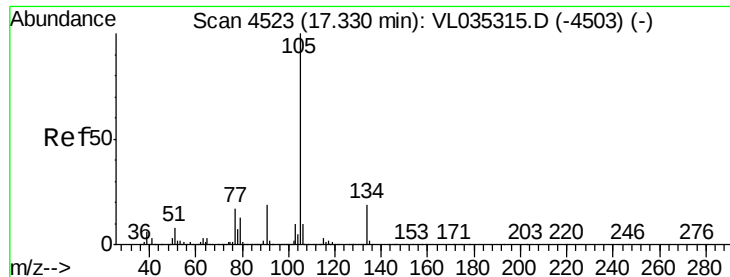
Delta R.T. -0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Tgt Ion:	91	Resp:	69826
Ion Ratio	Lower	Upper	
91	100		
126	0.0	13.8	20.8#
128	0.0	4.2	6.4#





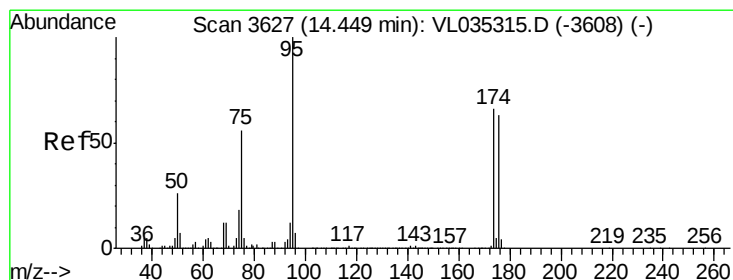
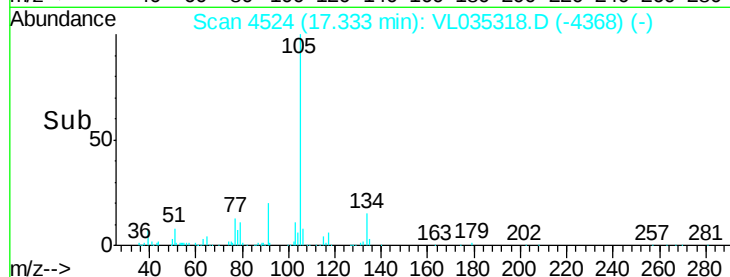
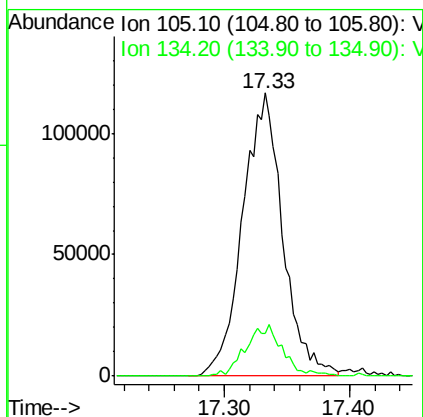
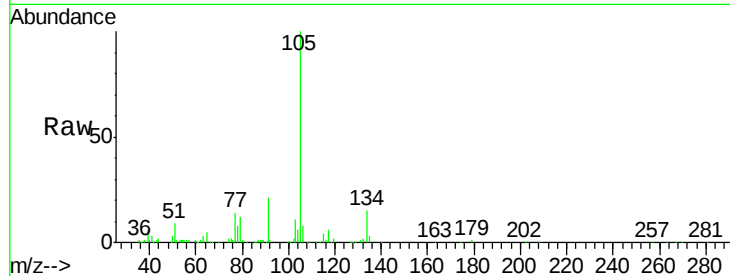
#67
 sec-Butylbenzene
 Concen: 0.405 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.9	15.1	22.7

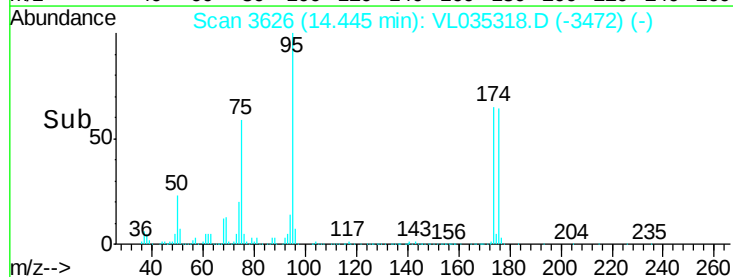
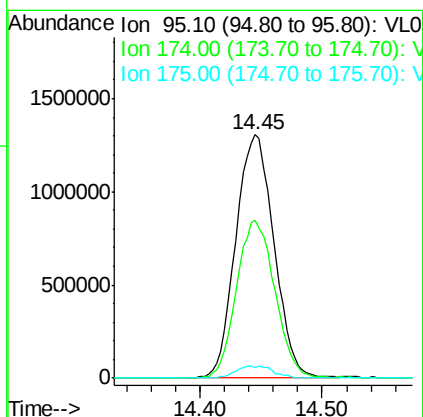
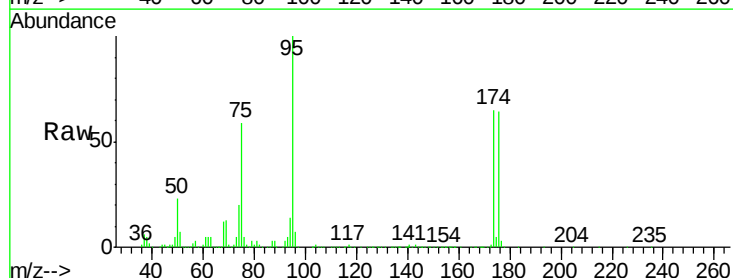
Manual Integrations
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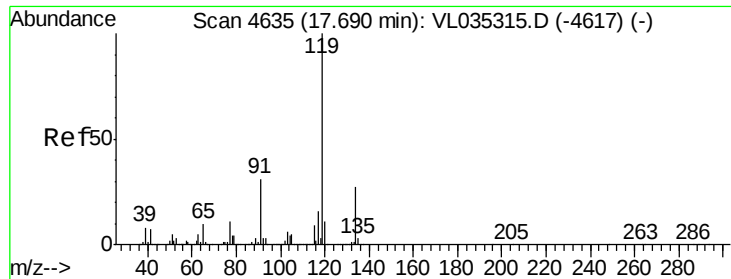
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.778 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.7	52.5	78.7
175	4.9	3.9	5.9





#69

p-Isopropyltoluene

Concen: 0.393 ppbv m

RT: 17.69 min Scan# 4636

Delta R.T. 0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

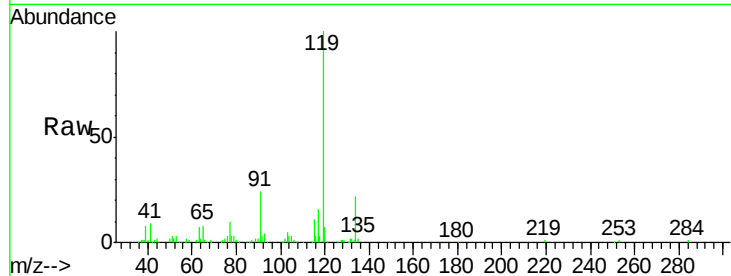
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	204350
Ion Ratio	Lower	Upper	
119	100		
134	23.4	21.2	31.8
91	32.0	25.3	37.9

Manual Integrations
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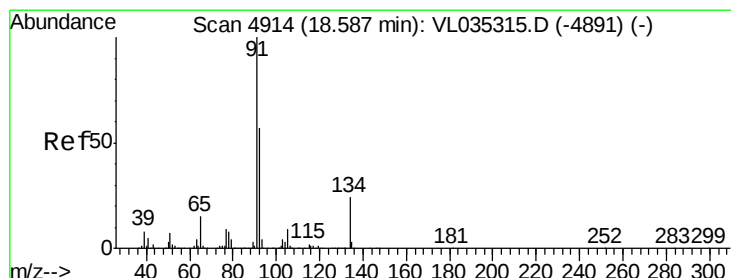
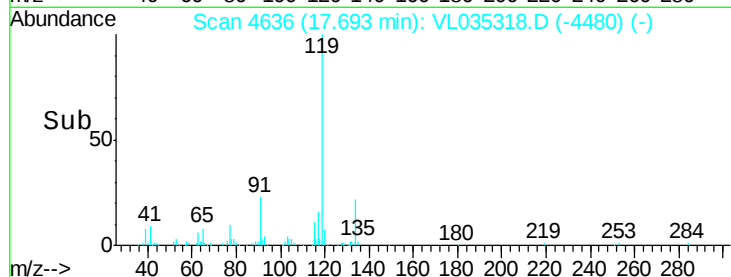
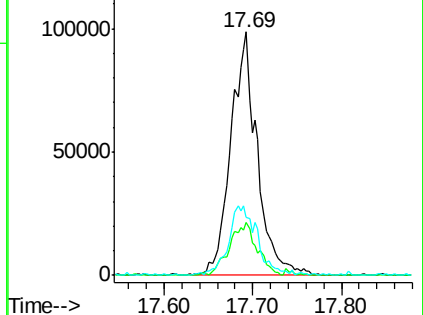
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.399 ppbv m

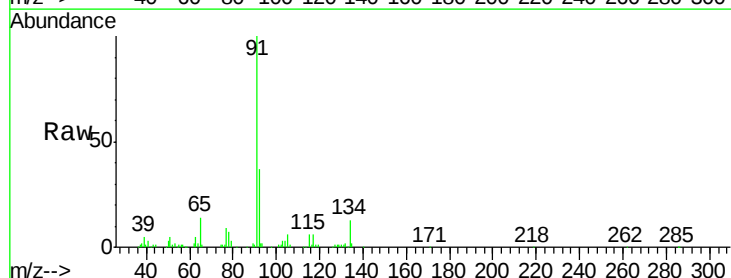
RT: 18.59 min Scan# 4915

Delta R.T. 0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

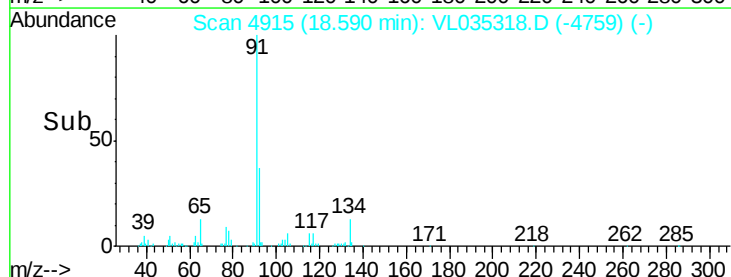
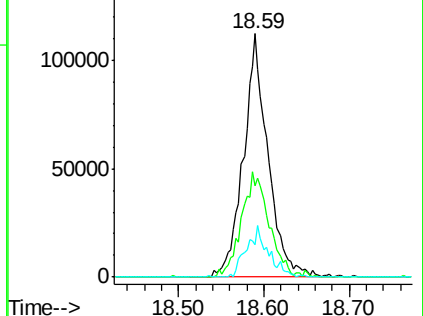
Tgt Ion:	91	Resp:	224547
Ion Ratio	Lower	Upper	
91	100		
92	48.5	44.6	66.8
134	18.7	18.6	27.8

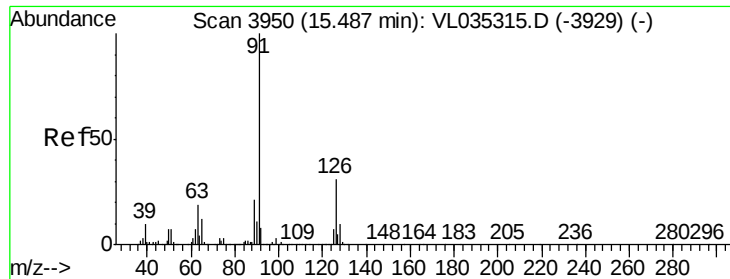


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





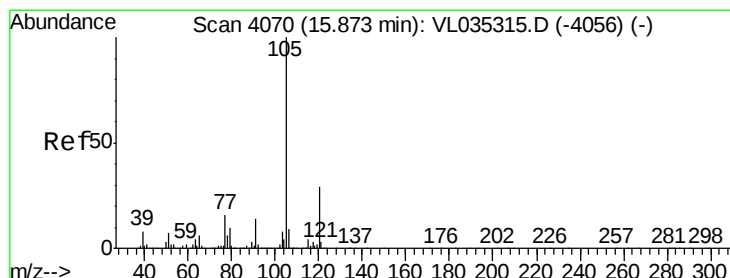
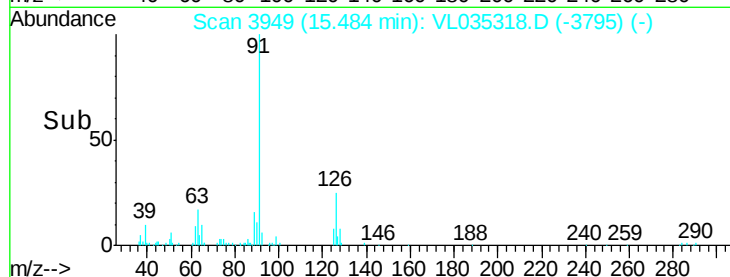
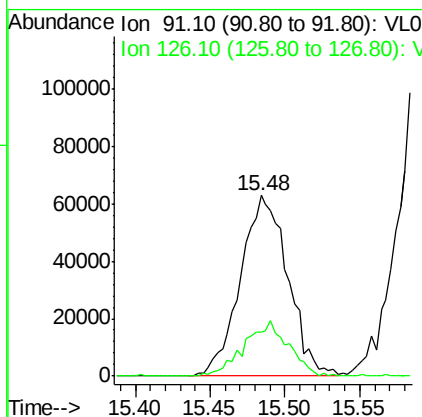
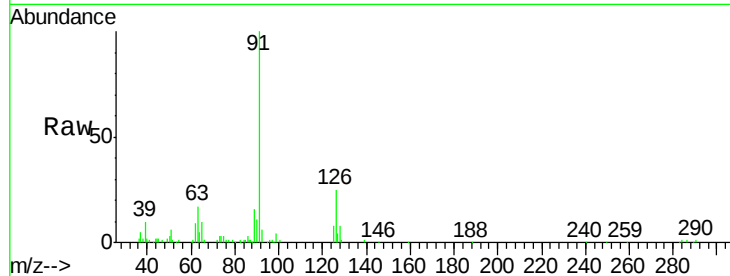
#71
2-Chlorotoluene
Concen: 0.382 ppbv
RT: 15.48 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.3	12.3	49.3

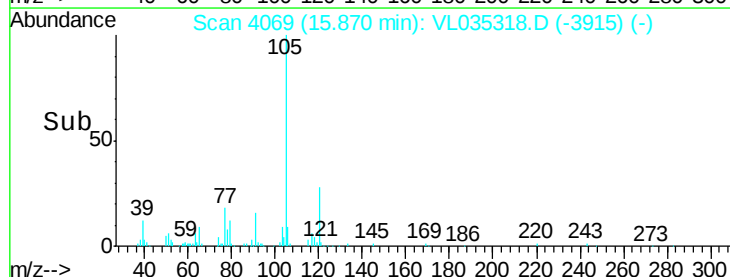
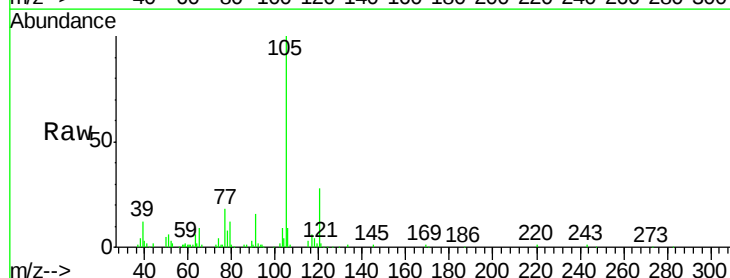
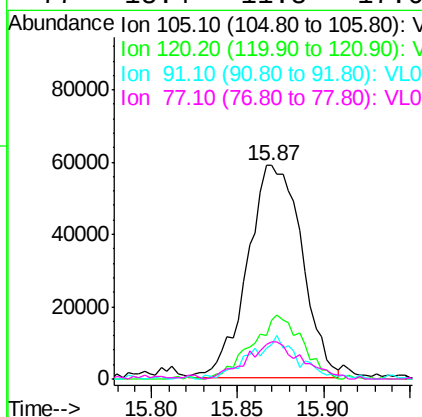
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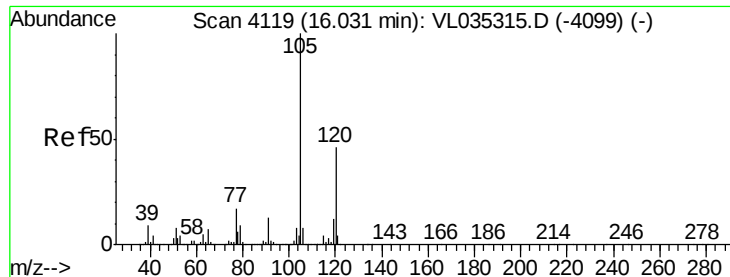
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#72
4-Ethyltoluene
Concen: 0.352 ppbv
RT: 15.87 min Scan# 4069
Delta R.T. -0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.6	23.6	35.4
91	18.4	11.3	16.9#
77	18.4	11.8	17.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.379 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 134699

Ion Ratio Lower Upper

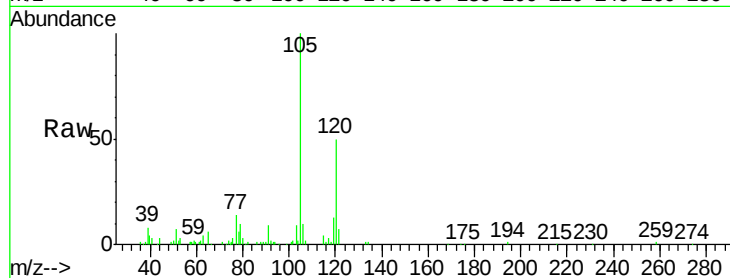
105 100

120 49.7 36.6 54.8

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

80000

60000

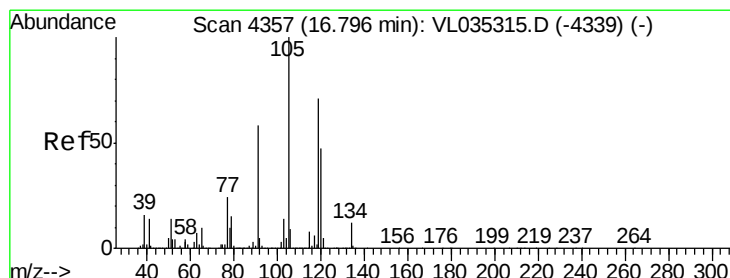
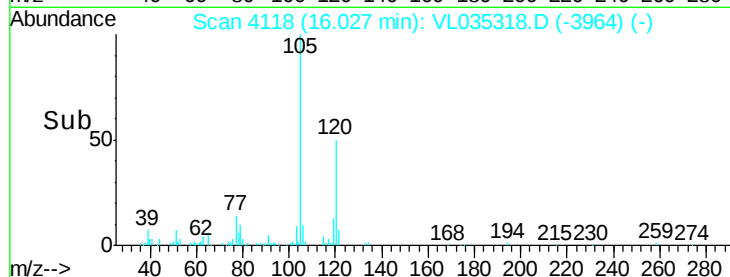
40000

20000

0

15.95 16.00 16.05 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.450 ppbv m

RT: 16.79 min Scan# 4355

Delta R.T. -0.01 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Tgt Ion:105 Resp: 185922

Ion Ratio Lower Upper

105 100

120 42.1 38.0 57.0

91 62.5 47.9 71.9

77 24.8 19.6 29.4

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

120000

100000

80000

60000

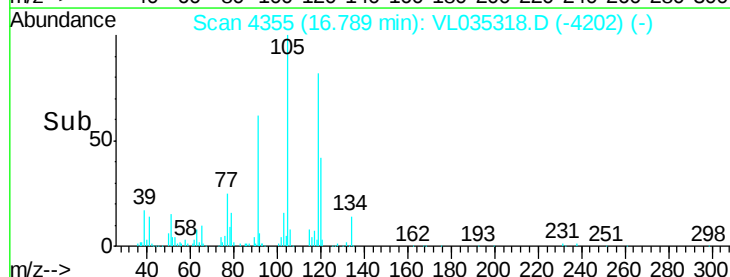
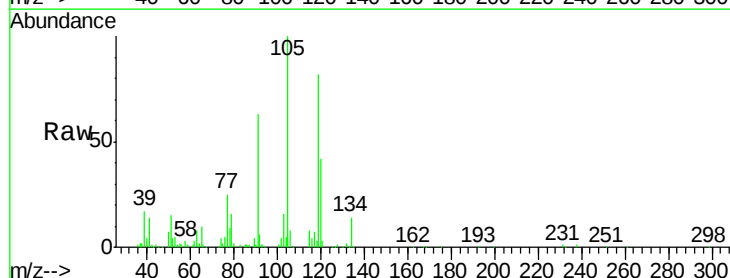
40000

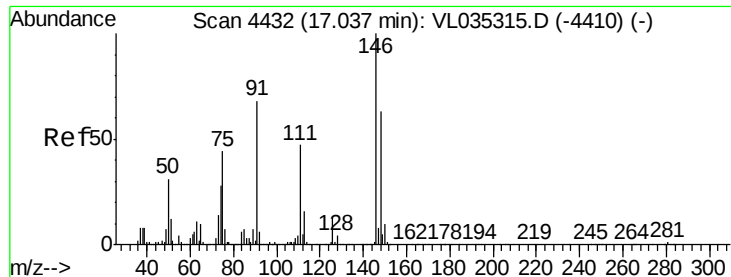
20000

0

16.70 16.80 16.90 17.00

Time-->





#75

1,3-Dichlorobenzene

Concen: 0.498 ppbv m

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Instrument :

MSVOA_L

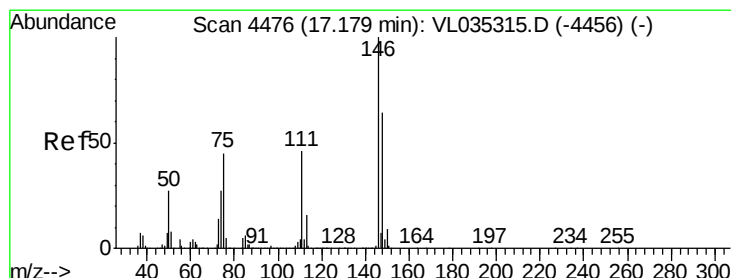
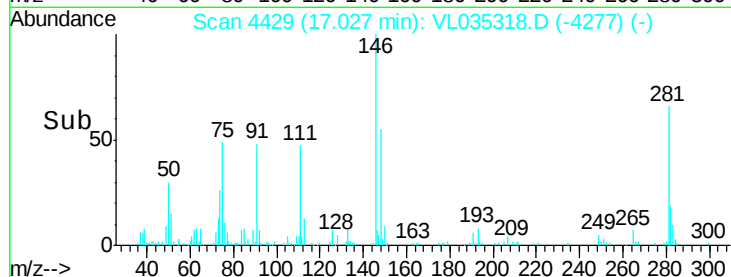
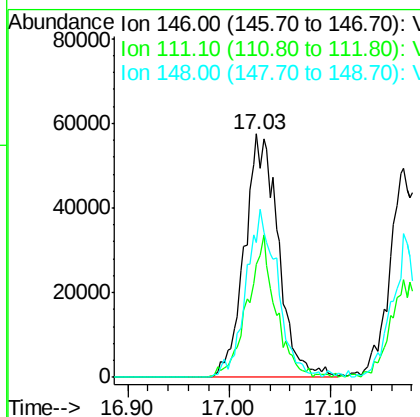
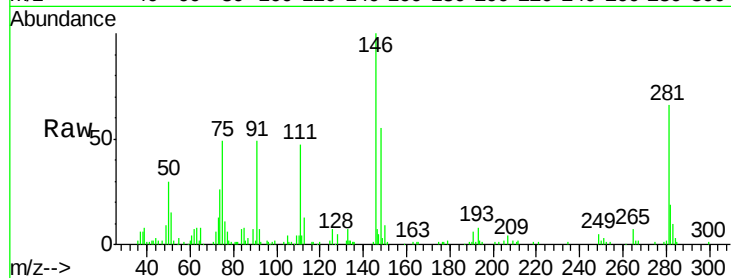
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	132853
Ion Ratio	Lower	Upper	
146	100		
111	0.0	24.2	72.6#
148	0.0	32.4	97.0#

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#76

1,4-Dichlorobenzene

Concen: 0.476 ppbv m

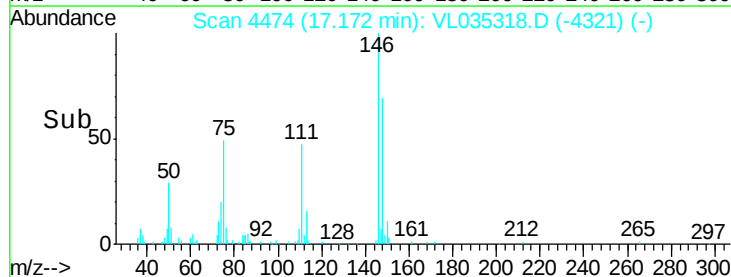
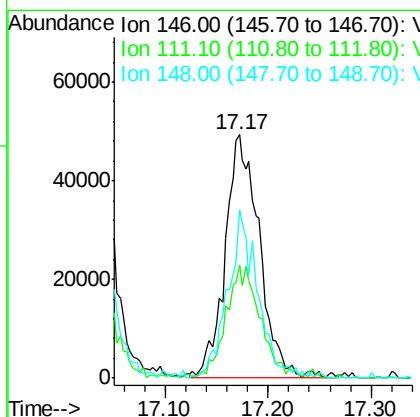
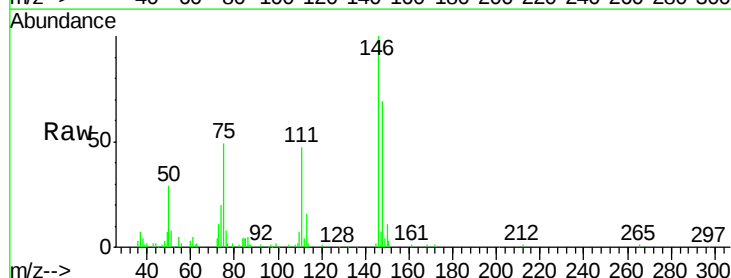
RT: 17.17 min Scan# 4474

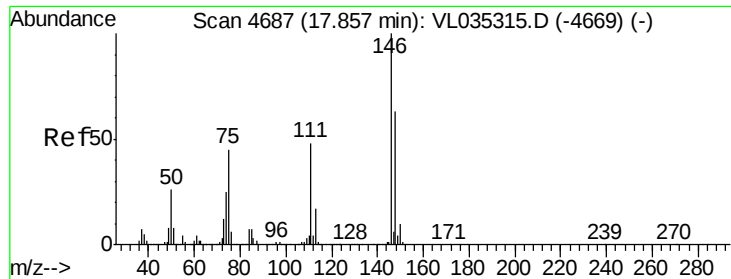
Delta R.T. -0.01 min

Lab File: VL035318.D

Acq: 3 Aug 2020 14:14

Tgt Ion:	146	Resp:	114783
Ion Ratio	Lower	Upper	
146	100		
111	47.5	23.6	70.8
148	60.5	32.8	98.4





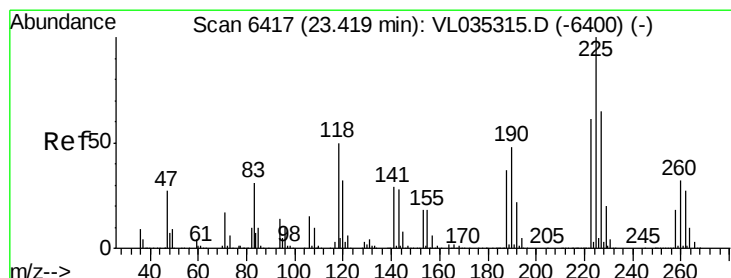
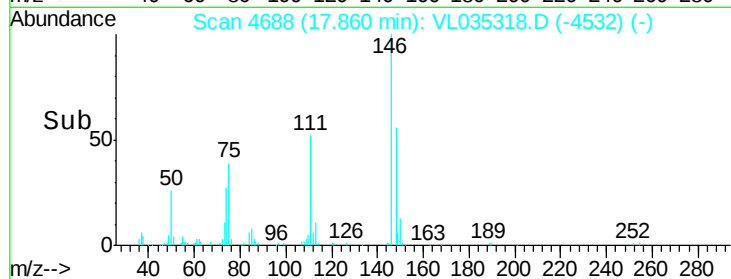
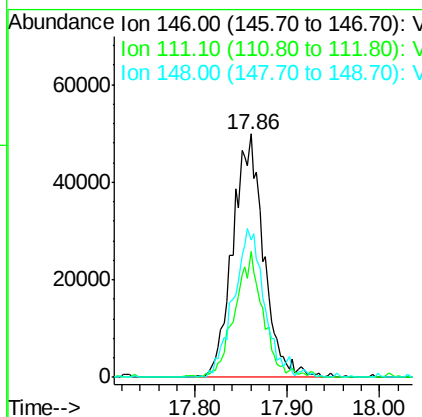
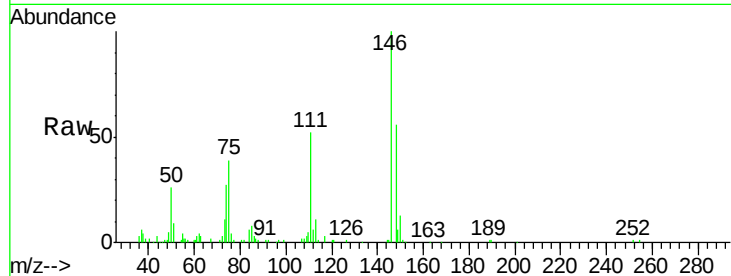
#77
 1,2-Dichlorobenzene
 Concen: 0.483 ppbv m
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.6	73.6#
148	0.0	32.3	96.8#

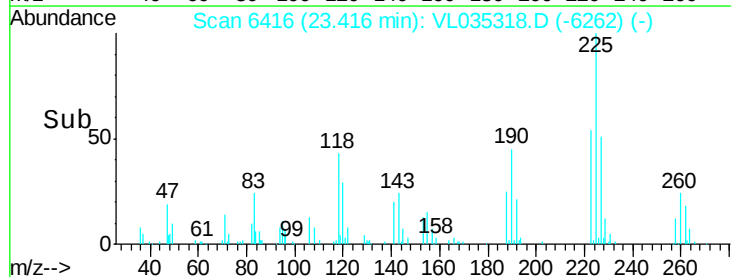
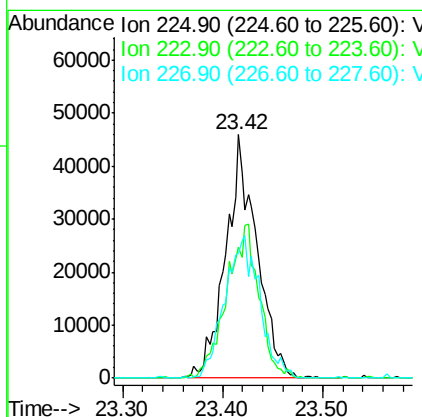
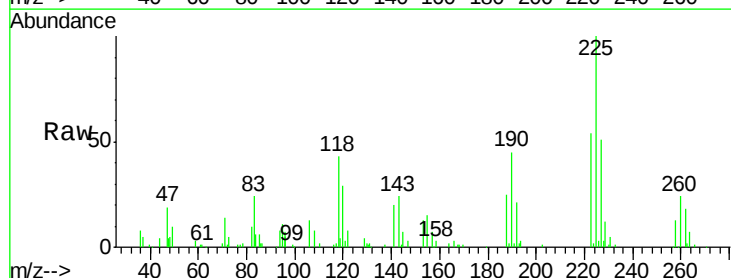
Manual Integrations
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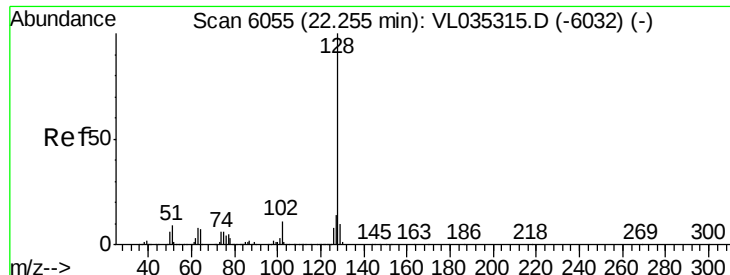
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.500 ppbv m
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.2	75.4#
227	0.0	52.7	79.1#





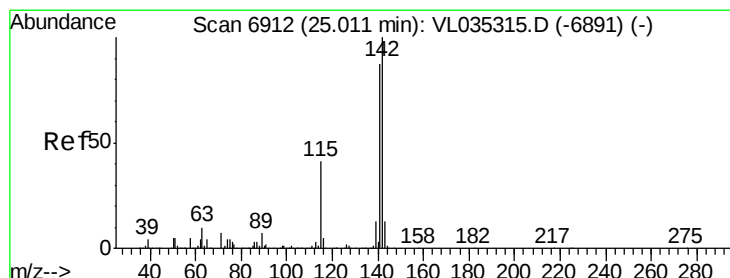
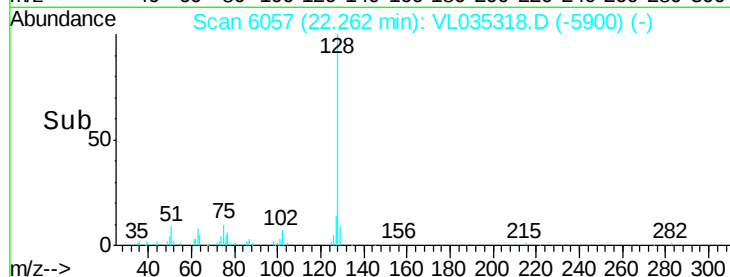
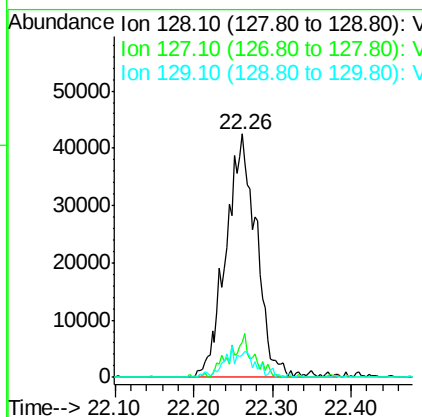
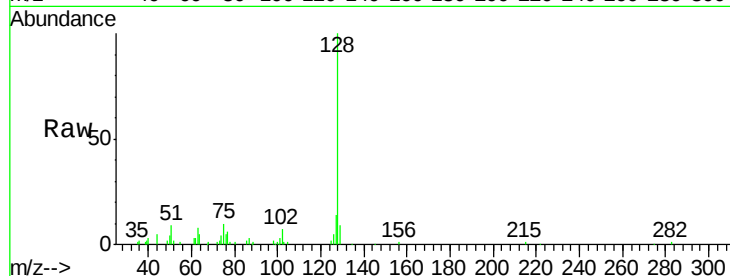
#79
Naphthalene
Concen: 0.349 ppbv m
RT: 22.26 min Scan# 6057
Delta R.T. 0.01 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
128	100	114550		
127	14.5	10.8	16.2	
129	9.2	8.4	12.6	

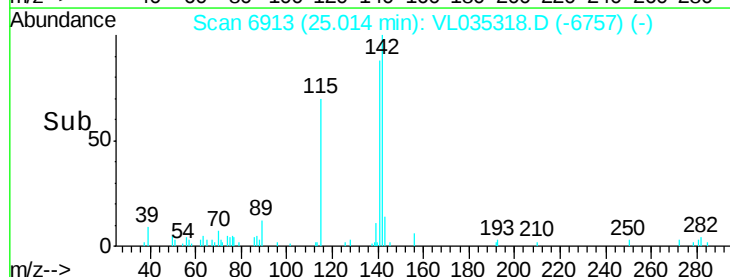
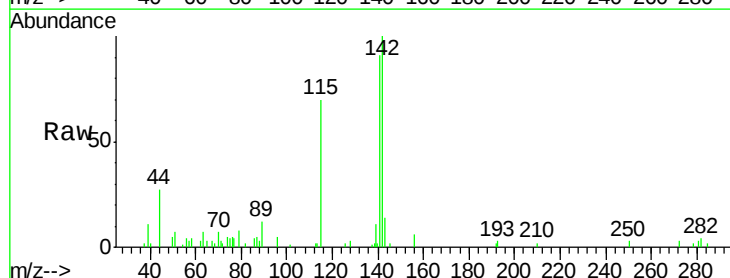
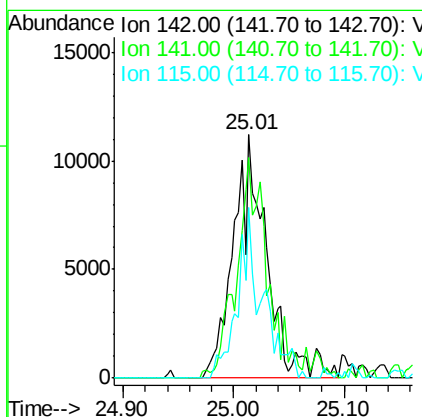
Manual Integrations
APPROVED

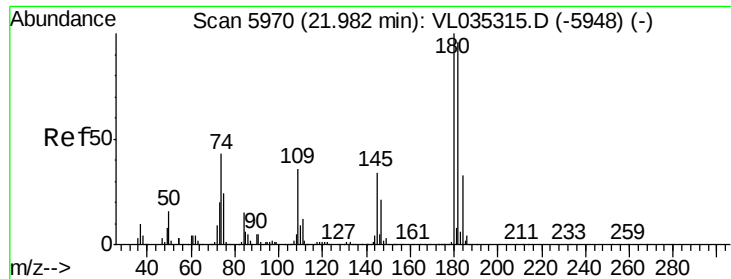
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#80
Naphthalene, 2-methyl-
Concen: 0.222 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. 0.00 min
Lab File: VL035318.D
Acq: 3 Aug 2020 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	23568		
141	86.8	68.3	102.5	
115	51.6	35.0	52.4	





#81
 1,2,4-Trichlorobenzene
 Concen: 0.404 ppbv m
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL035318.D
 Acq: 3 Aug 2020 14:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
180	100	80809		
182	0.0	76.9	115.3#	
184	0.0	25.0	37.6#	

Manual Integrations
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