

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034509.D
 Acq On : 30 Dec 2019 10:24
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:48:31 AM

Quant Time: Dec 30 14:21:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1115558	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2263181	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2336980	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.47	95	1919246	9.76	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1364287	6.760	ppbv	99
3) Chlorodifluoromethane	2.95	51	1163964	8.363	ppbv	98
4) Chloromethane	3.11	50	702845	8.561	ppbv	98
5) Vinyl Chloride	3.23	62	662619	8.614	ppbv	93
6) Bromomethane	3.45	94	357638	9.241	ppbv	90
7) Chloroethane	3.53	64	246756	8.838	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	1551091	8.558	ppbv	99
9) Propene	2.98	41	481933	7.799	ppbv	98
10) Heptane	8.15	43	1295413	8.123	ppbv	98
11) Trichlorofluoromethane	3.93	101	1806173	8.993	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1191900	8.936	ppbv	100
13) Ethanol	3.58	45	119987	6.971	ppbv	95
14) Bromoethene	3.71	108	489965	9.034	ppbv	99
15) Acetone	3.83	43	1287721	8.061	ppbv	100
16) 1,3-Butadiene	3.30	39	608254	8.741	ppbv	98
17) tert-Butyl alcohol	4.28	59	1262254	9.401	ppbv	99
18) 1,1-Dichloroethene	4.27	96	530766	9.097	ppbv	93
19) Isopropyl Alcohol	3.95	45	980197	9.573	ppbv	100
20) Methylene Chloride	4.33	84	478677	8.450	ppbv	95
21) Allyl Chloride	4.40	41	901762	9.421	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	548496	9.326	ppbv	93
23) Vinyl Acetate	5.07	43	1812164	8.684	ppbv #	99
24) 1,1-Dichloroethane	5.01	63	1374742	8.576	ppbv	99
25) Ethyl Acetate	5.68	43	2356811	8.268	ppbv	99
26) Hexane	5.69	57	1000440	8.168	ppbv	98
27) Carbon Disulfide	4.54	76	1383501	10.370	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1762270	8.677	ppbv	99
29) Chloroform	5.76	83	1682448	8.482	ppbv	99
30) Cyclohexane	7.15	84	800337	8.643	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1082809	8.555	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1743323	9.374	ppbv	99
34) 2-Butanone	5.24	43	1518402	8.151	ppbv	100
35) Carbon Tetrachloride	7.04	117	1844360	9.478	ppbv	98
36) Benzene	6.91	78	1900091	8.399	ppbv	96
37) 1,2-Dichloroethane	6.32	62	1462285	8.700	ppbv	100
38) Trichloroethene	7.86	130	790038	8.510	ppbv	99
39) 1,2-Dichloropropane	7.64	63	783670	8.991	ppbv	96
40) 1,4-Dioxane	7.85	88	304011	7.985	ppbv #	98
41) Tetrahydrofuran	6.05	42	851759	8.152	ppbv	99
42) Bromodichloromethane	7.82	83	1868587	8.890	ppbv	96
43) Methyl Methacrylate	8.04	69	829370	8.839	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034509.D
 Acq On : 30 Dec 2019 10:24
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

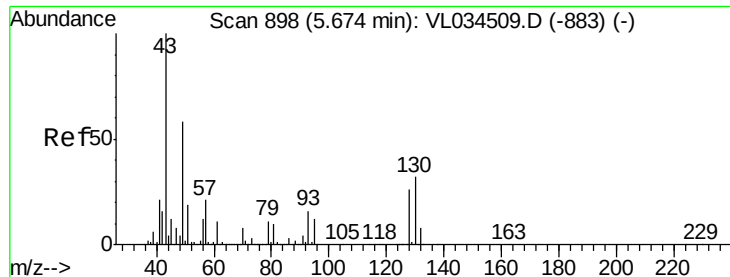
Manual Integrations
 APPROVED

apatel
 1/2/2020 10:48:31 AM

Quant Time: Dec 30 14:21:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3413427	8.256	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1165726	9.687	ppbv	97
46) cis-1,3-Dichloropropene	8.74	75	1280626	9.474	ppbv	97
47) 1,1,2-Trichloroethane	9.51	97	820905	8.467	ppbv	96
48) Dibromochloromethane	10.35	129	1573909	9.454	ppbv	99
49) Bromoform	13.10	173	1427021	9.603	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2244411	8.327	ppbv	100
51) 2-Hexanone	10.17	43	1898383	8.409	ppbv #	98
52) Tetrachloroethene	11.27	164	731973	7.478	ppbv	96
53) Toluene	9.84	91	2218646	8.634	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1250482	8.413	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.17	131	1046678	9.156	ppbv	98
57) Chlorobenzene	12.19	112	1749373	8.281	ppbv	100
58) Ethyl Benzene	12.75	91	3050460	8.411	ppbv	99
59) m/p-Xylene	13.05	91	5131484m	16.369	ppbv	
60) o-Xylene	13.74	91	2588328	8.351	ppbv	100
61) Styrene	13.57	104	1905625	8.525	ppbv	100
62) Isopropylbenzene	14.72	105	3367219	8.214	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	1824290	7.830	ppbv	100
64) n-propylbenzene	15.62	120	880716	8.273	ppbv	98
65) tert-Butylbenzene	16.80	119	3021654	8.206	ppbv	100
66) Benzyl Chloride	17.05	91	1561511	11.023	ppbv	99
67) sec-Butylbenzene	17.35	105	4168876	8.093	ppbv	100
69) p-Isopropyltoluene	17.71	119	3479986	8.141	ppbv	100
70) n-Butylbenzene	18.61	91	3642078	7.918	ppbv	100
71) 2-Chlorotoluene	15.51	91	2640551	8.078	ppbv	99
72) 4-Ethyltoluene	15.89	105	2960795	8.267	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	2861546	8.163	ppbv	95
74) 1,2,4-Trimethylbenzene	16.82	105	2960204	7.949	ppbv	98
75) 1,3-Dichlorobenzene	17.06	146	1638944	7.657	ppbv	98
76) 1,4-Dichlorobenzene	17.20	146	1696587	8.162	ppbv	98
77) 1,2-Dichlorobenzene	17.88	146	1613348	7.804	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1441641	8.116	ppbv	99
79) Naphthalene	22.28	128	2705146	8.380	ppbv	99
80) Naphthalene, 2-methyl-	25.03	142	962263	6.601	ppbv	95
81) 1,2,4-Trichlorobenzene	22.01	180	1612682	8.132	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1115558

Ion Ratio Lower Upper

49 100

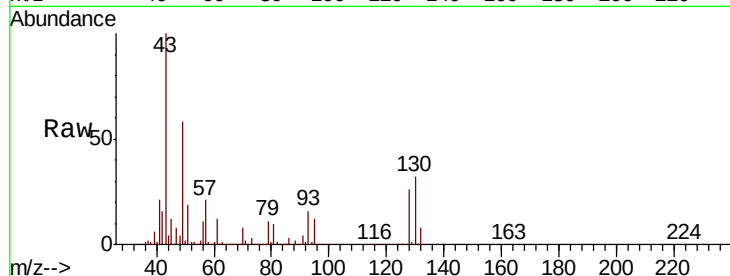
128 44.8 21.8 65.3

130 56.7 28.0 84.0

Manual Integrations
APPROVED

apatel

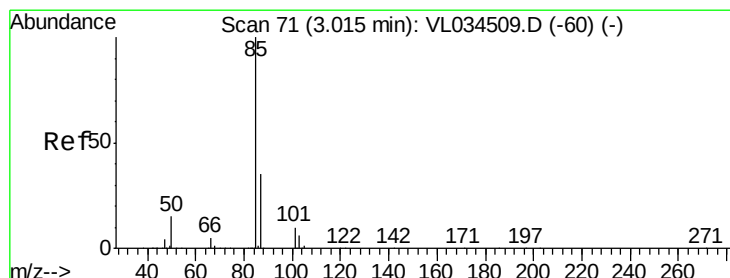
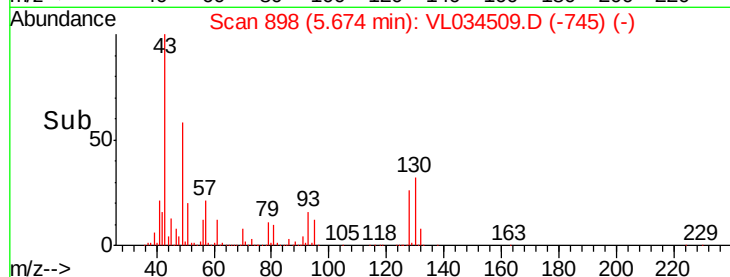
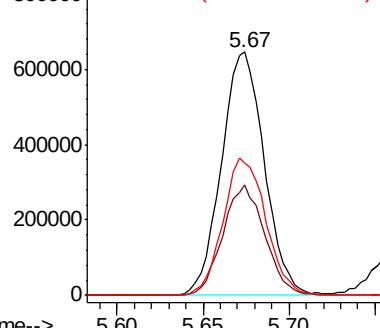
1/2/2020 10:48:31 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.760 ppbv

RT: 3.02 min Scan# 71

Delta R.T. -0.01 min

Lab File: VL034509.D

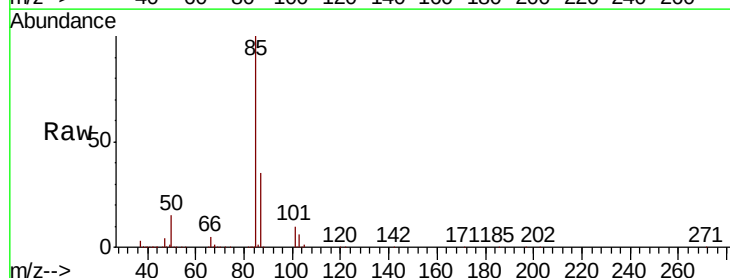
Acq: 30 Dec 2019 10:24

Tgt Ion: 85 Resp: 1364287

Ion Ratio Lower Upper

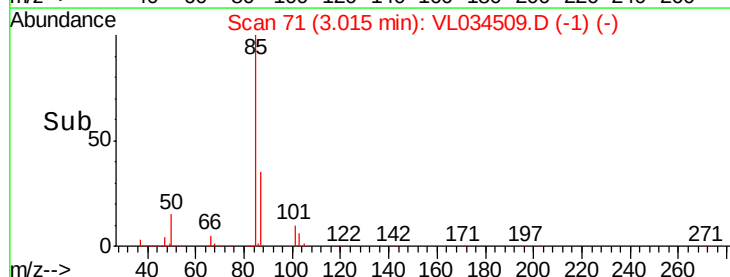
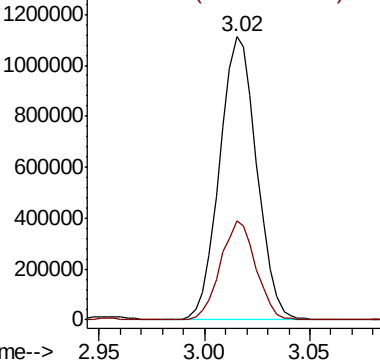
85 100

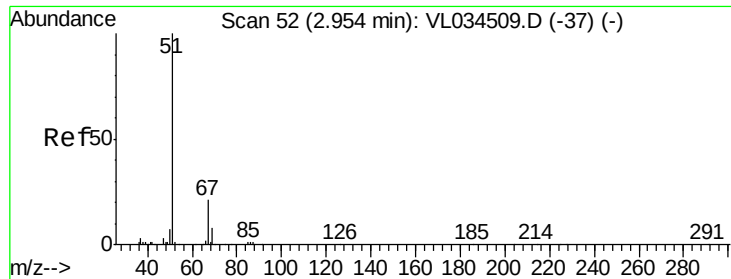
87 34.9 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





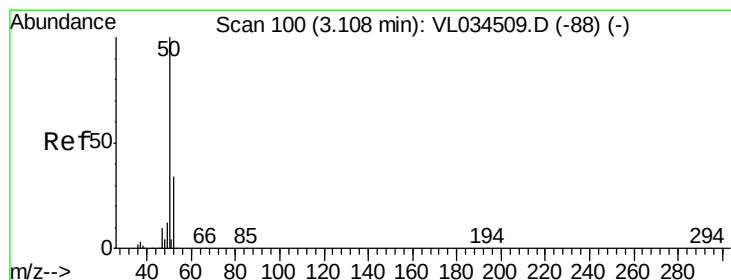
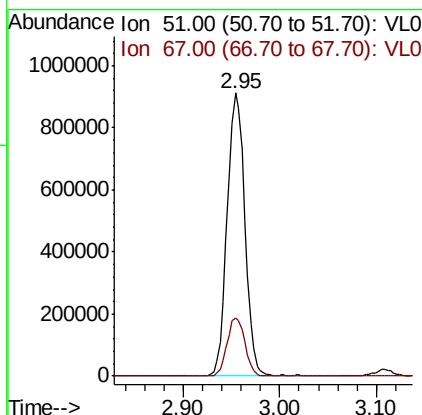
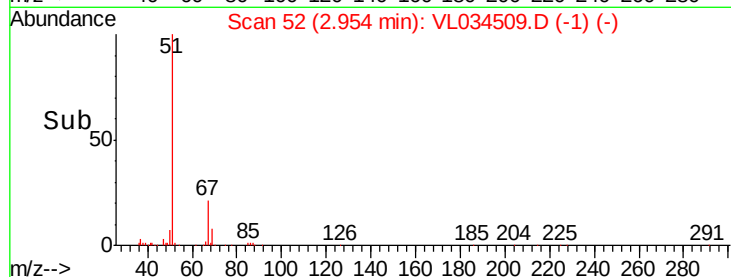
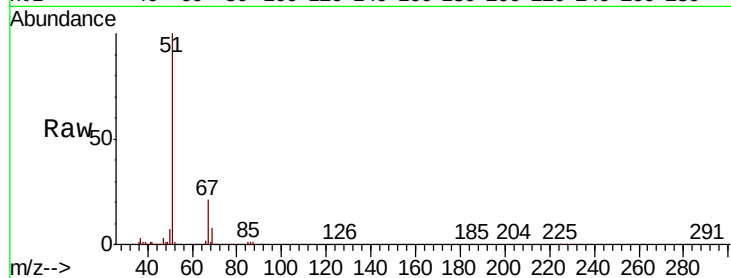
#3
Chlorodifluoromethane
Concen: 8.363 ppbv
RT: 2.95 min Scan# 52
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 51 Resp: 1163964
Ion Ratio Lower Upper
51 100
67 21.0 16.2 24.2

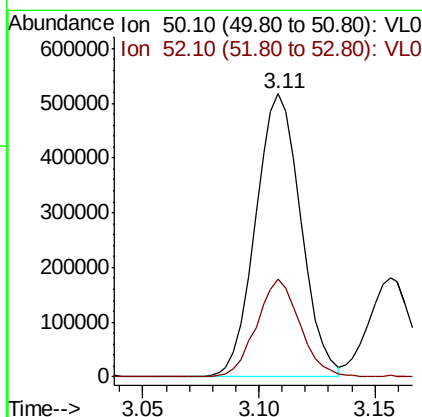
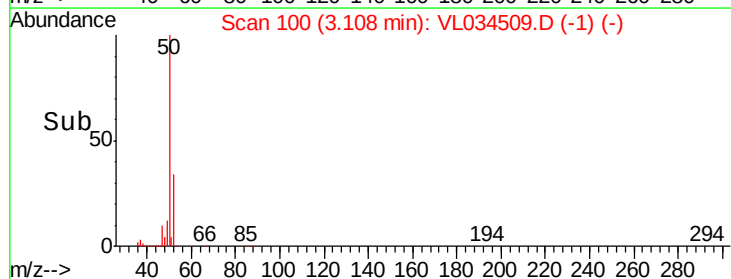
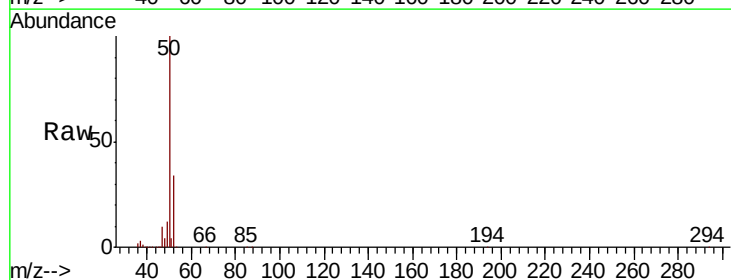
Manual Integrations
APPROVED

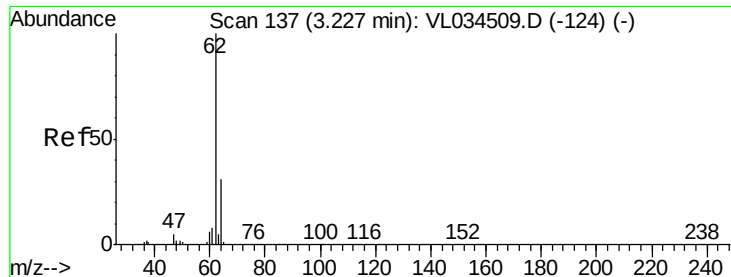
apatel
1/2/2020 10:48:31 AM



#4
Chloromethane
Concen: 8.561 ppbv
RT: 3.11 min Scan# 100
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 50 Resp: 702845
Ion Ratio Lower Upper
50 100
52 34.5 26.8 40.2





#5

Vinyl Chloride

Concen: 8.614 ppbv

RT: 3.23 min Scan# 137

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 662619

Ion Ratio Lower Upper

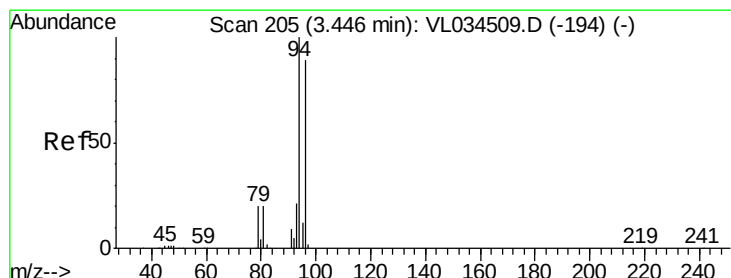
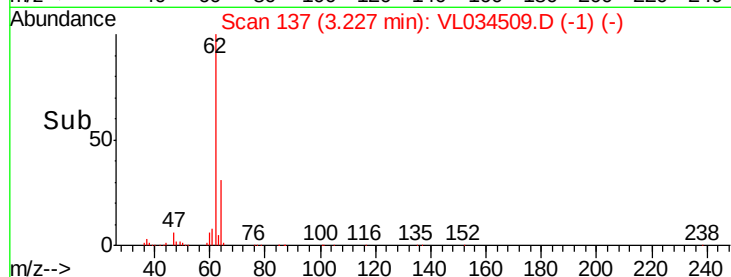
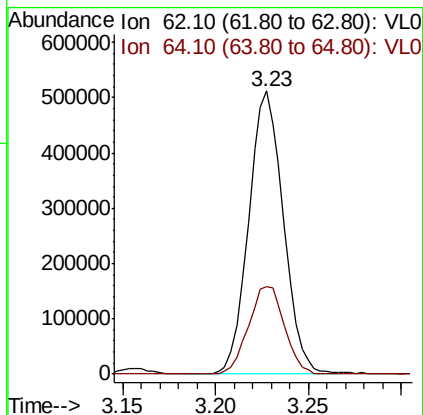
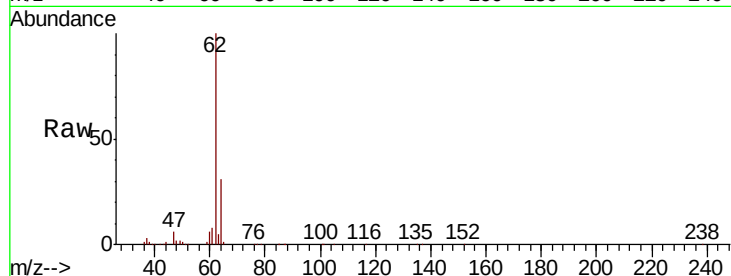
62 100

64 31.1 28.4 42.6

Manual Integrations
APPROVED

apatel

1/2/2020 10:48:31 AM



#6

Bromomethane

Concen: 9.241 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL034509.D

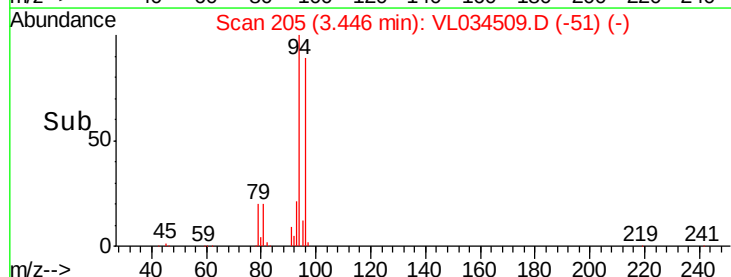
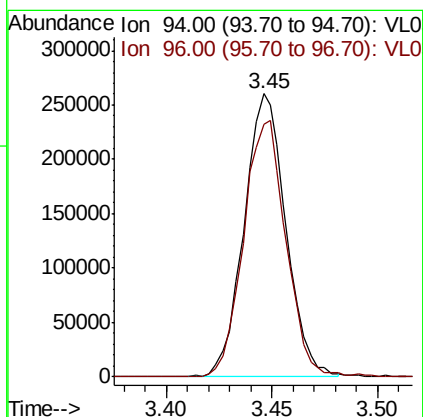
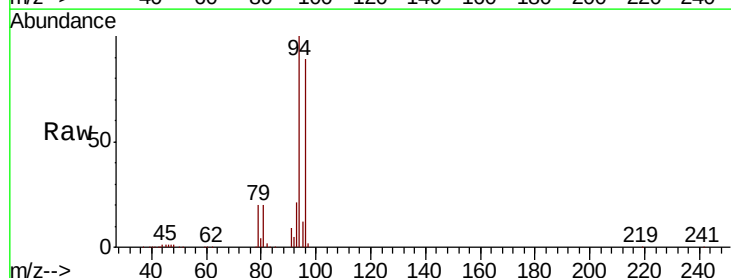
Acq: 30 Dec 2019 10:24

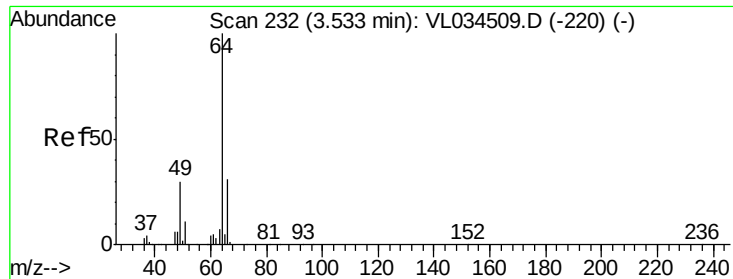
Tgt Ion: 94 Resp: 357638

Ion Ratio Lower Upper

94 100

96 89.0 79.5 119.3





#7

Chloroethane

Concen: 8.838 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 246756

Ion Ratio Lower Upper

64 100

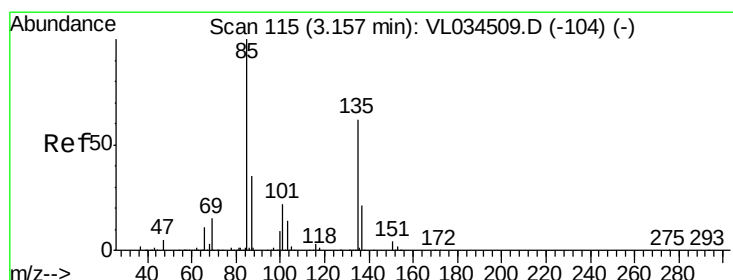
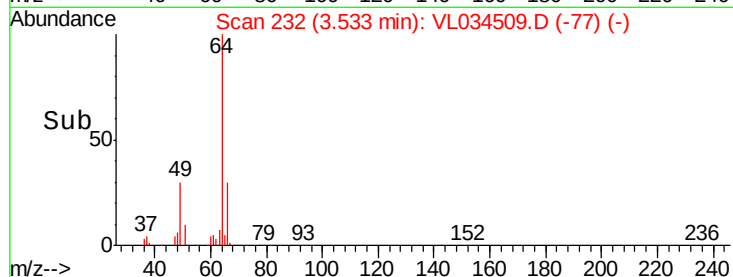
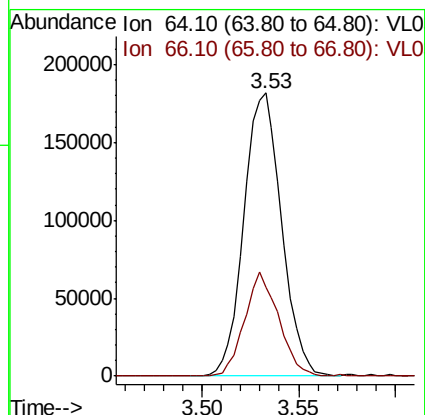
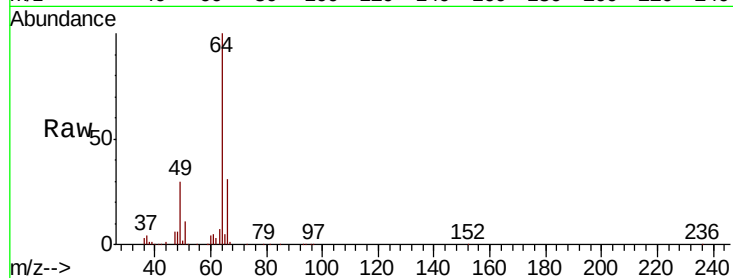
66 31.2 26.0 39.0

Manual Integrations

APPROVED

apatel

1/2/2020 10:48:31 AM



#8

Dichlorotetrafluoroethane

Concen: 8.558 ppbv

RT: 3.16 min Scan# 115

Delta R.T. -0.01 min

Lab File: VL034509.D

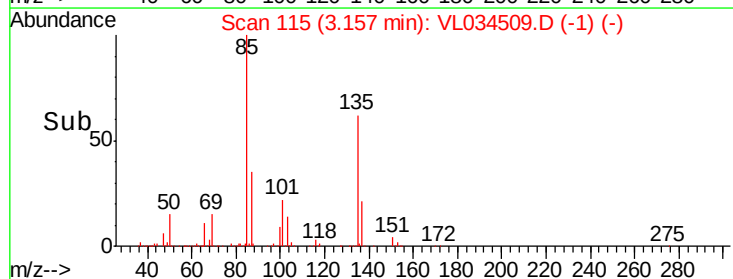
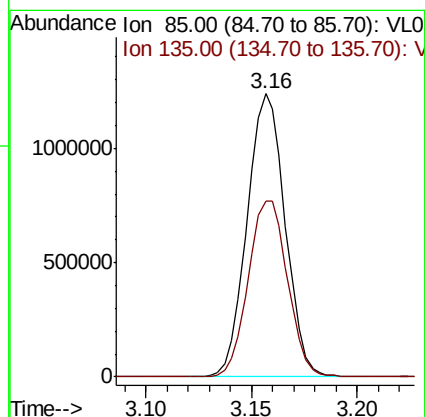
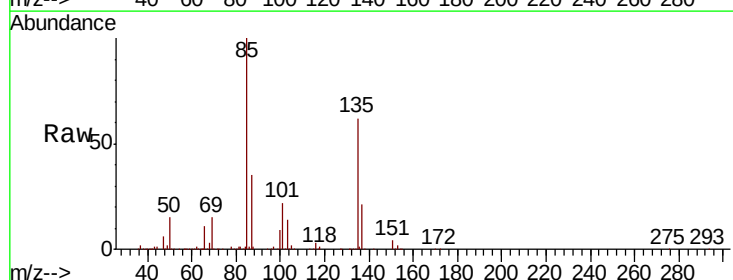
Acq: 30 Dec 2019 10:24

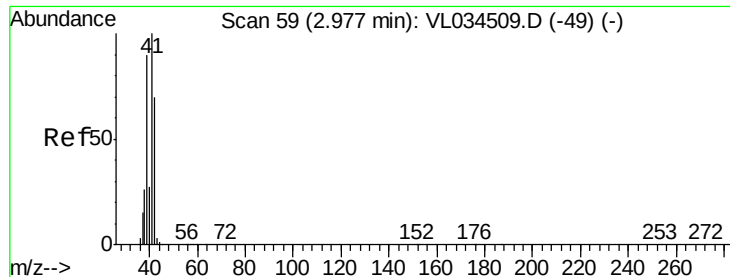
Tgt Ion: 85 Resp: 1551091

Ion Ratio Lower Upper

85 100

135 64.8 51.1 76.7





#9

Propene

Concen: 7.799 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 481933

Ion Ratio Lower Upper

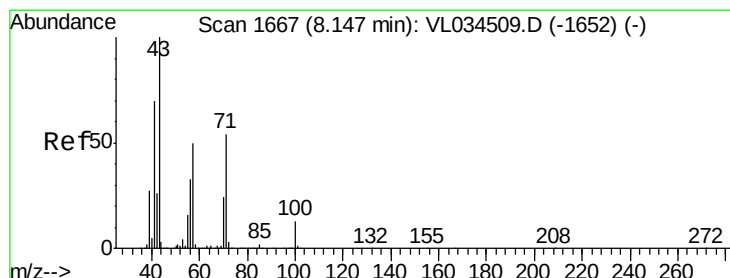
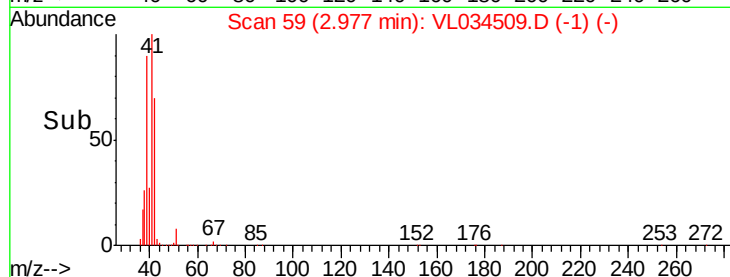
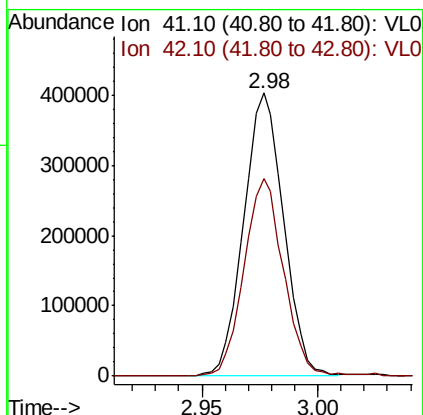
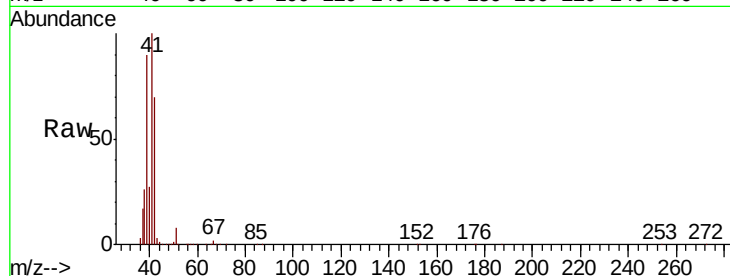
41 100

42 69.7 54.6 82.0

Manual Integrations
APPROVED

apatel

1/2/2020 10:48:31 AM



#10

Heptane

Concen: 8.123 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VL034509.D

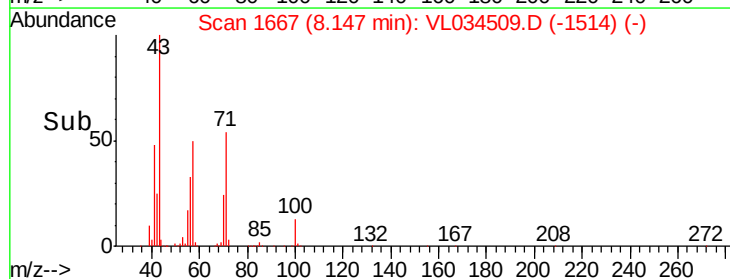
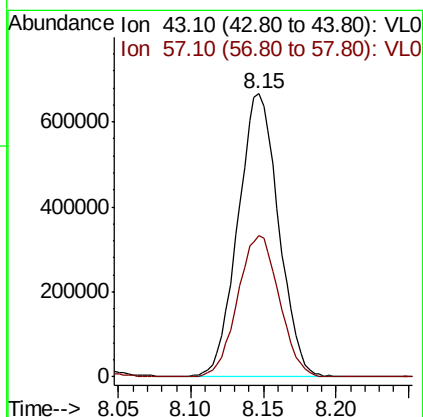
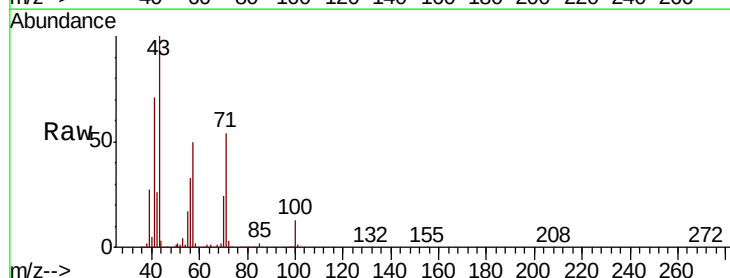
Acq: 30 Dec 2019 10:24

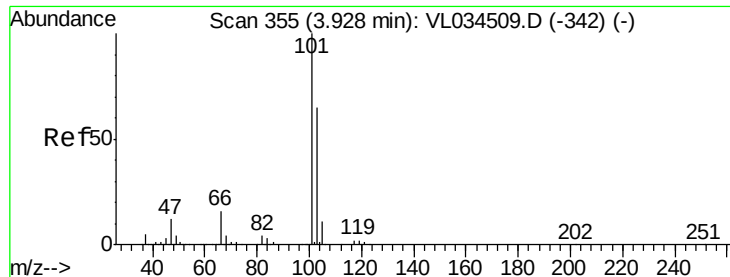
Tgt Ion: 43 Resp: 1295413

Ion Ratio Lower Upper

43 100

57 51.3 40.2 60.2





#11

Trichlorofluoromethane

Concen: 8.993 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 1806173

Ion Ratio Lower Upper

101 100

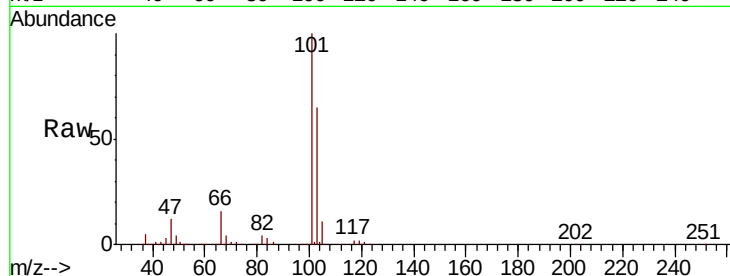
103 65.1 55.4 83.0

Manual Integrations

APPROVED

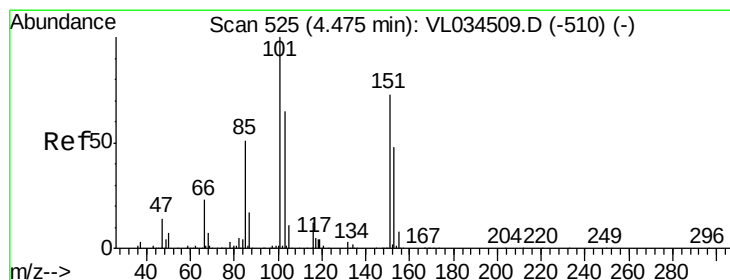
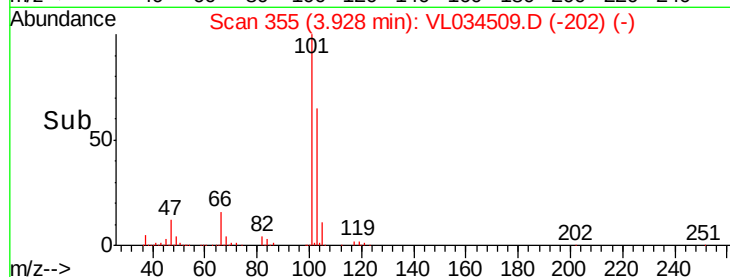
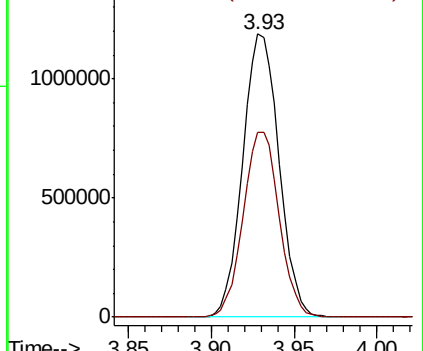
apatel

1/2/2020 10:48:31 AM



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: 8.936 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.01 min

Lab File: VL034509.D

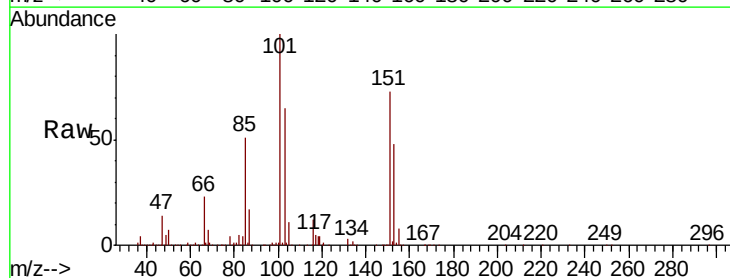
Acq: 30 Dec 2019 10:24

Tgt Ion:101 Resp: 1191900

Ion Ratio Lower Upper

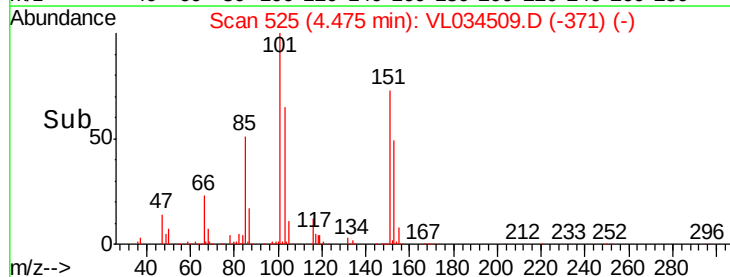
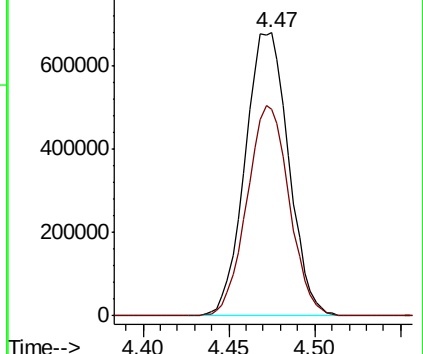
101 100

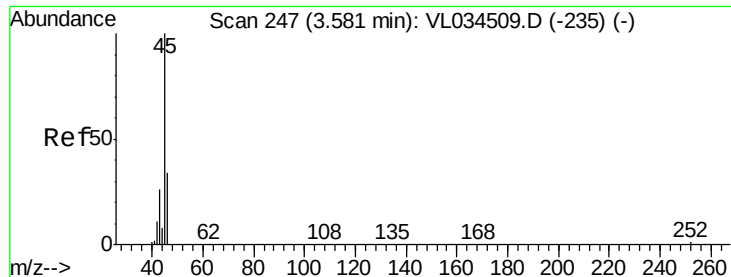
151 72.2 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





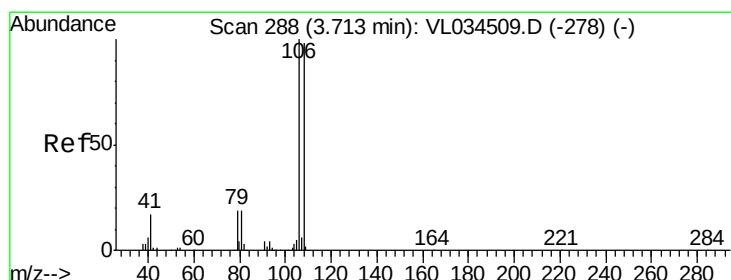
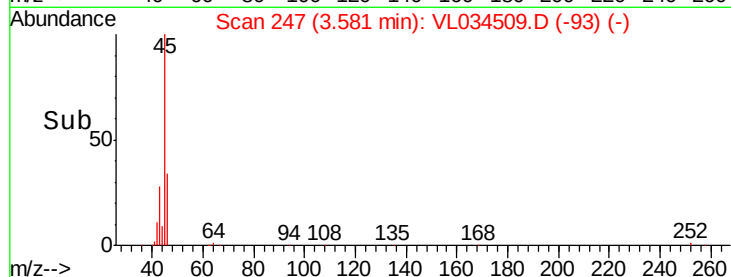
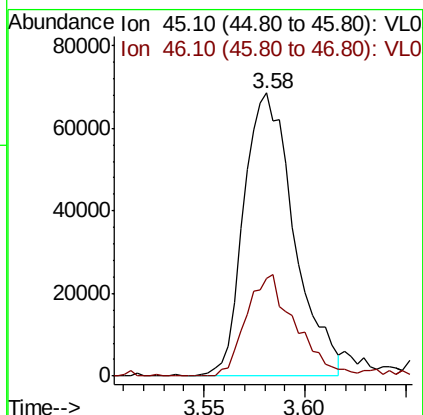
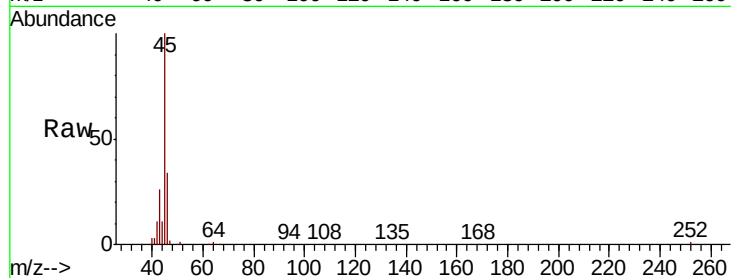
#13
Ethanol
Concen: 6.971 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.3	13.8	55.4

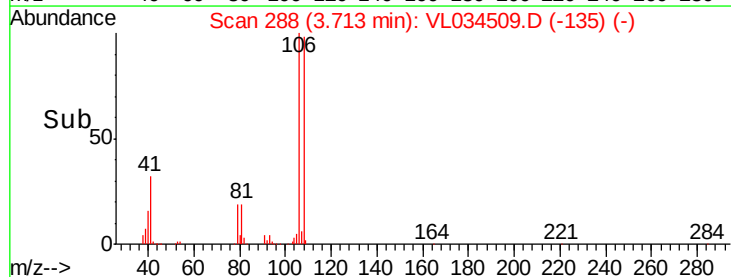
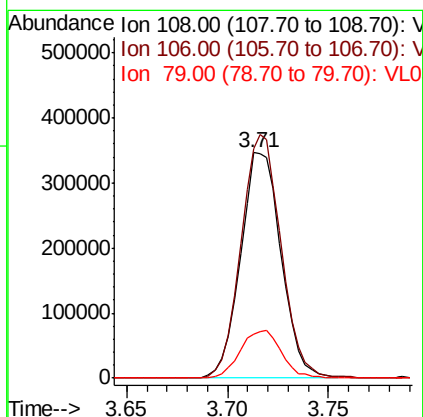
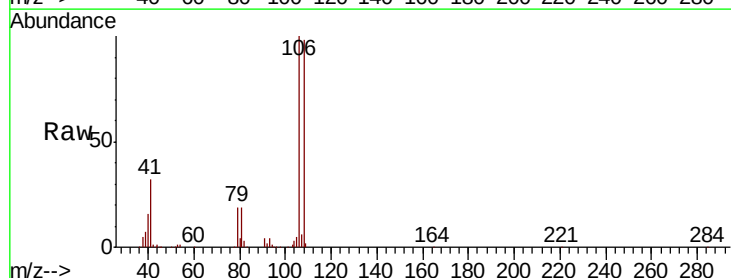
Manual Integrations
APPROVED

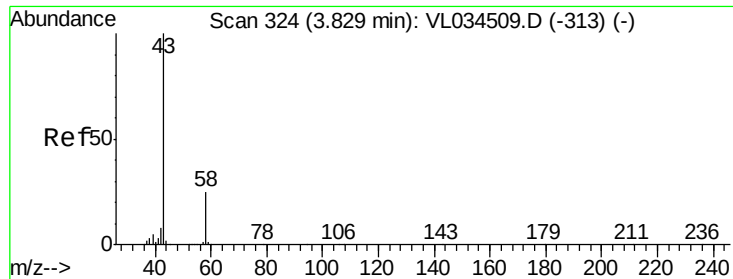
apatel
1/2/2020 10:48:31 AM



#14
Bromoethene
Concen: 9.034 ppbv
RT: 3.71 min Scan# 288
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.5	85.7	128.5
79	21.8	17.2	25.8





#15

Acetone

Concen: 8.061 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Tot Ion: 43 Resp: 1287721

Ion Ratio Lower Upper

43 100

58 25.5 20.2 30.4

Instrument :

MSVOA_L

ClientSampleId :

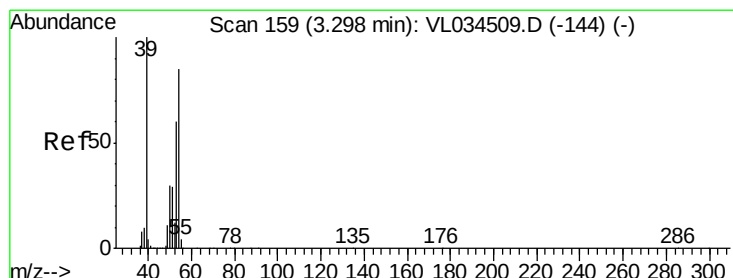
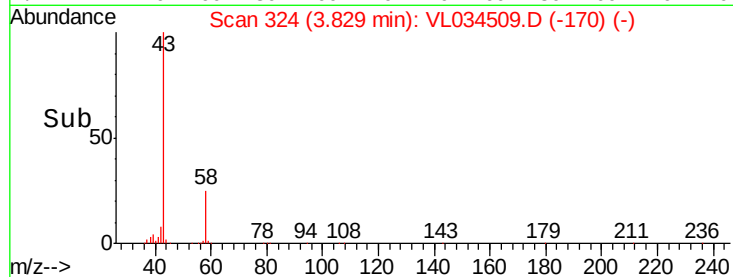
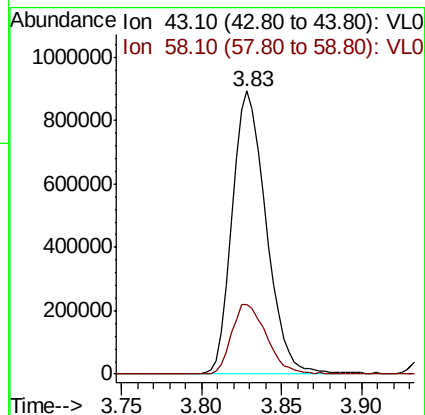
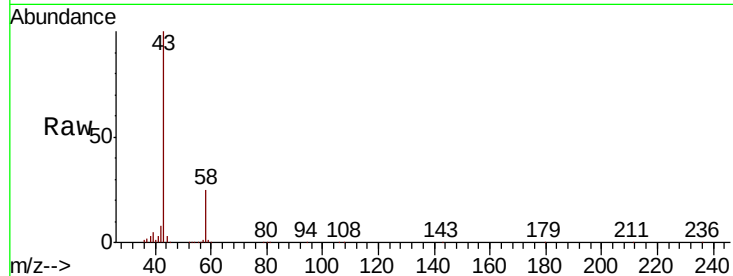
VSTDICCC010

Manual Integrations

APPROVED

apatel

1/2/2020 10:48:31 AM



#16

1,3-Butadiene

Concen: 8.741 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.01 min

Lab File: VL034509.D

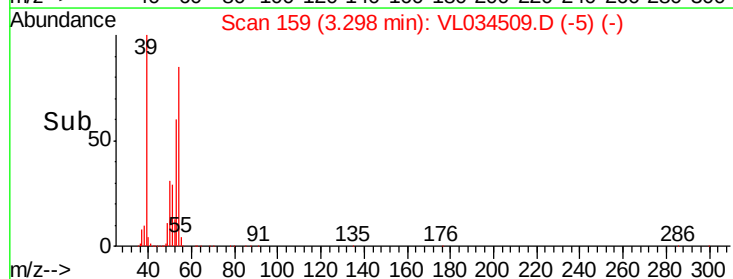
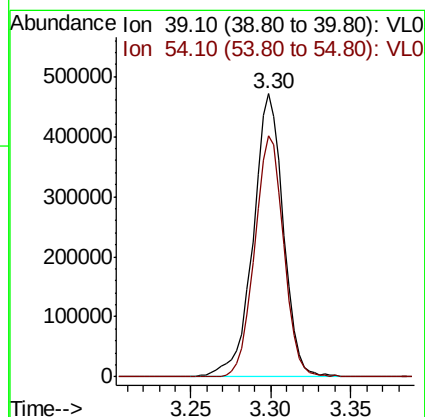
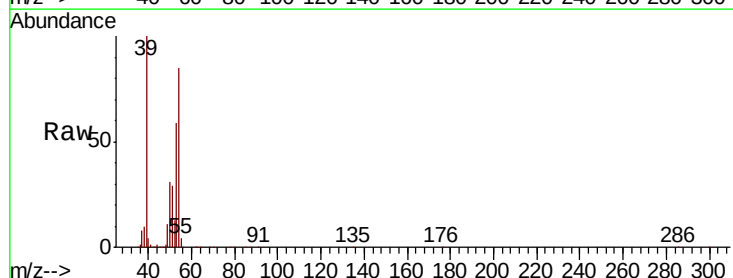
Acq: 30 Dec 2019 10:24

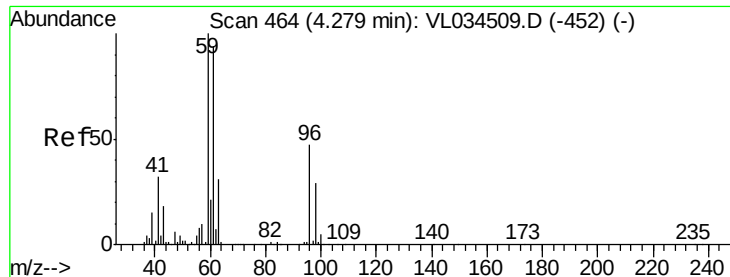
Tgt Ion: 39 Resp: 608254

Ion Ratio Lower Upper

39 100

54 82.7 64.7 97.1





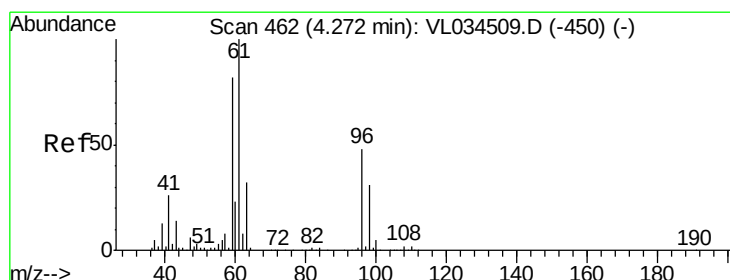
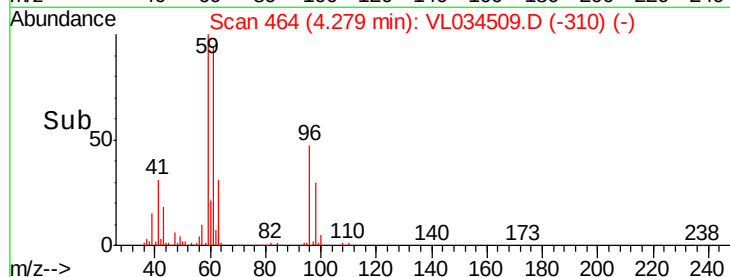
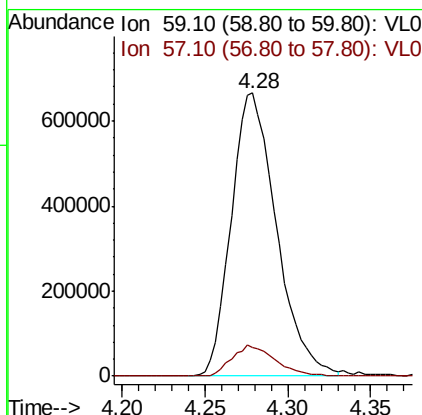
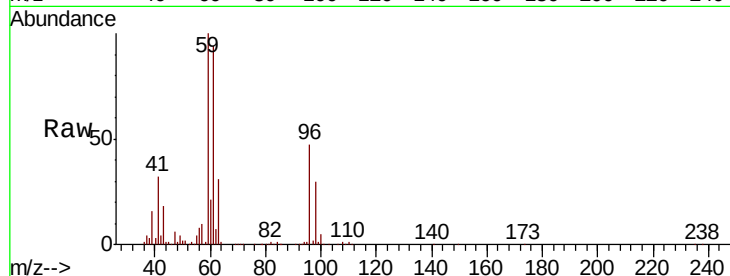
#17
tert-Butyl alcohol
Concen: 9.401 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1262254
Ion Ratio Lower Upper
59 100
57 10.7 8.8 13.2

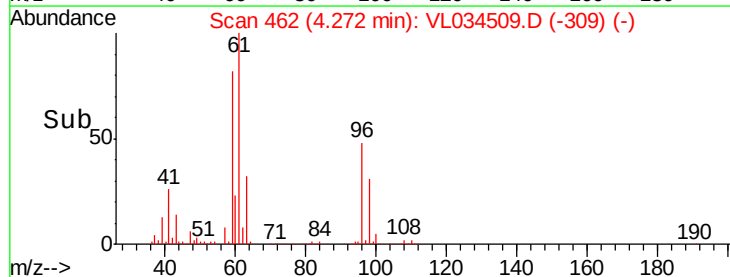
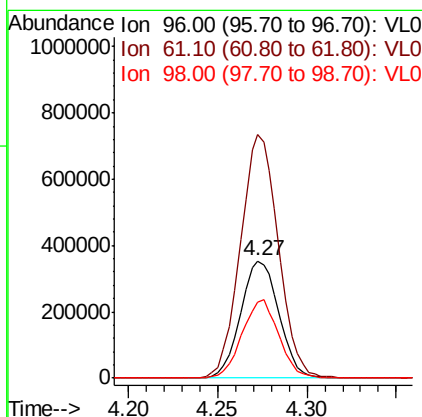
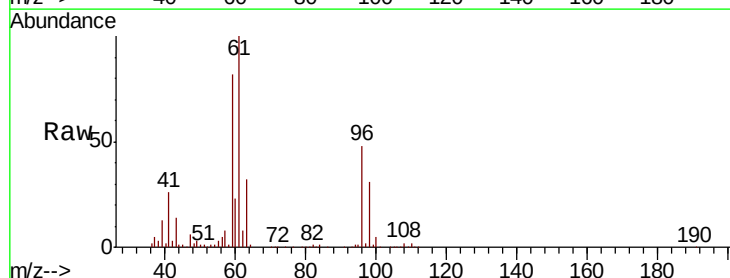
Manual Integrations
APPROVED

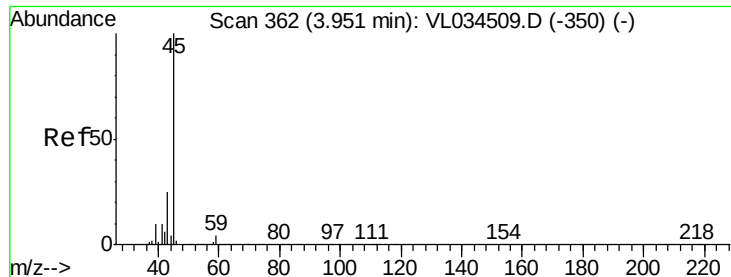
apatel
1/2/2020 10:48:31 AM



#18
1,1-Dichloroethene
Concen: 9.097 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 96 Resp: 530766
Ion Ratio Lower Upper
96 100
61 207.4 155.6 233.4
98 64.9 51.6 77.4





#19

Isopropyl Alcohol

Concen: 9.573 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.00 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 980197

Ion Ratio Lower Upper

45 100

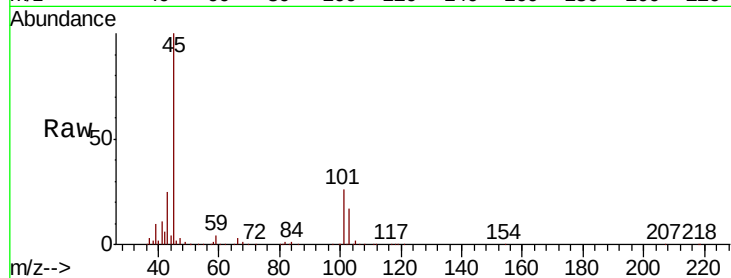
58 1.7 1.3 1.9

Manual Integrations

APPROVED

apatel

1/2/2020 10:48:31 AM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

600000

500000

400000

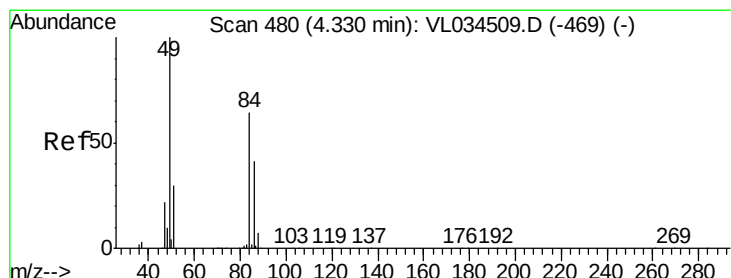
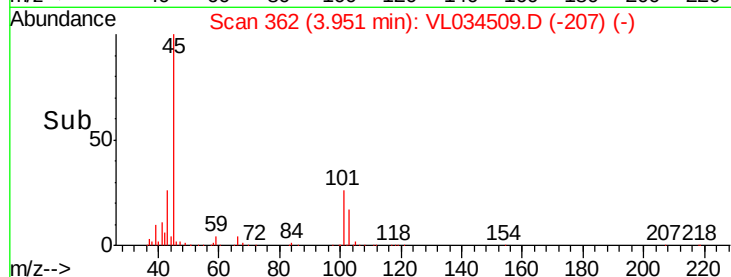
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.450 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Tgt Ion: 84 Resp: 478677

Ion Ratio Lower Upper

84 100

49 155.5 116.8 175.2

51 46.3 35.6 53.4

86 63.6 50.7 76.1

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

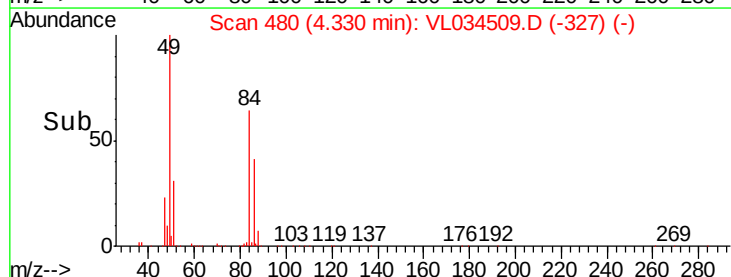
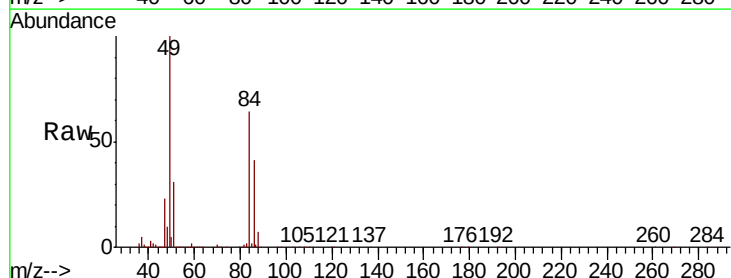
600000

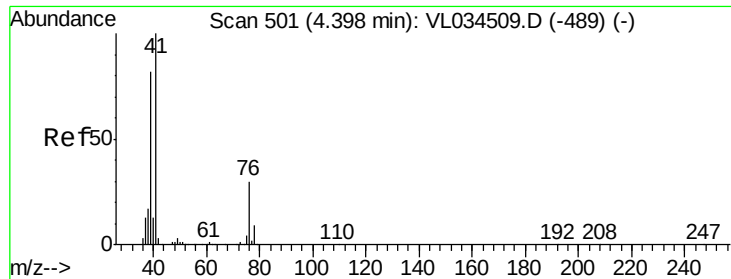
400000

200000

0

Time-->





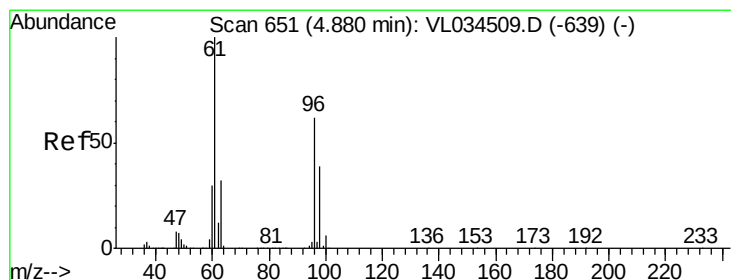
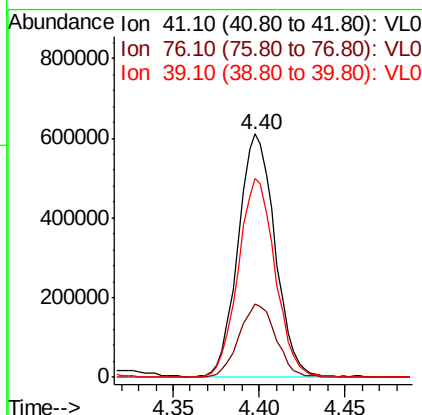
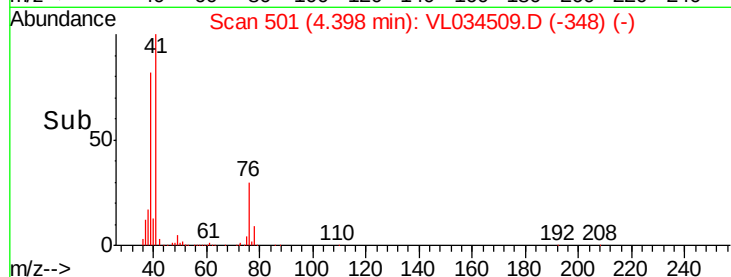
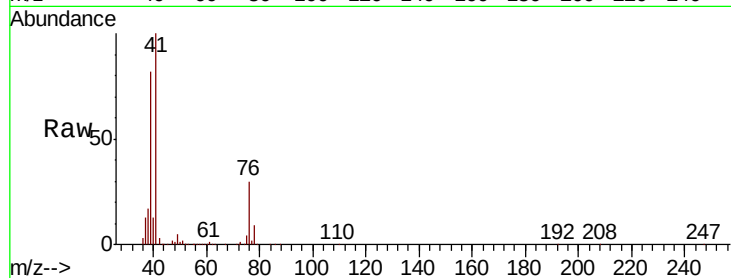
#21
Allvl Chloride
Concen: 9.421 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.2	36.2
39	82.2	66.9	100.3

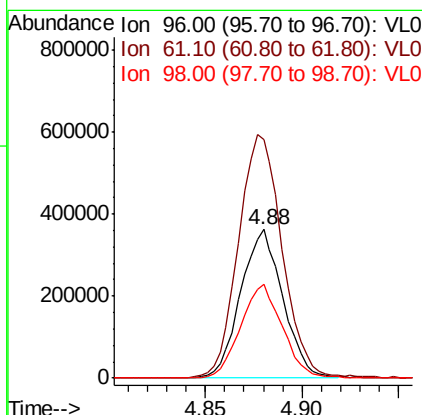
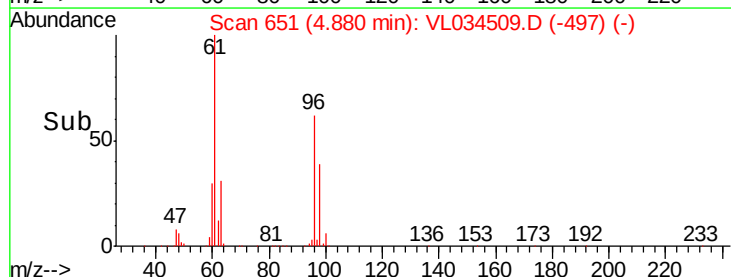
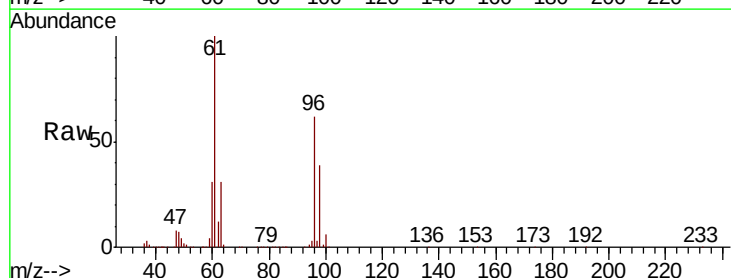
Manual Integrations
APPROVED

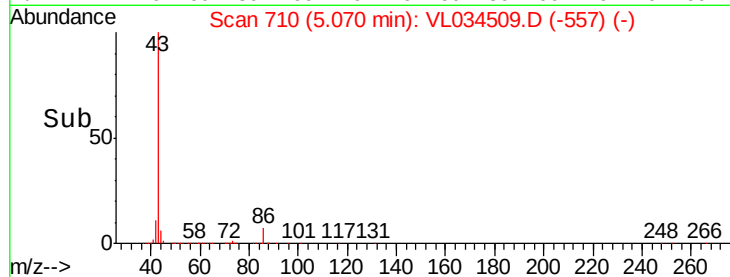
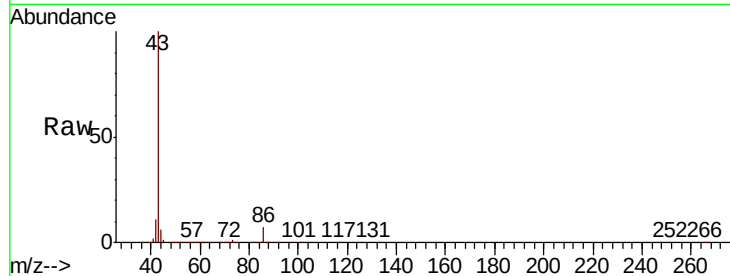
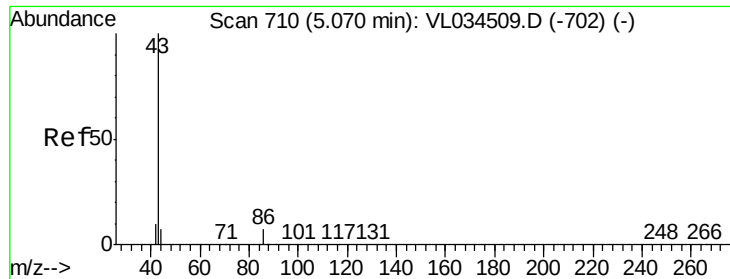
apatel
1/2/2020 10:48:31 AM



#22
trans-1,2-Dichloroethene
Concen: 9.326 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.5	137.9	206.9
98	63.2	53.5	80.3





#23

Vinyl Acetate

Concen: 8.684 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL034509.D

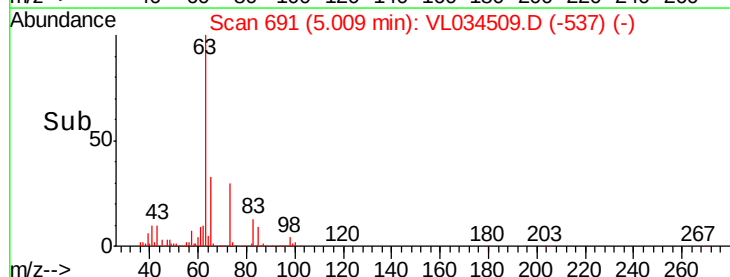
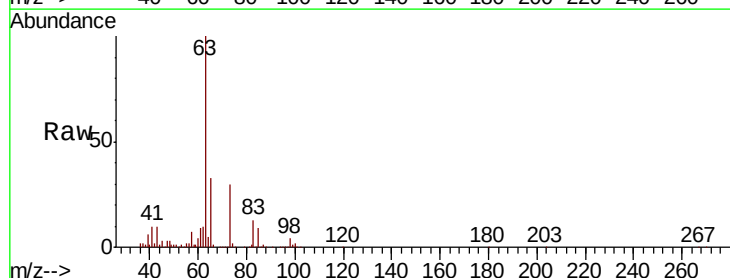
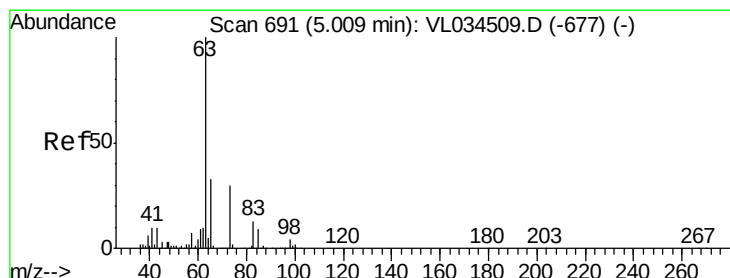
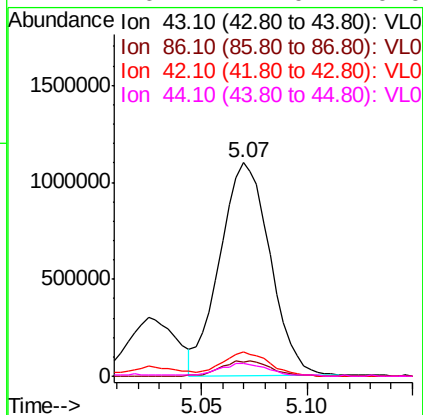
Acq: 30 Dec 2019 10:24

Tot Ion:	43	Resp:	1812164
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.8	8.6
42	11.1	8.9	13.3
44	6.2	4.0	6.0#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

apatel
1/2/2020 10:48:31 AM



#24

1,1-Dichloroethane

Concen: 8.576 ppbv

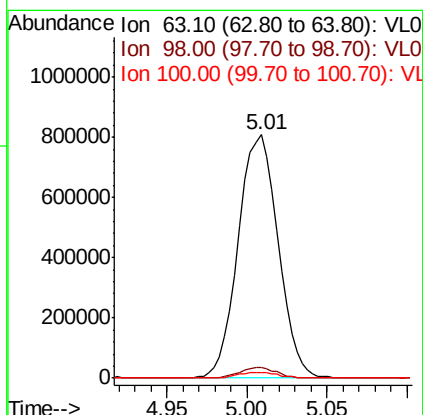
RT: 5.01 min Scan# 691

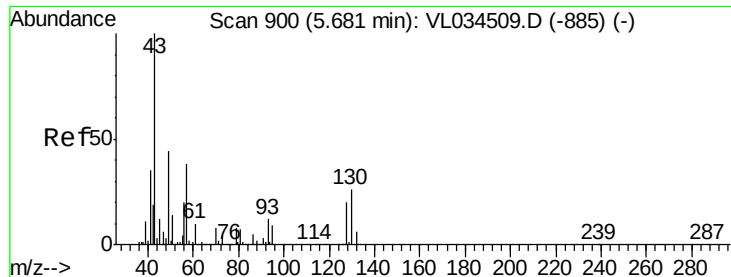
Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Tgt Ion:	63	Resp:	1374742
Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.9	5.7
100	2.2	1.4	4.0





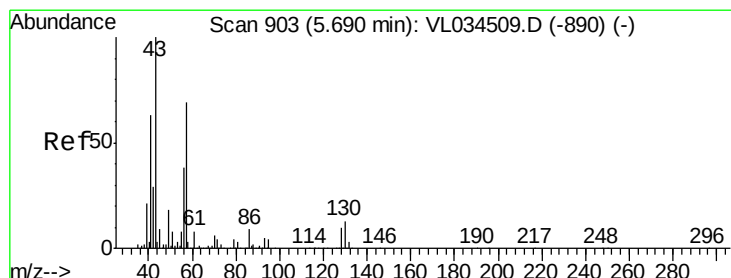
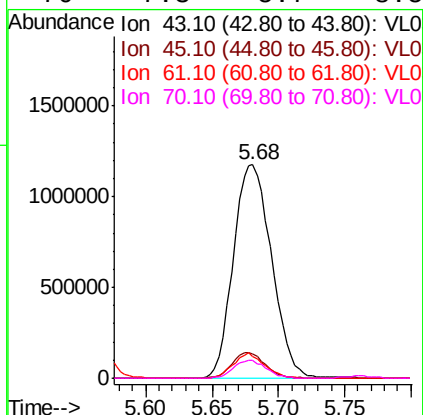
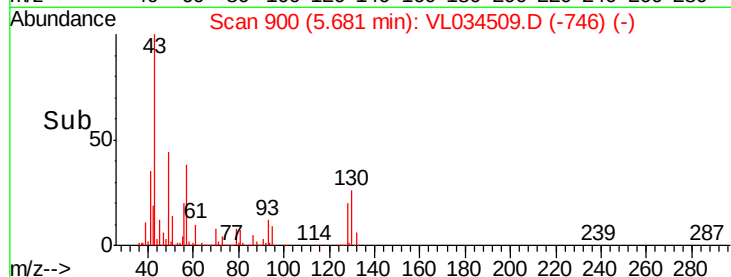
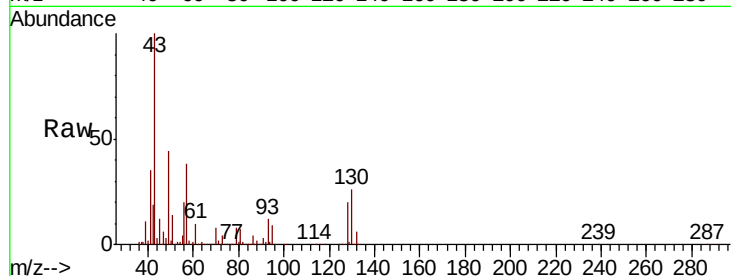
#25
Ethyl Acetate
Concen: 8.268 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.4	8.2	12.4	
61	9.7	7.5	11.3	
70	7.3	5.7	8.5	

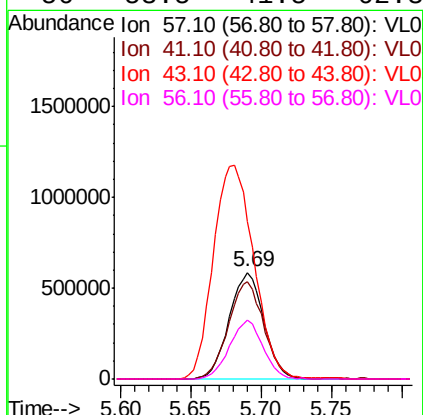
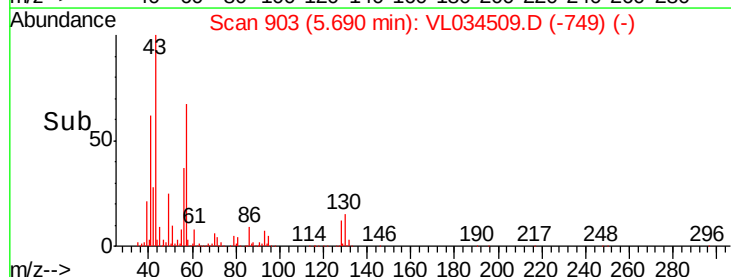
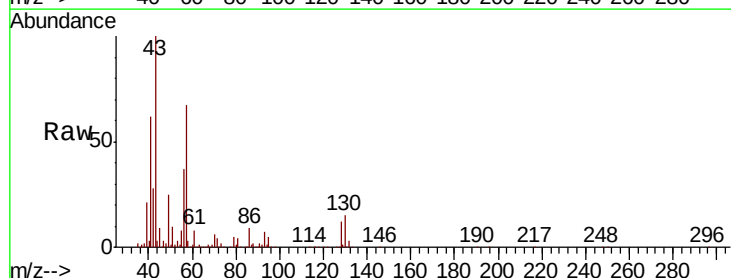
Manual Integrations
APPROVED

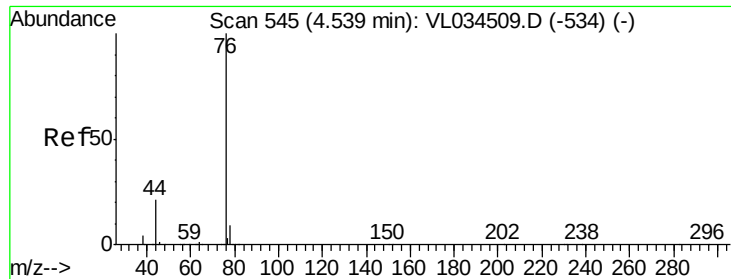
apatel
1/2/2020 10:48:31 AM



#26
Hexane
Concen: 8.168 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	94.1	75.0	112.4	
43	236.8	186.6	279.8	
56	53.5	41.5	62.3	





#27

Carbon Disulfide

Concen: 10.370 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1383501

Ion Ratio Lower Upper

76 100

44 20.8 17.0 25.4

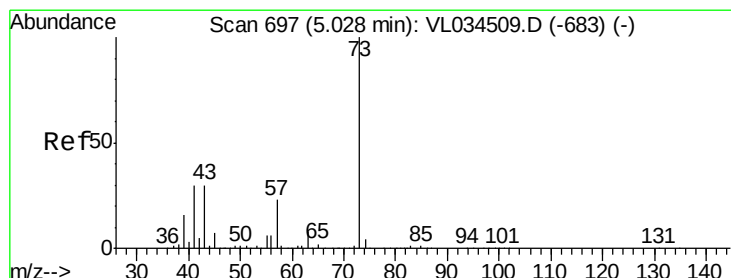
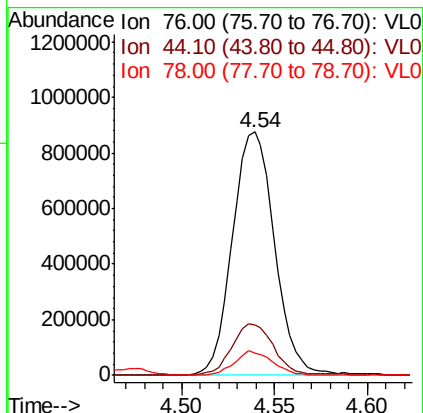
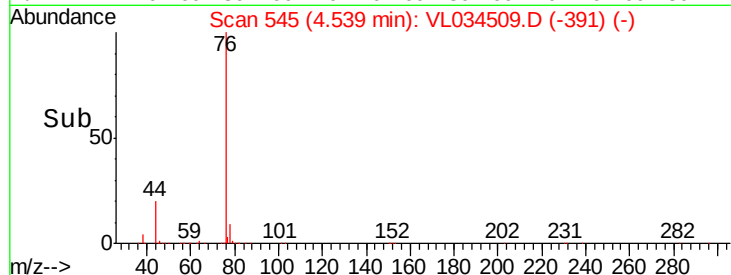
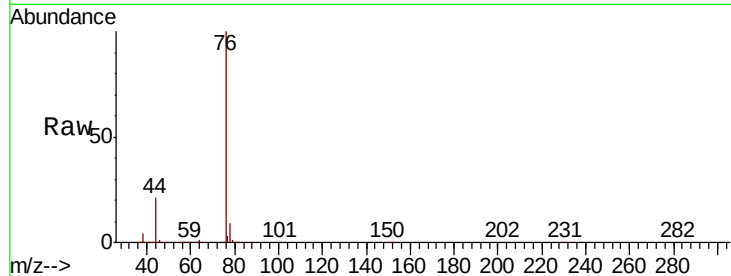
78 9.2 7.6 11.4

Manual Integrations

APPROVED

apatel

1/2/2020 10:48:31 AM



#28

Methyl tert-Butyl Ether

Concen: 8.677 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL034509.D

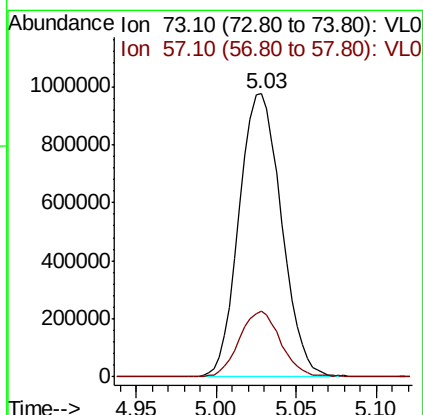
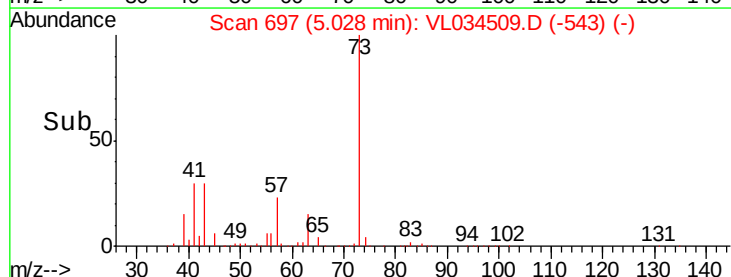
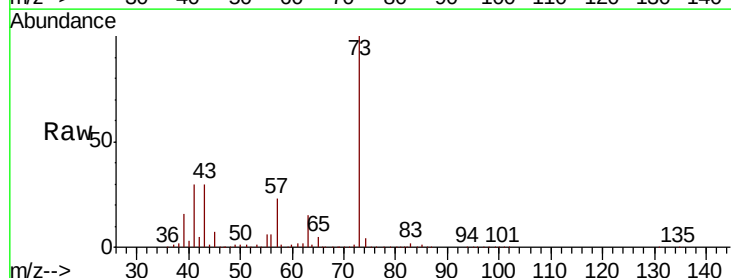
Acq: 30 Dec 2019 10:24

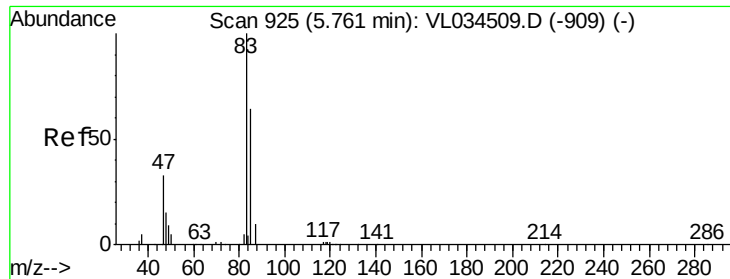
Tgt Ion: 73 Resp: 1762270

Ion Ratio Lower Upper

73 100

57 22.7 18.4 27.6





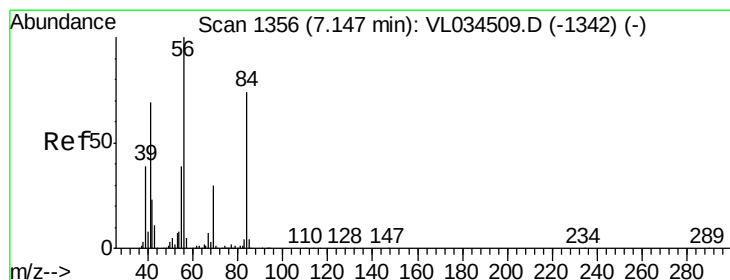
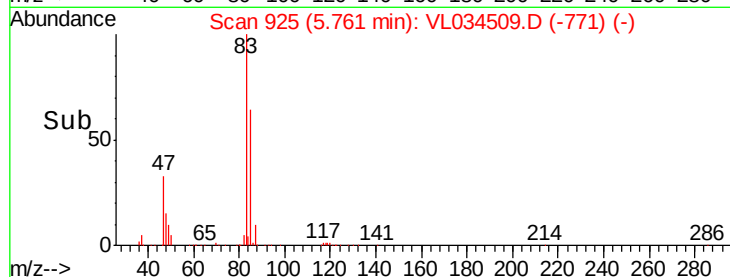
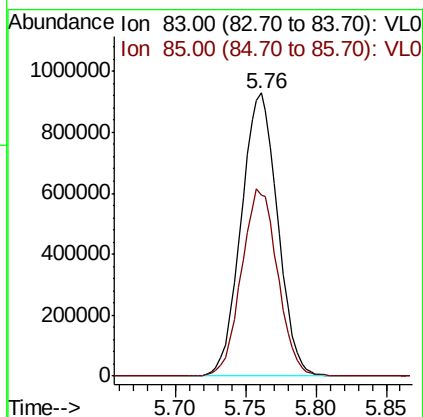
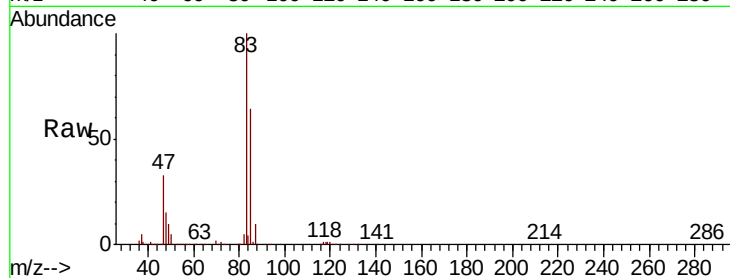
#29
Chloroform
Concen: 8.482 ppbv
RT: 5.76 min Scan# 925
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1682448
Ion Ratio Lower Upper
83 100
85 63.8 50.4 75.6

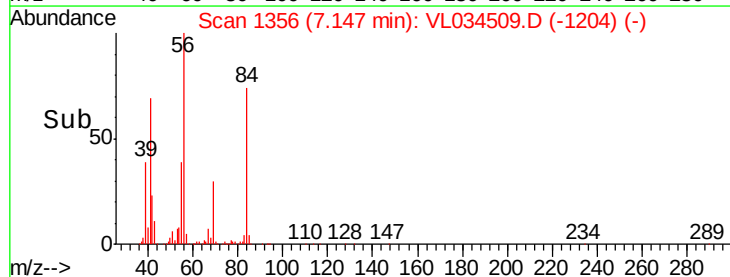
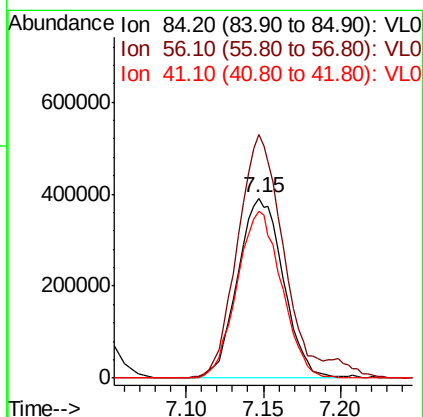
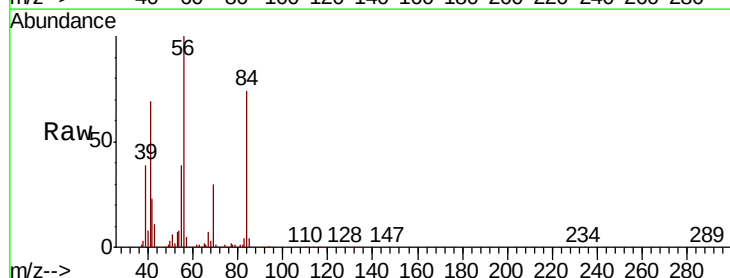
Manual Integrations
APPROVED

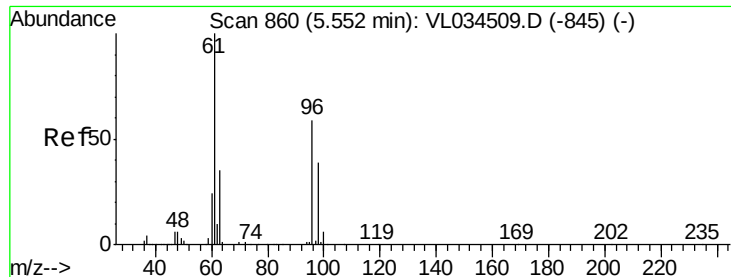
apatel
1/2/2020 10:48:31 AM



#30
Cyclohexane
Concen: 8.643 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 84 Resp: 800337
Ion Ratio Lower Upper
84 100
56 140.9 112.6 169.0
41 91.2 73.4 110.2





#31

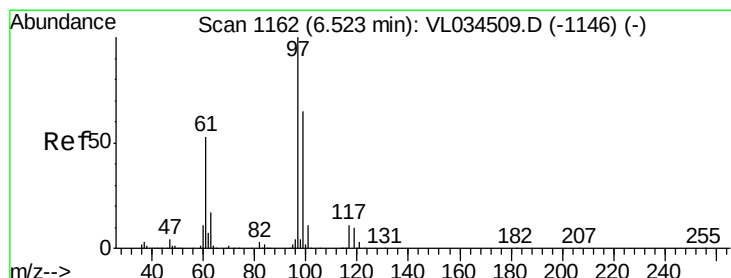
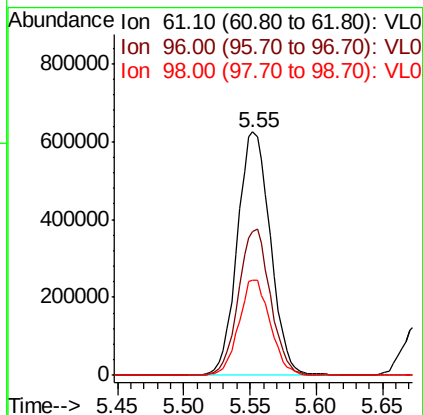
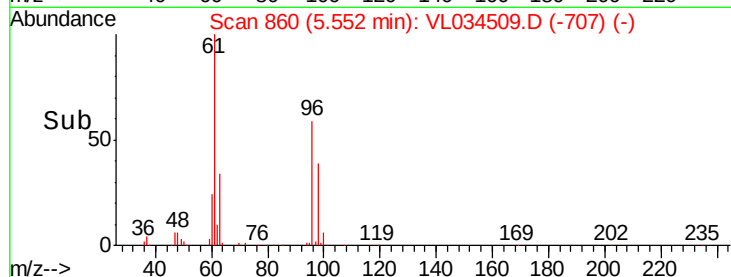
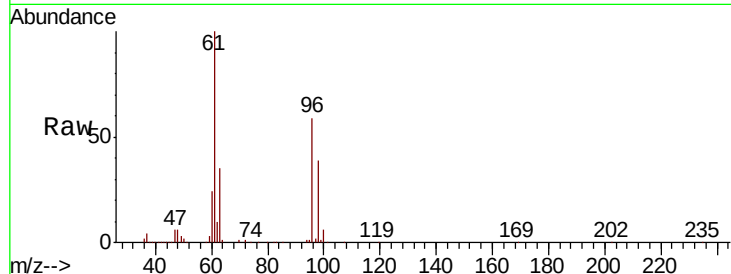
cis-1,2-Dichloroethene
Concen: 8.555 ppbv
RT: 5.55 min Scan# 860
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	58.9	47.4	71.2
98	38.8	30.6	45.8

Manual Integrations
APPROVED

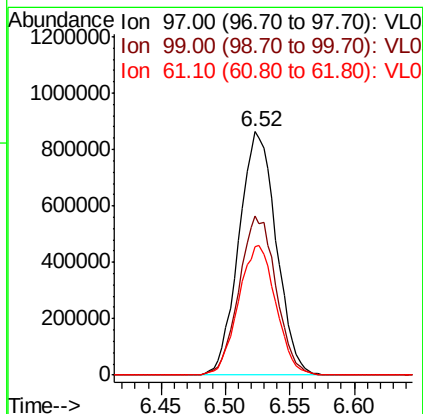
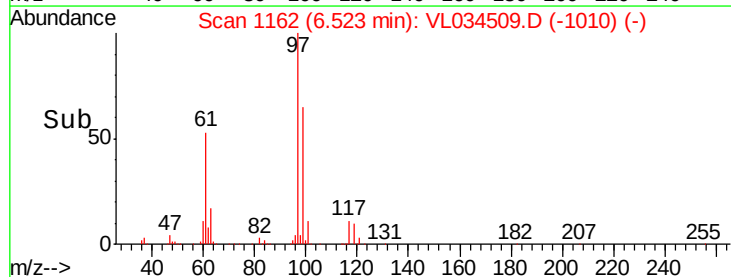
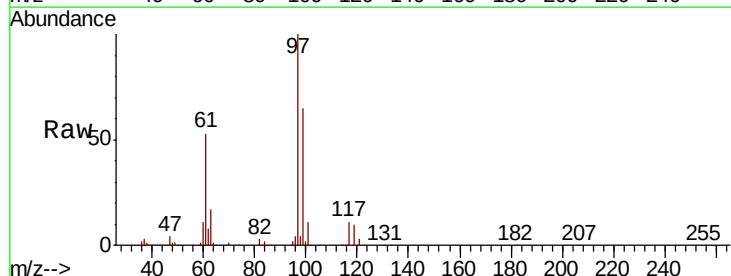
apatel
1/2/2020 10:48:31 AM

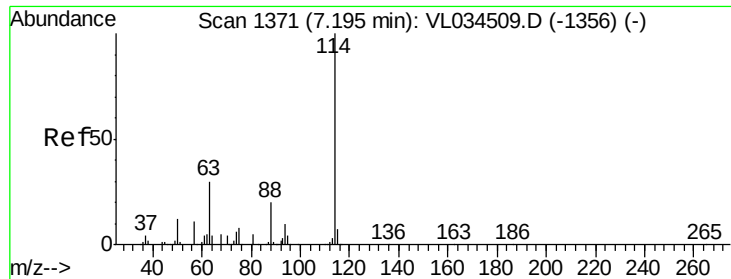


#32

1,1,1-Trichloroethane
Concen: 9.374 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.3	78.5
61	53.6	43.7	65.5





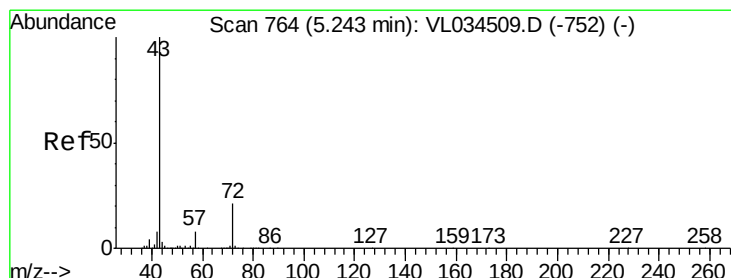
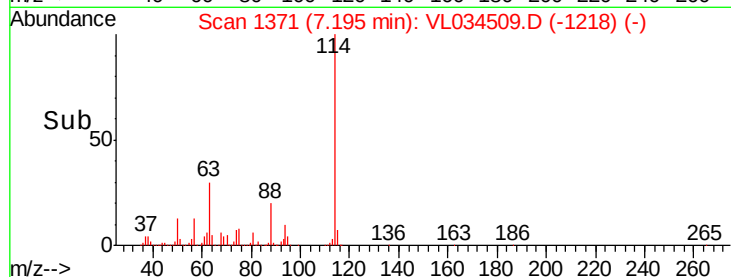
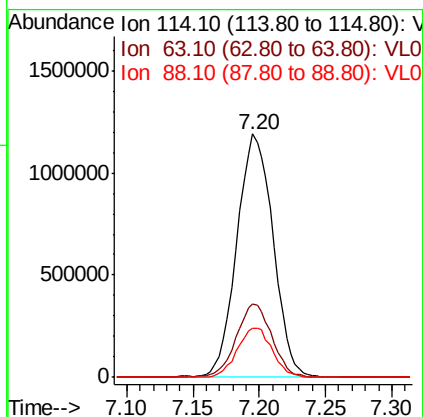
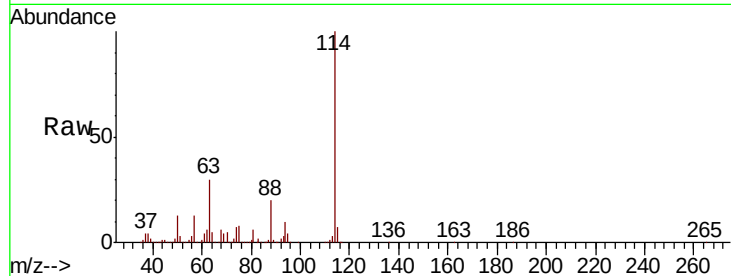
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.2	36.4
88	19.6	15.9	23.9

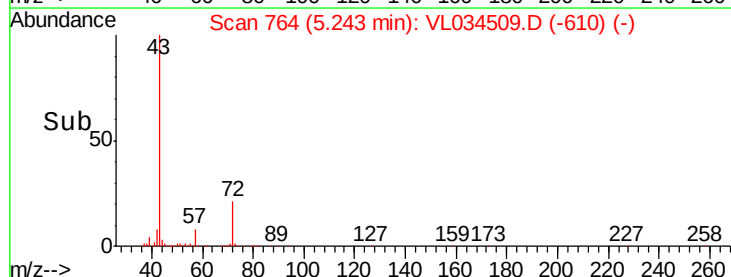
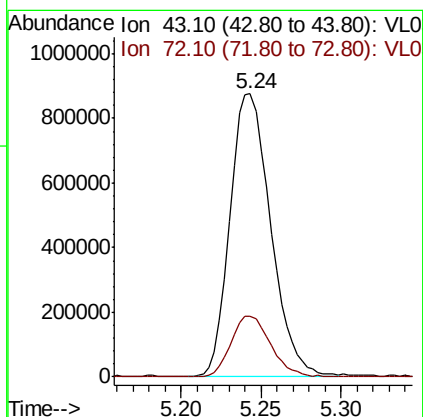
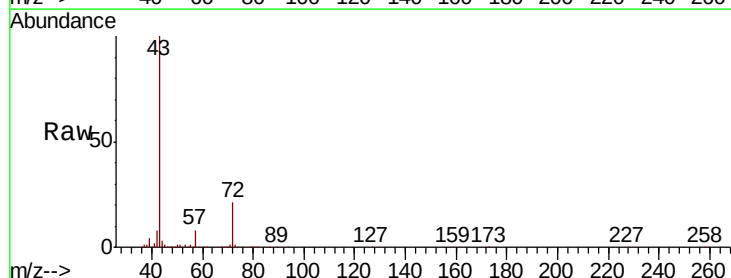
Manual Integrations
 APPROVED

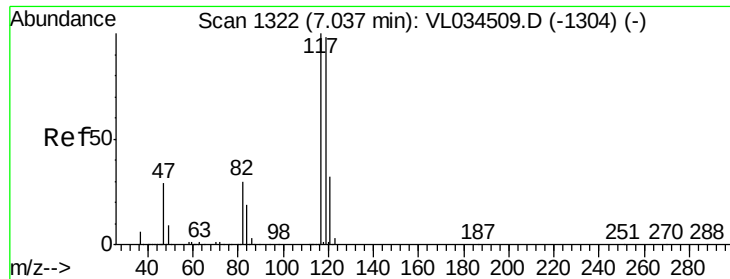
apatel
 1/2/2020 10:48:31 AM



#34
 2-Butanone
 Concen: 8.151 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.0	25.6





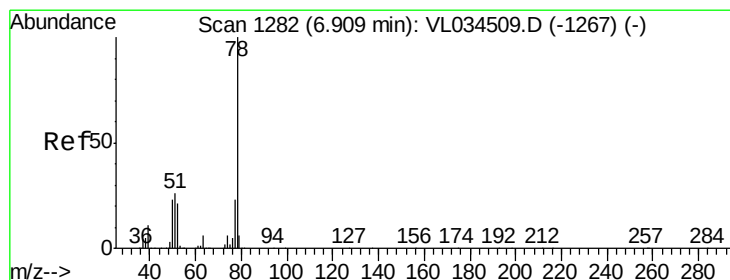
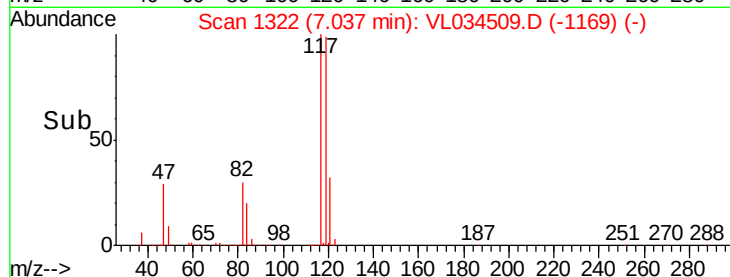
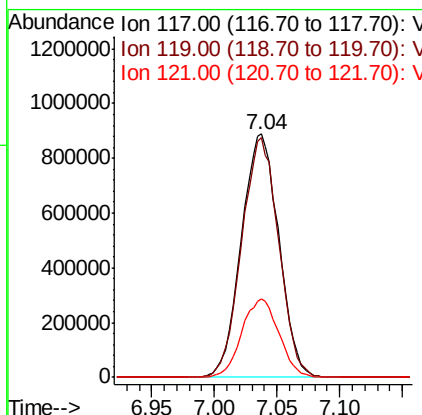
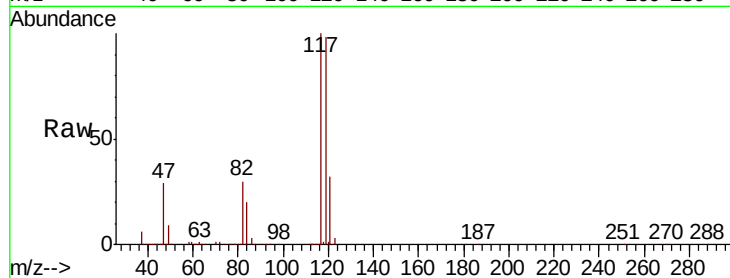
#35
Carbon Tetrachloride
Concen: 9.478 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.3	115.9
121	32.4	27.4	41.2

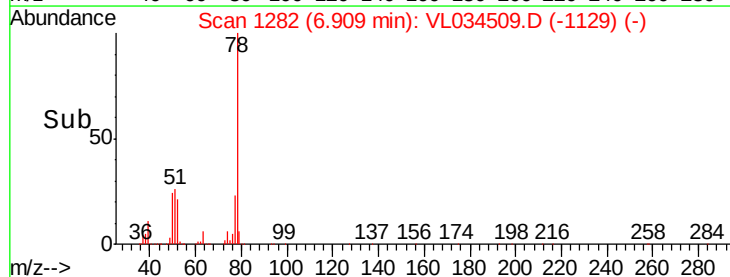
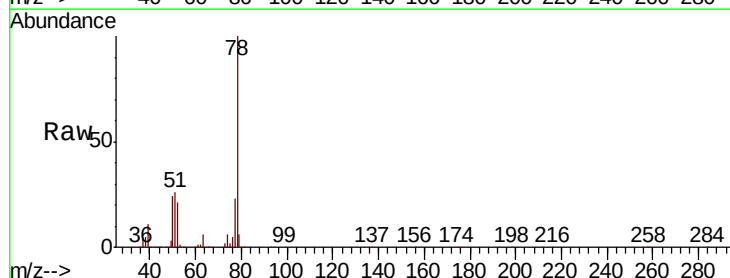
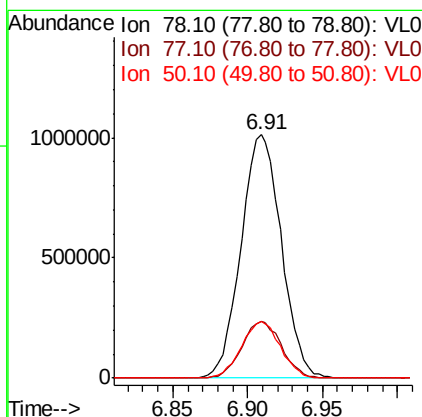
Manual Integrations
APPROVED

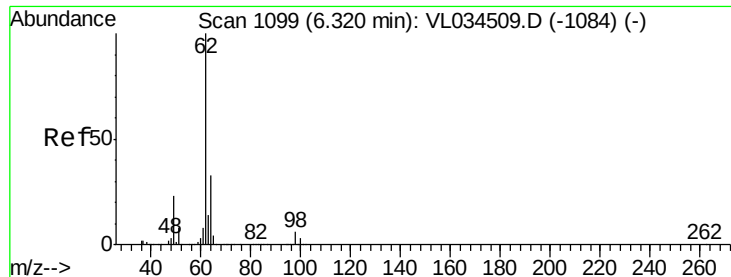
apatel
1/2/2020 10:48:31 AM



#36
Benzene
Concen: 8.399 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.2	30.4
50	23.5	17.1	25.7





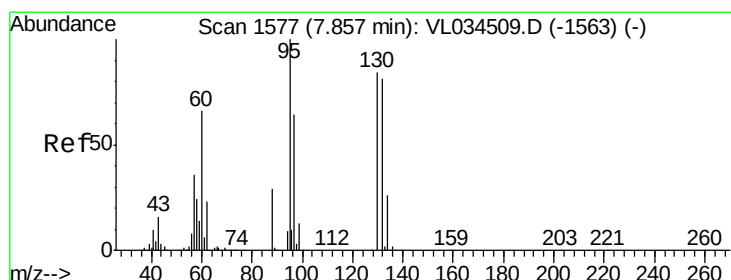
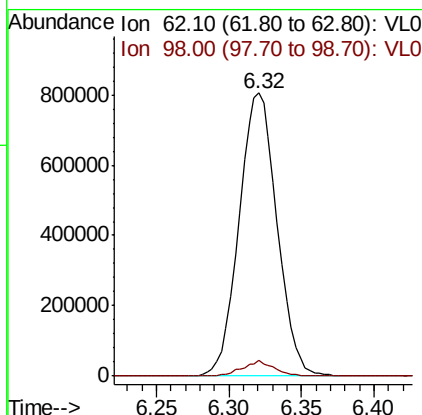
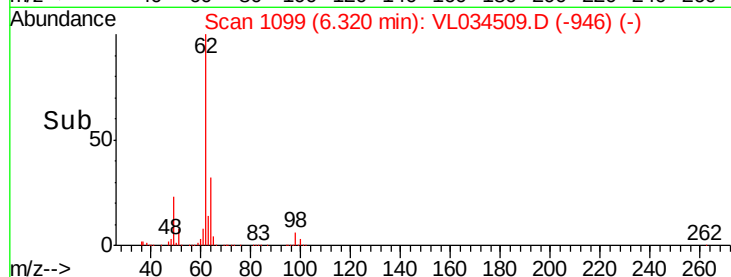
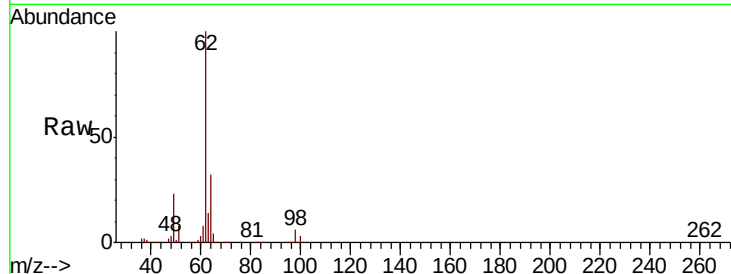
#37
 1,2-Dichloroethane
 Concen: 8.700 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.7	3.8	5.8

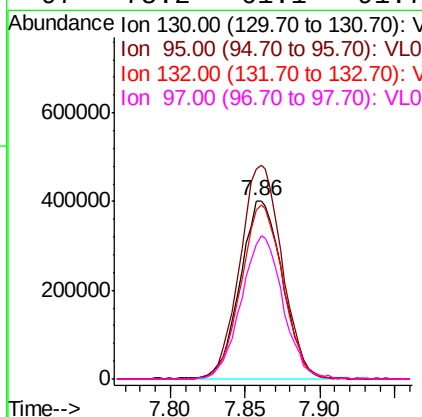
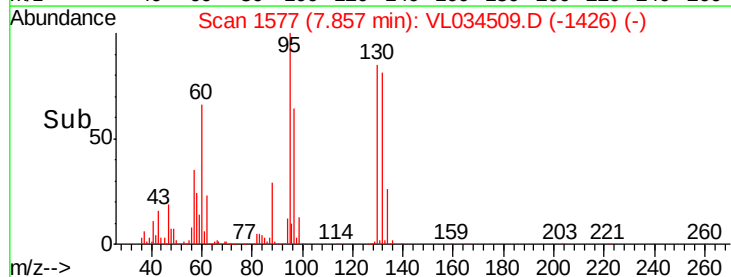
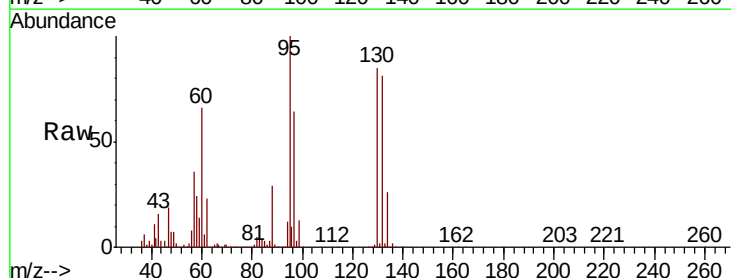
Manual Integrations
 APPROVED

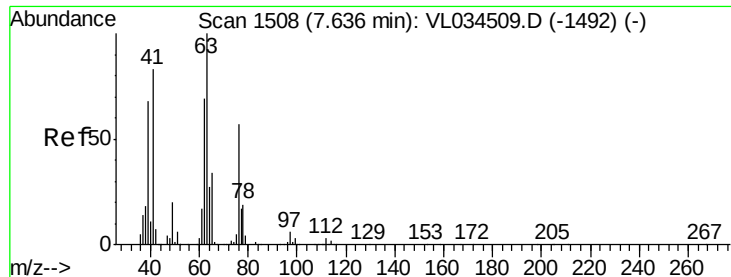
apatel
 1/2/2020 10:48:31 AM



#38
 Trichloroethene
 Concen: 8.510 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	117.7	93.4	140.0
132	95.1	76.4	114.6
97	75.2	61.1	91.7





#39

1,2-Dichloropropane

Concen: 8.991 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

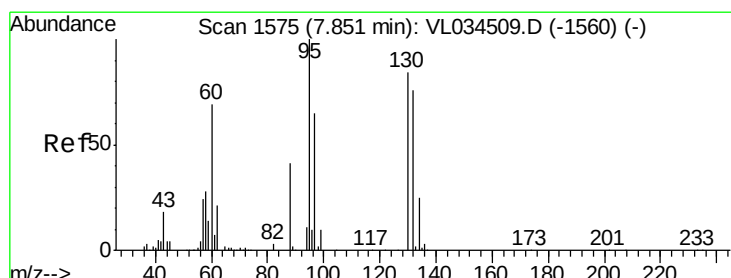
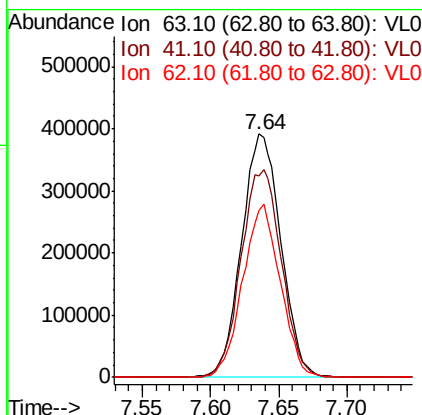
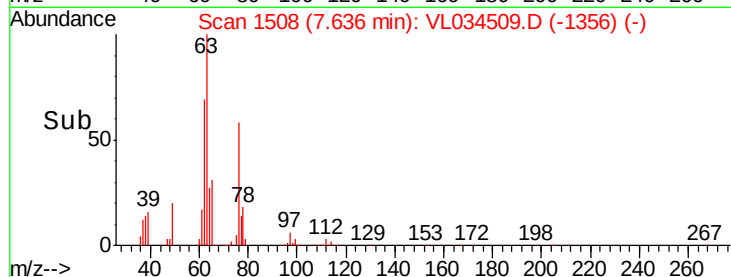
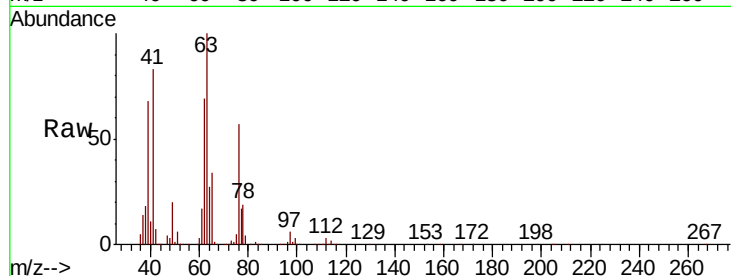
ClientSampled :

VSTDICCC010

Tot Ion:	63	Resp:	783670
Ion Ratio	Lower	Upper	
63	100		
41	82.6	63.1	94.7
62	68.6	52.3	78.5

Manual Integrations
APPROVED

apatel
1/2/2020 10:48:31 AM



#40

1,4-Dioxane

Concen: 7.985 ppbv

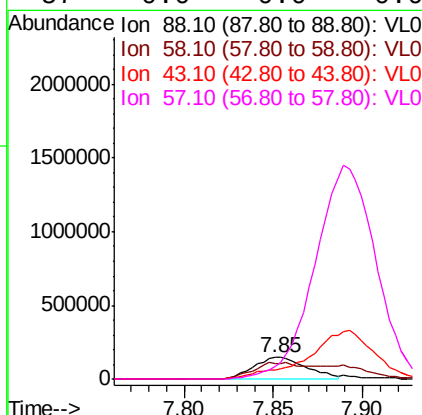
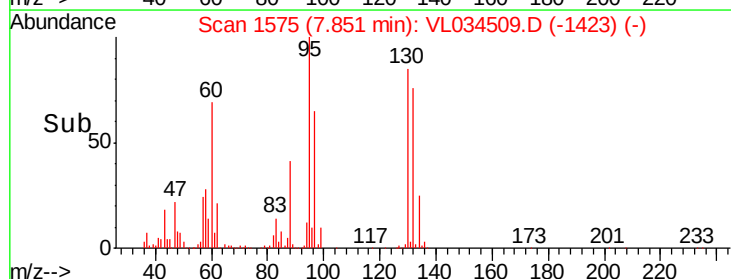
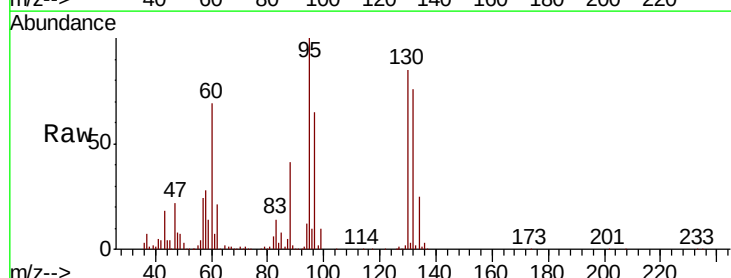
RT: 7.85 min Scan# 1575

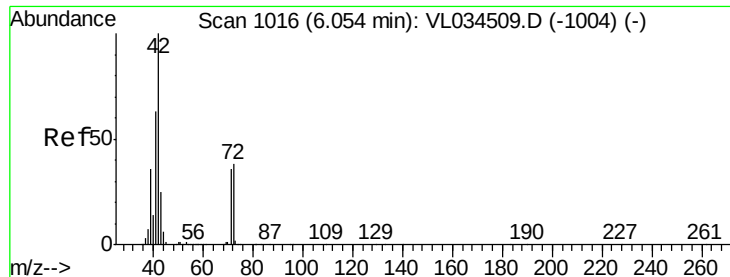
Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Tgt Ion:	88	Resp:	304011
Ion Ratio	Lower	Upper	
88	100		
58	134.9	109.5	164.3
43	0.0	0.0	0.0
57	0.0	0.0	0.0





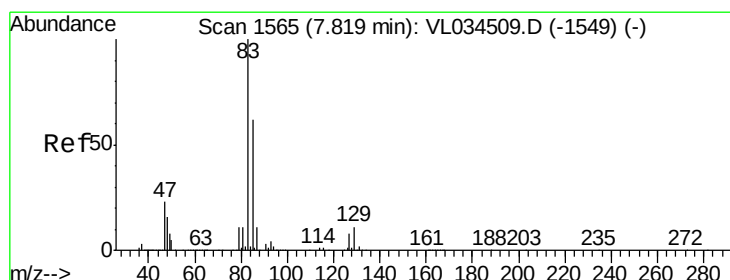
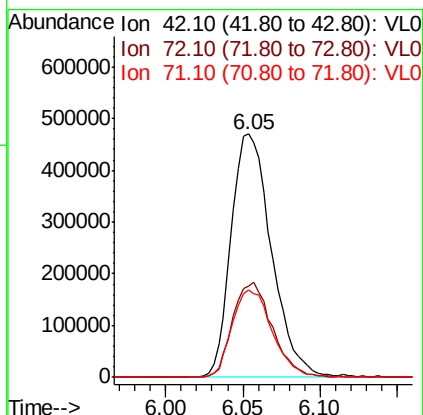
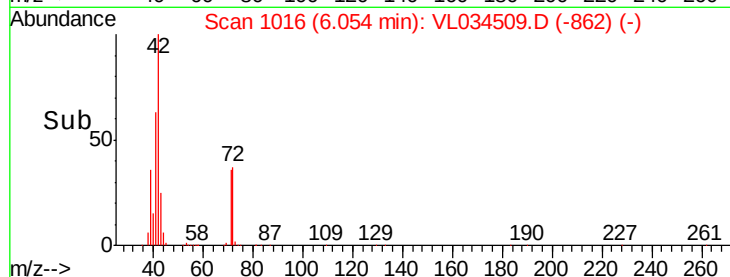
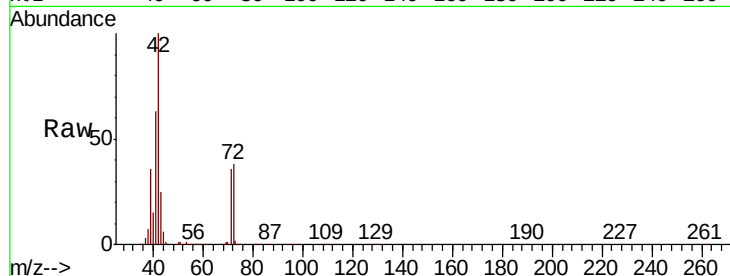
#41
Tetrahydrofuran
Concen: 8.152 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.2	45.4
71	36.1	29.4	44.2

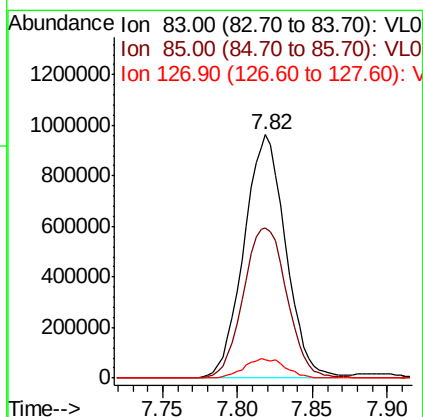
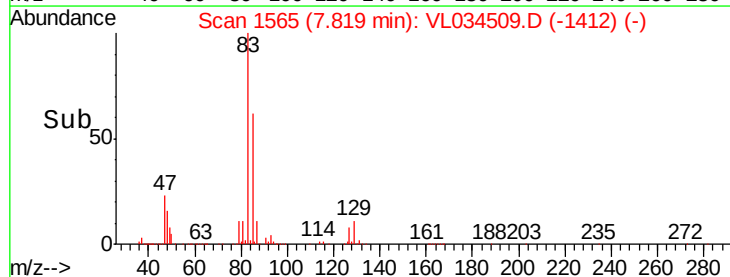
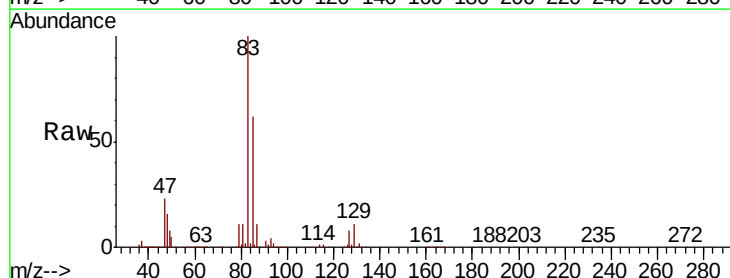
Manual Integrations
APPROVED

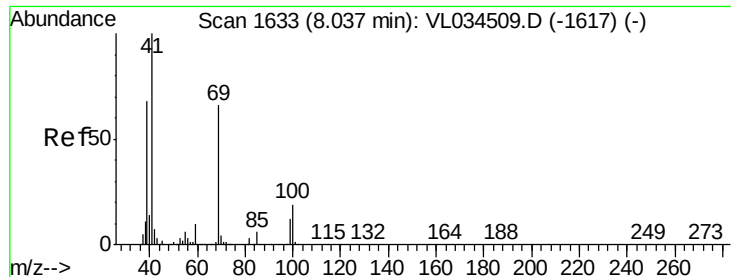
apatel
1/2/2020 10:48:31 AM



#42
Bromodichloromethane
Concen: 8.890 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.3	78.5
127	7.8	6.1	9.1





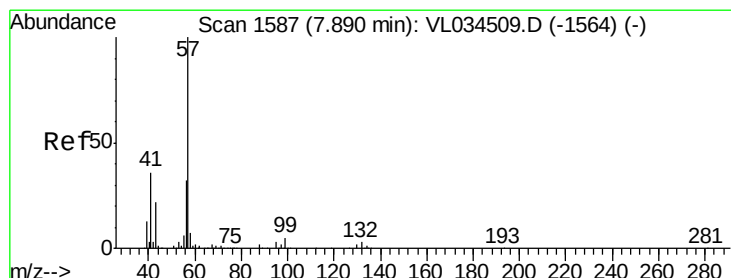
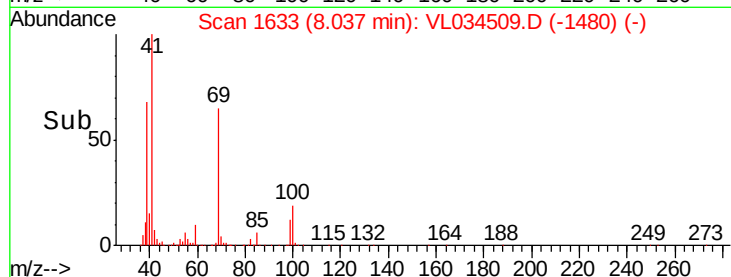
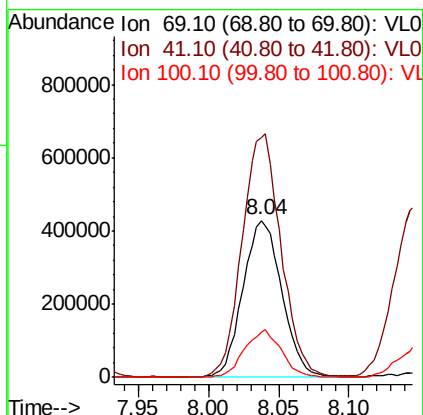
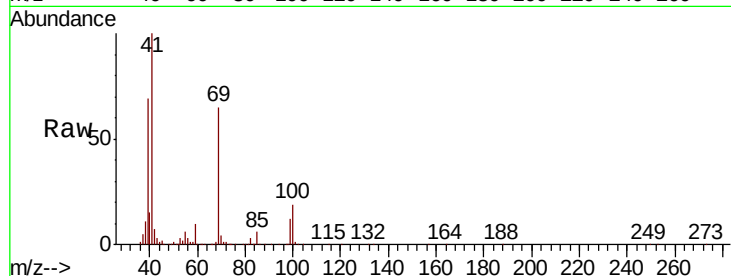
#43
Methyl Methacrylate
Concen: 8.839 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	155.0	127.4	191.2
100	28.9	24.2	36.4

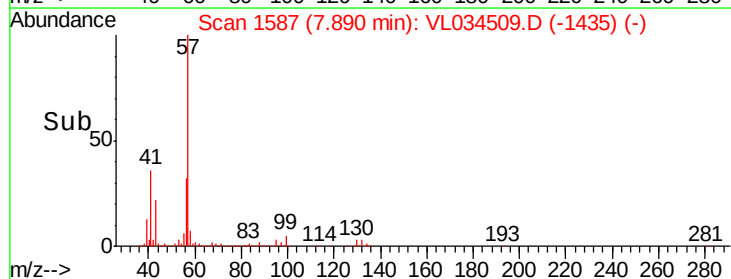
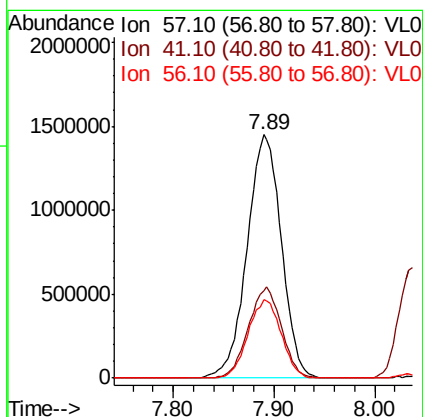
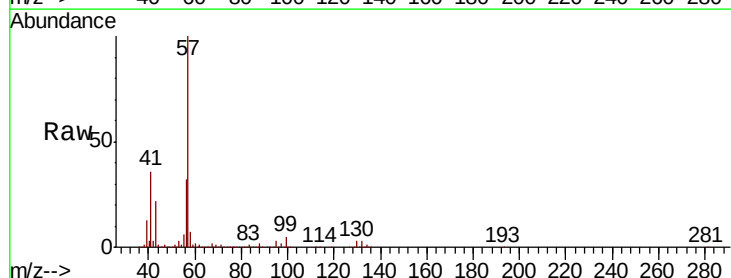
Manual Integrations
APPROVED

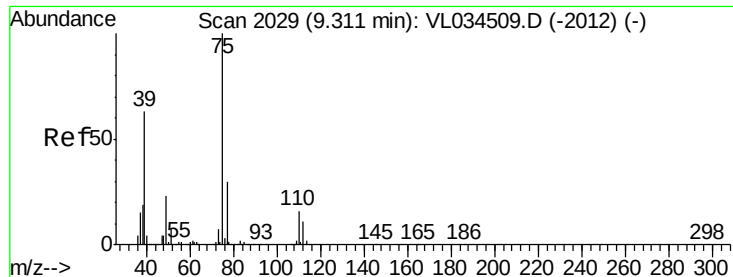
apatel
1/2/2020 10:48:31 AM



#44
2,2,4-Trimethylpentane
Concen: 8.256 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.2	28.6	42.8
56	31.1	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 9.687 ppbv

RT: 9.31 min Scan# 2029

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 75 Resp: 1165726

Ion Ratio Lower Upper

75 100

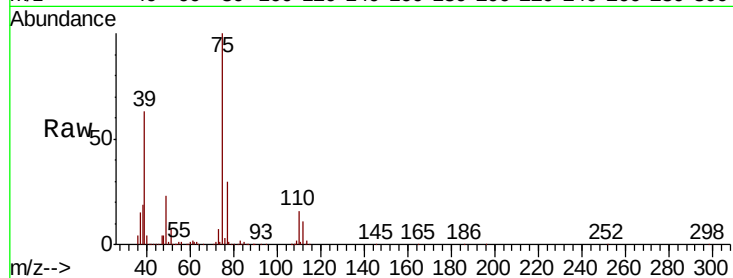
77 30.2 25.4 38.2

Manual Integrations

APPROVED

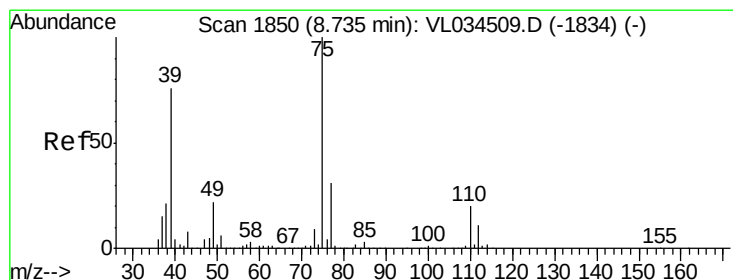
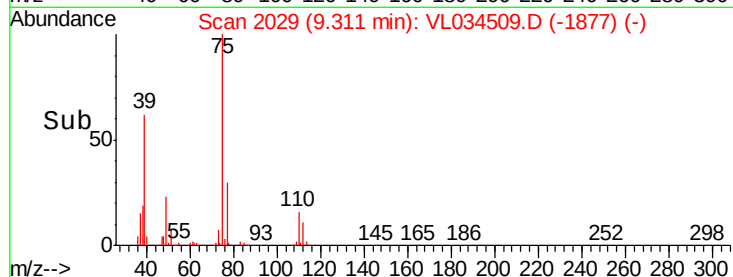
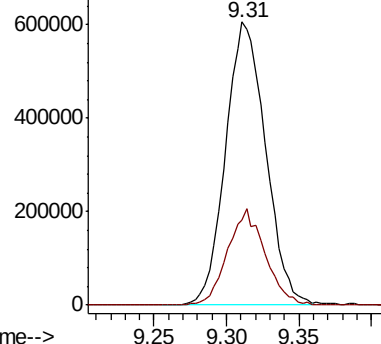
apatel

1/2/2020 10:48:31 AM



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: 9.474 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

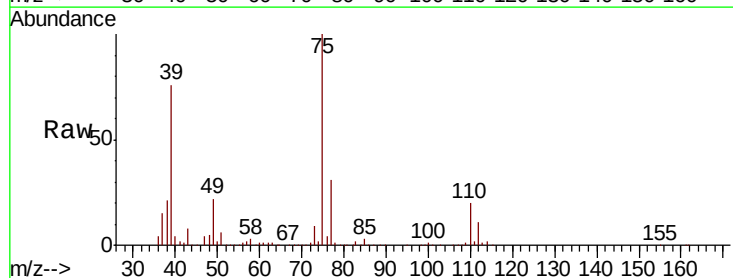
Tgt Ion: 75 Resp: 1280626

Ion Ratio Lower Upper

75 100

39 75.6 59.0 88.6

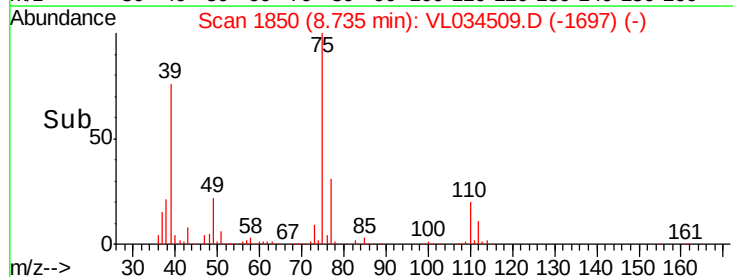
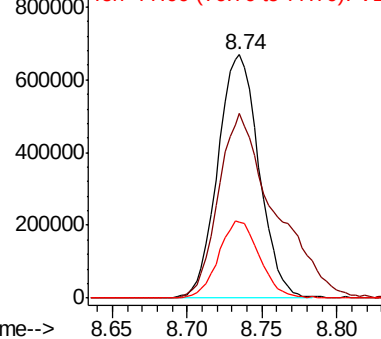
77 31.0 26.4 39.6

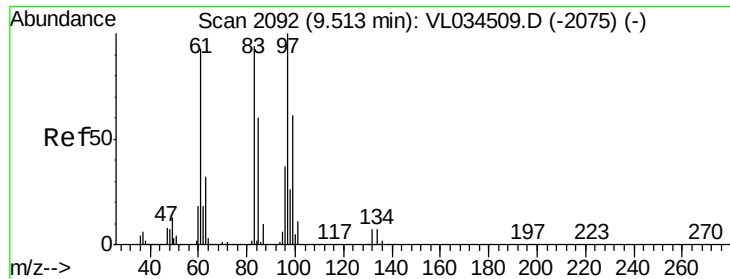


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





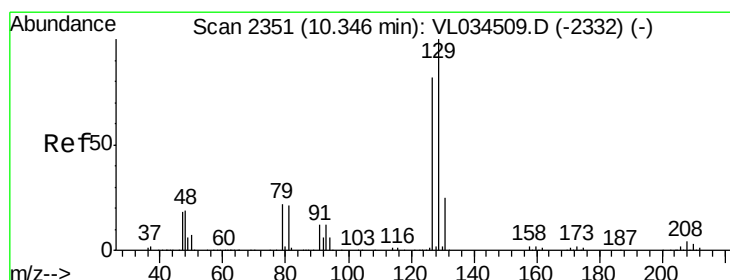
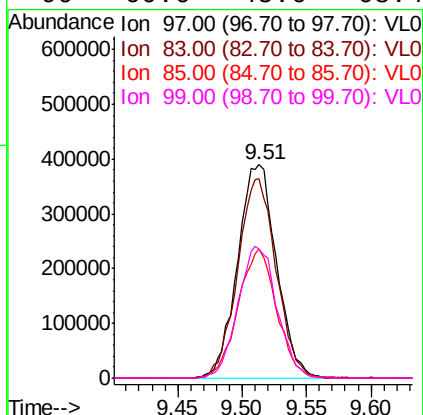
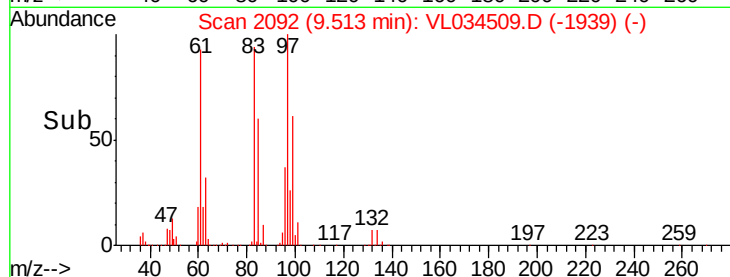
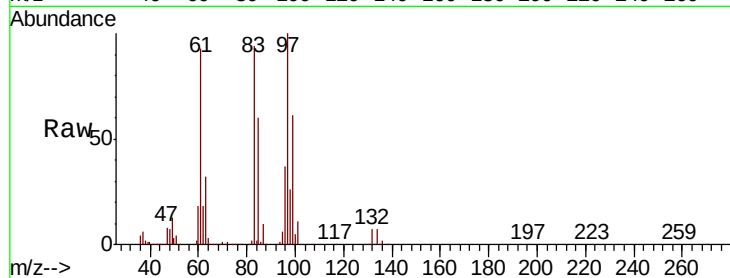
#47
 1,1,2-Trichloroethane
 Concen: 8.467 ppbv
 RT: 9.51 min Scan# 2092
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	93.7	74.6	112.0
85	60.3	43.8	65.8
99	60.6	45.6	68.4

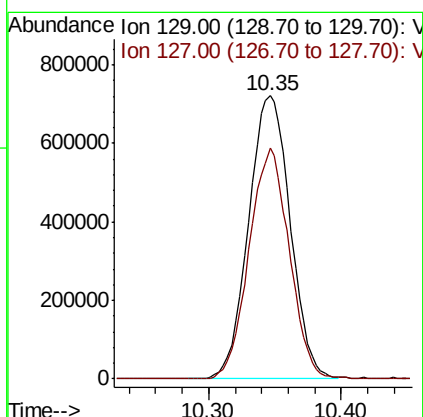
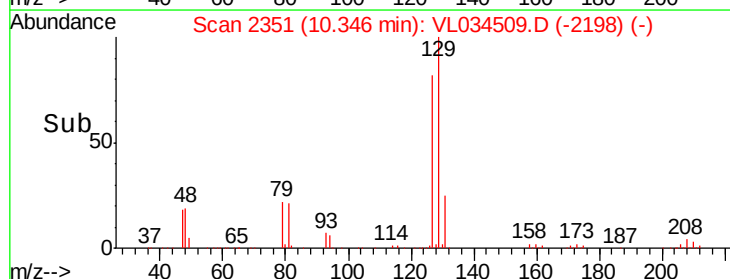
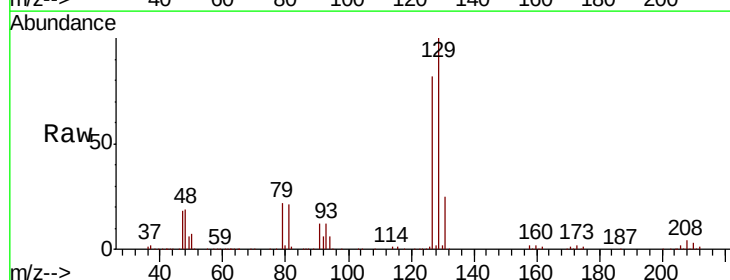
Manual Integrations
 APPROVED

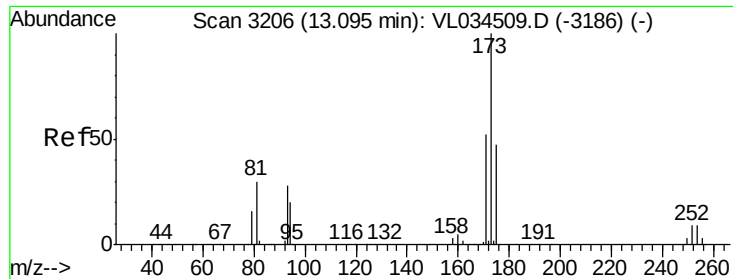
apatel
 1/2/2020 10:48:31 AM



#48
 Dibromochloromethane
 Concen: 9.454 ppbv
 RT: 10.35 min Scan# 2351
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.5





#49

Bromoform

Concen: 9.603 ppbv

RT: 13.10 min Scan# 3206

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 1427021

Ion Ratio Lower Upper

173 100

175 49.8 39.3 58.9

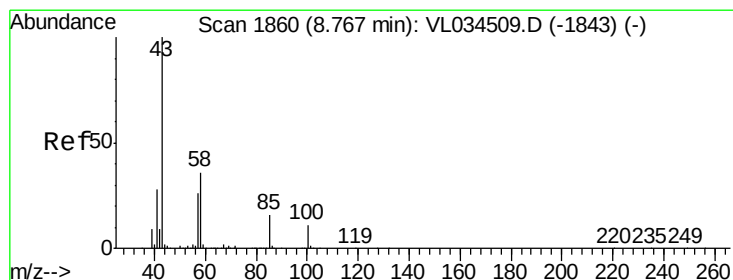
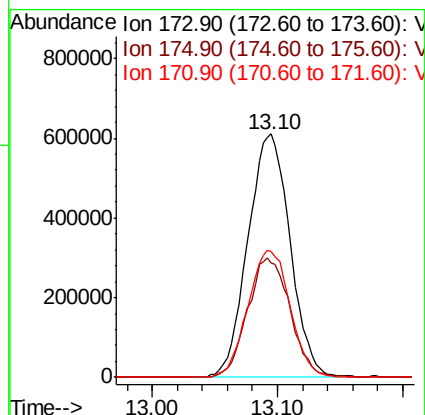
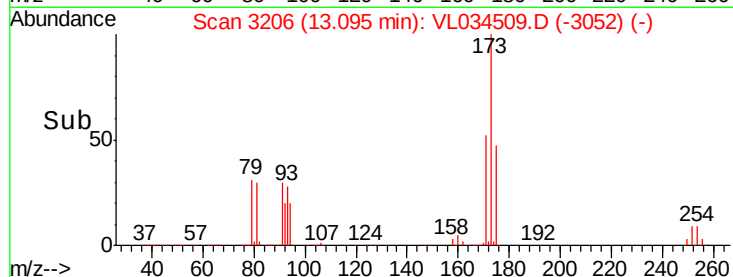
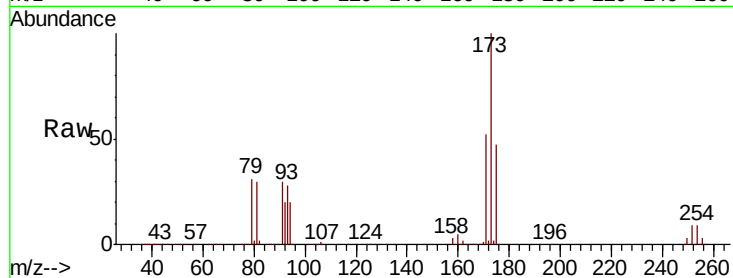
171 52.6 42.4 63.6

Manual Integrations

APPROVED

apatel

1/2/2020 10:48:31 AM



#50

4-Methyl-2-Pentanone

Concen: 8.327 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. -0.01 min

Lab File: VL034509.D

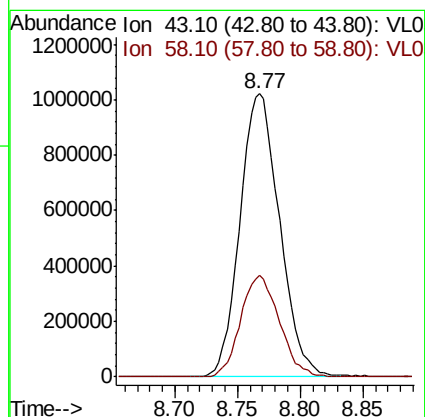
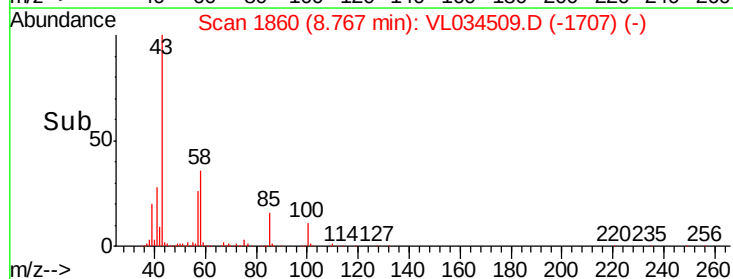
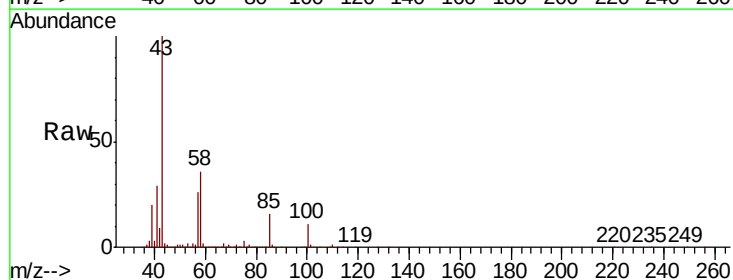
Acq: 30 Dec 2019 10:24

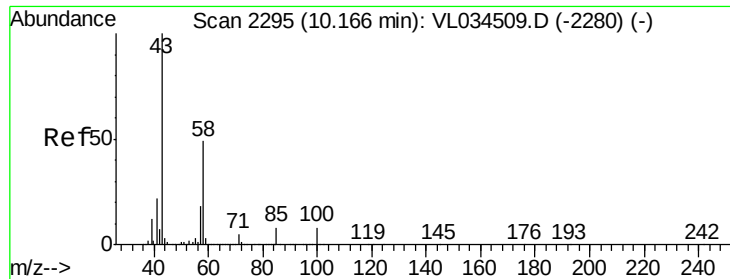
Tgt Ion: 43 Resp: 2244411

Ion Ratio Lower Upper

43 100

58 35.2 27.9 41.9





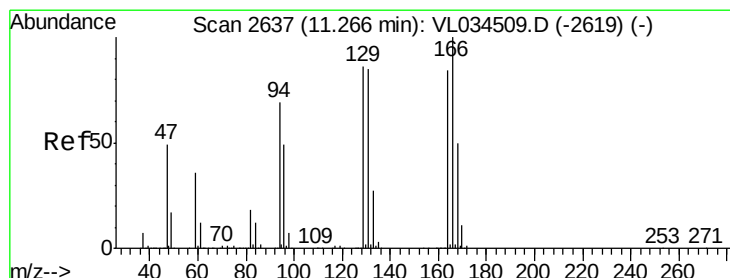
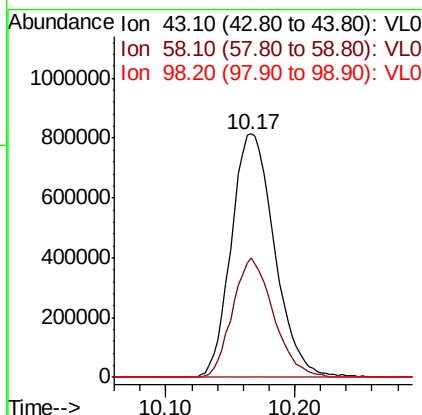
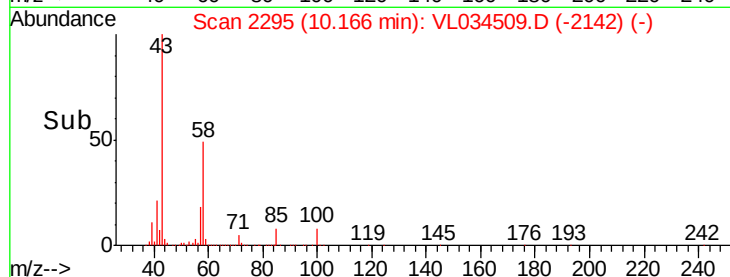
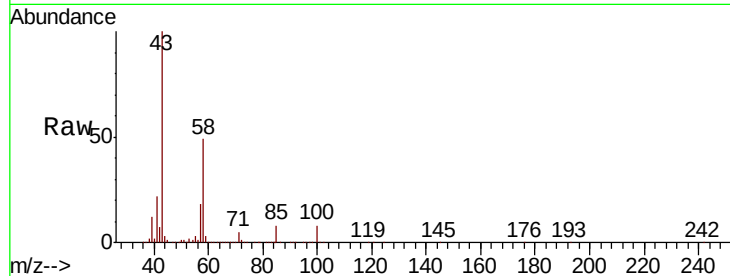
#51
2-Hexanone
Concen: 8.409 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1898383
Ion Ratio Lower Upper
43 100
58 46.7 38.2 57.4
98 0.2 0.2 0.2#

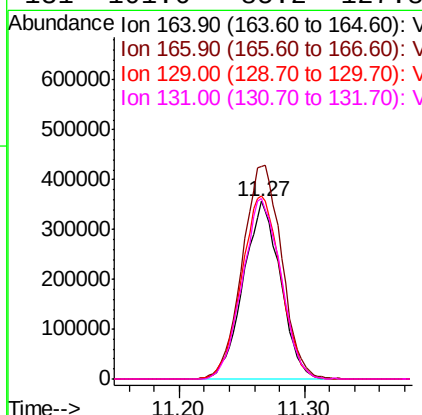
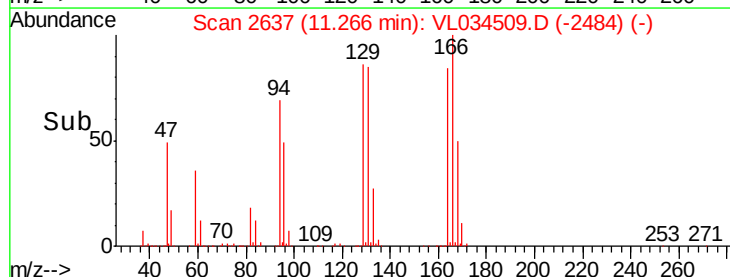
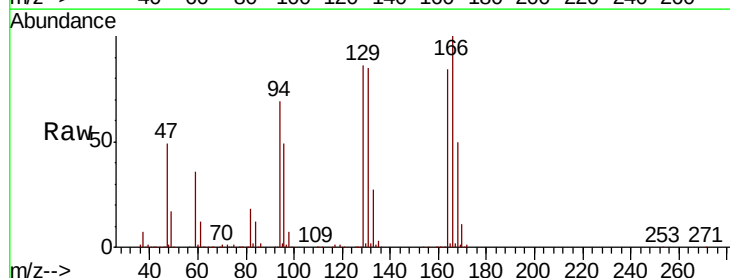
Manual Integrations
APPROVED

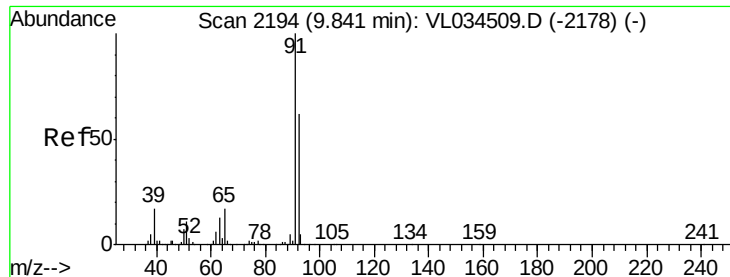
apatel
1/2/2020 10:48:31 AM



#52
Tetrachloroethene
Concen: 7.478 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 164 Resp: 731973
Ion Ratio Lower Upper
164 100
166 119.6 101.7 152.5
129 102.7 82.6 123.8
131 101.6 85.2 127.8





#53

Toluene

Concen: 8.634 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2218646

Ion Ratio Lower Upper

91 100

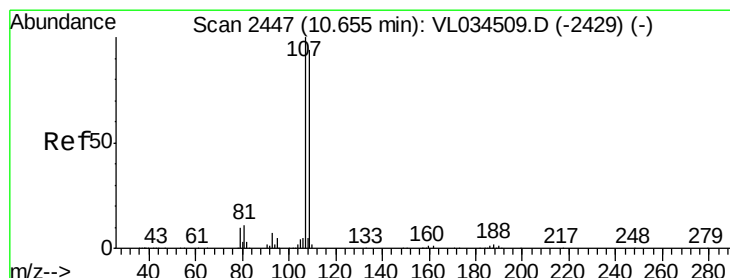
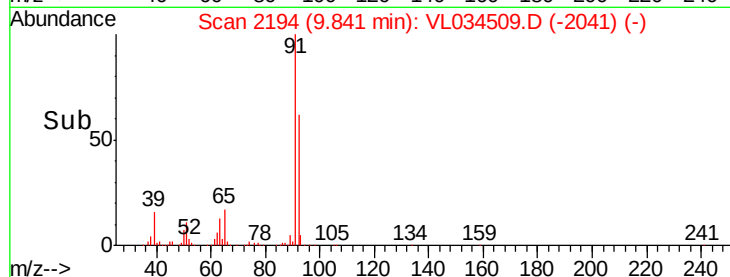
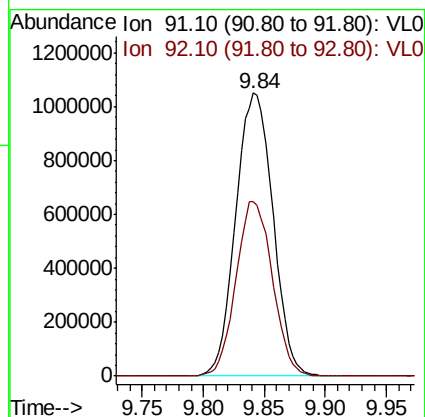
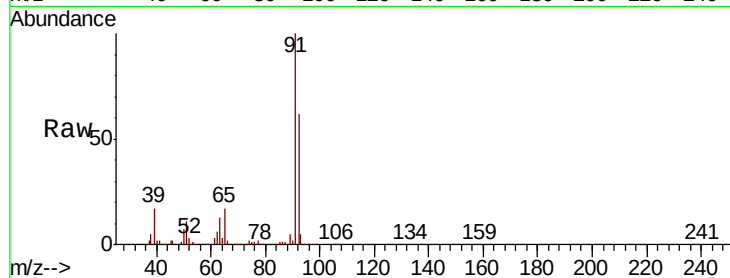
92 60.5 47.9 71.9

Manual Integrations

APPROVED

apatel

1/2/2020 10:48:31 AM



#54

1,2-Dibromoethane

Concen: 8.413 ppbv

RT: 10.65 min Scan# 2447

Delta R.T. -0.01 min

Lab File: VL034509.D

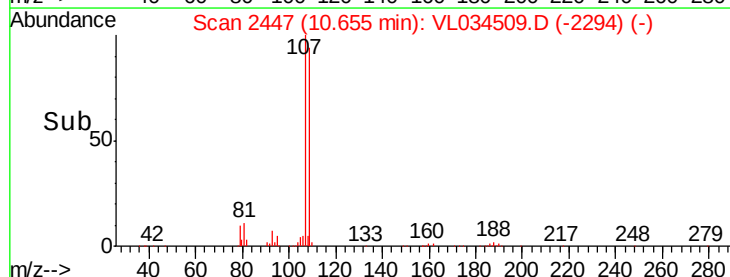
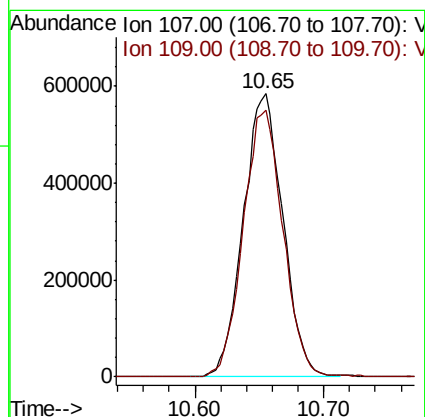
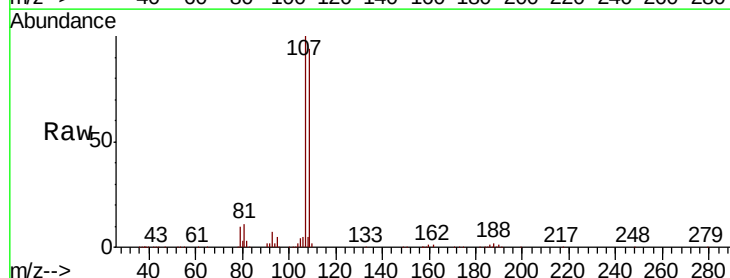
Acq: 30 Dec 2019 10:24

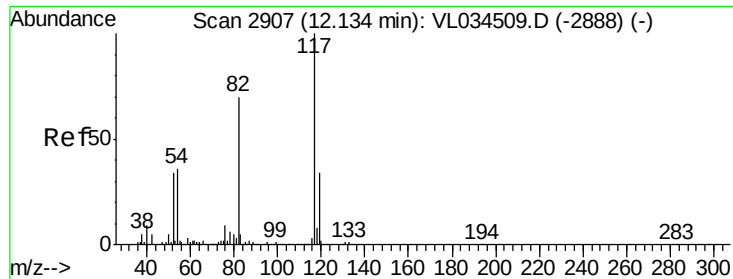
Tgt Ion: 107 Resp: 1250482

Ion Ratio Lower Upper

107 100

109 94.4 73.0 109.4





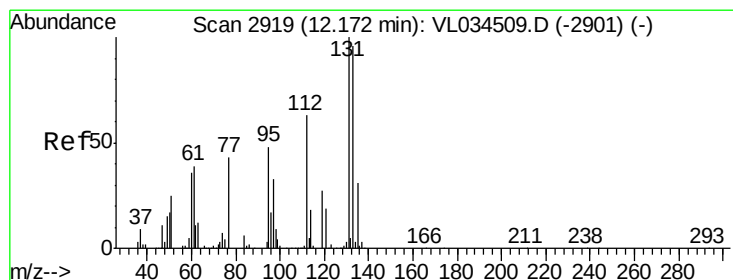
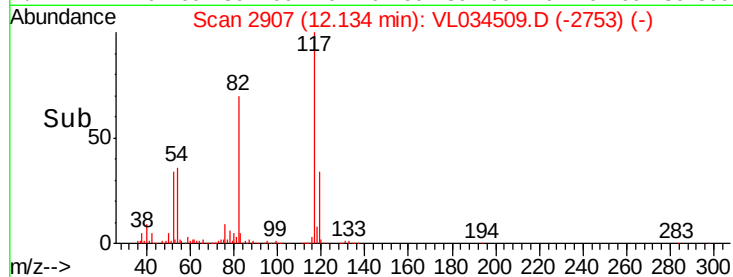
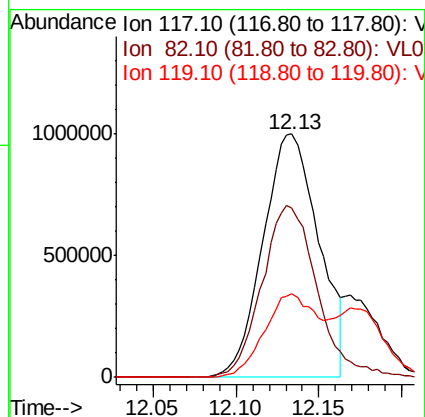
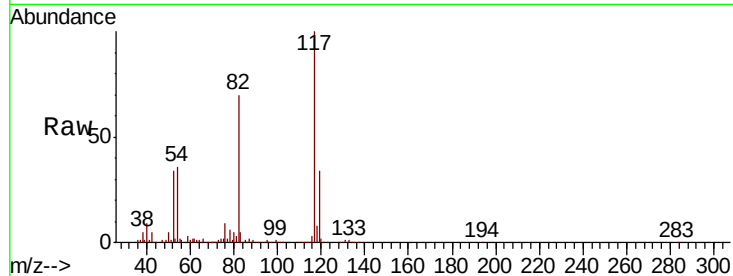
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.3	57.5	86.3
119	33.9	25.4	38.2

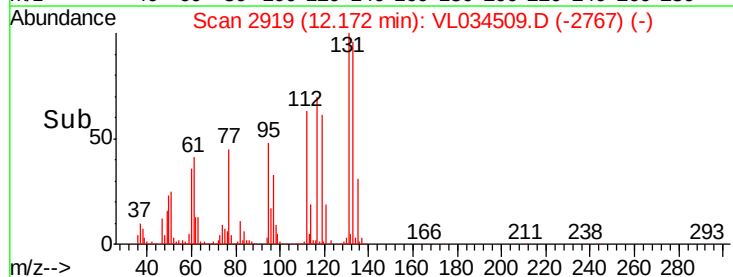
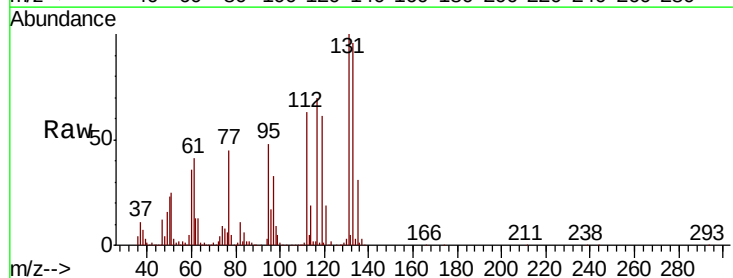
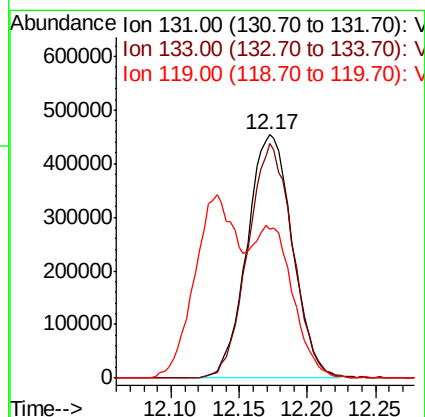
Manual Integrations
APPROVED

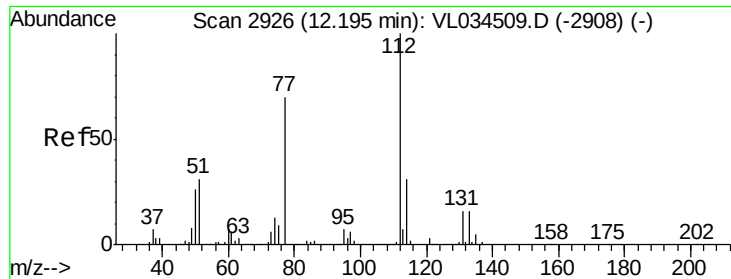
apatel
1/2/2020 10:48:31 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.156 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	76.2	114.2
119	58.9	44.6	67.0





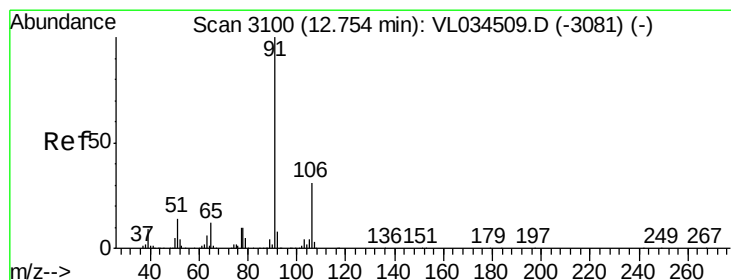
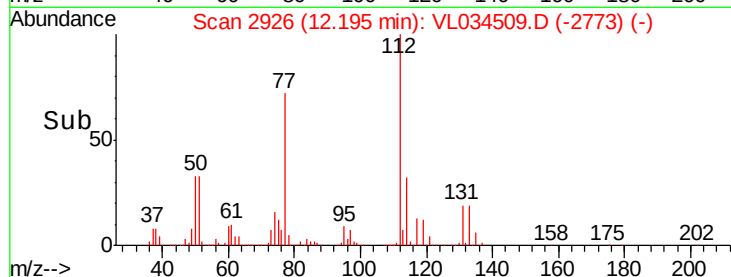
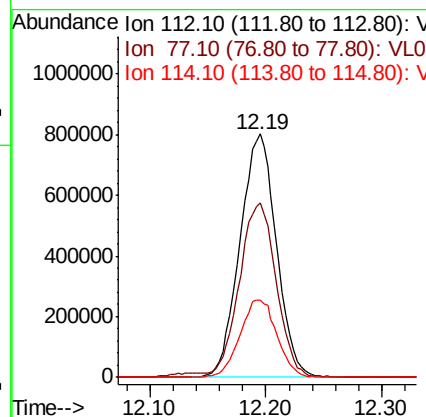
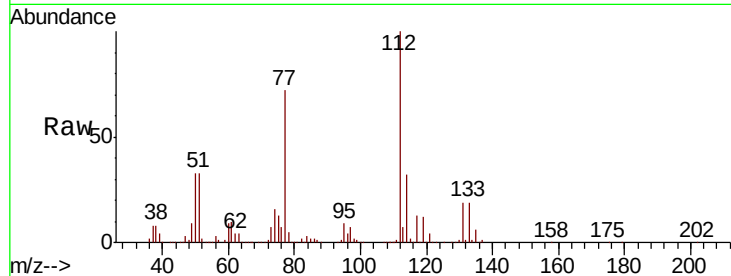
#57
Chlorobenzene
Concen: 8.281 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:112 Resp: 1749373
Ion Ratio Lower Upper
112 100
77 71.7 57.1 85.7
114 31.6 28.5 34.9

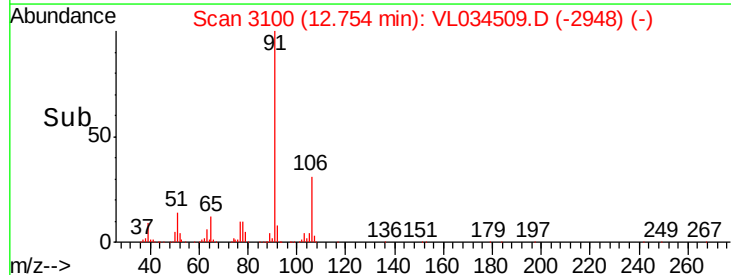
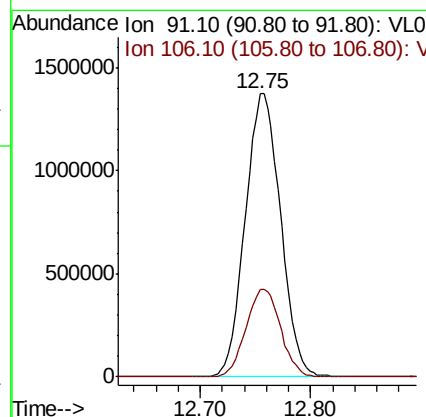
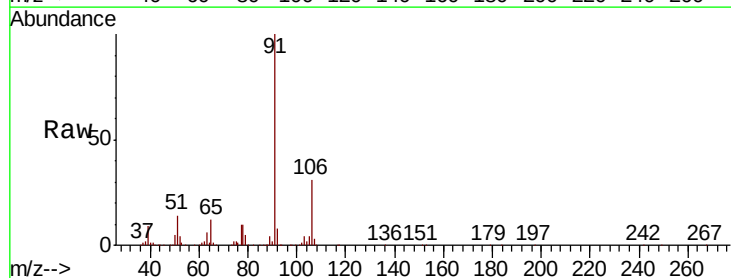
Manual Integrations
APPROVED

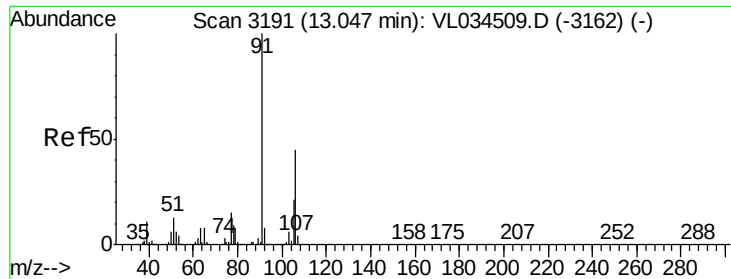
apatel
1/2/2020 10:48:31 AM



#58
Ethyl Benzene
Concen: 8.411 ppbv
RT: 12.75 min Scan# 3100
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 91 Resp: 3050460
Ion Ratio Lower Upper
91 100
106 30.7 24.8 37.2





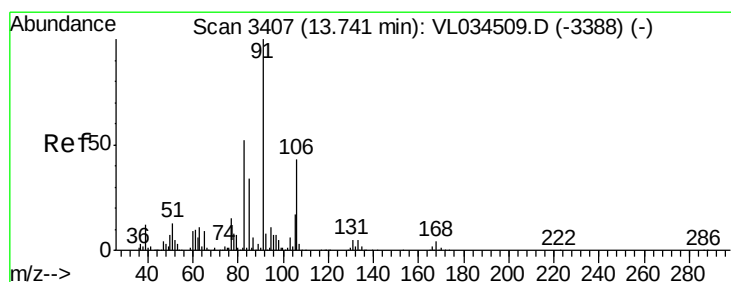
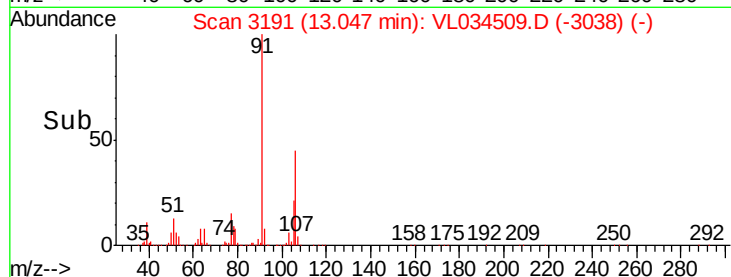
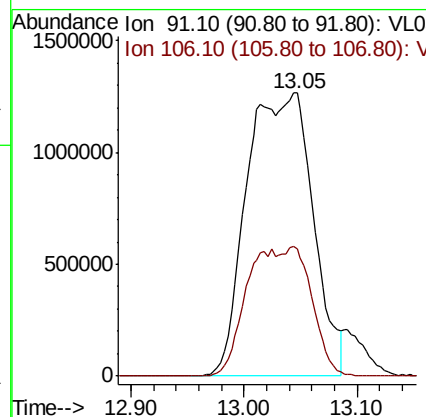
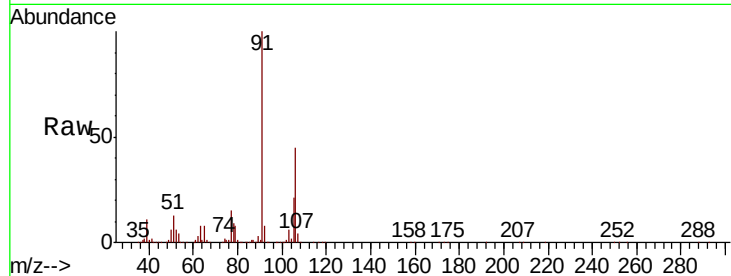
#59
m/p-Xylene
Concen: 16.369 ppbv m
RT: 13.05 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 5131484
Ion Ratio Lower Upper
91 100
106 44.5 34.6 51.8

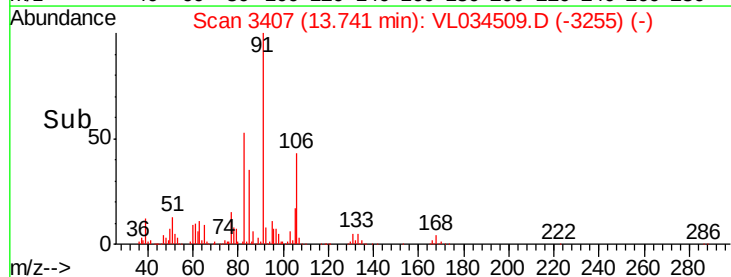
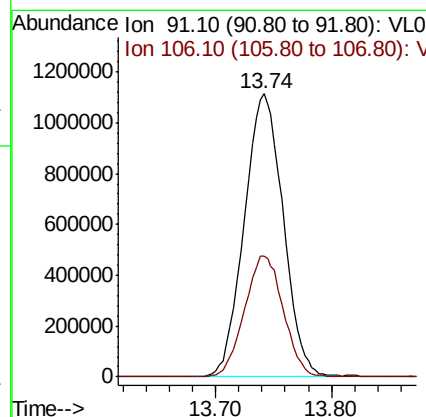
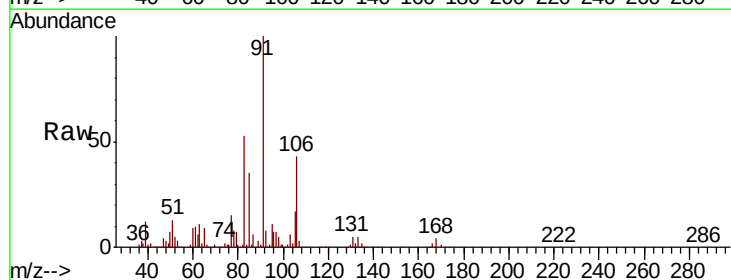
Manual Integrations
APPROVED

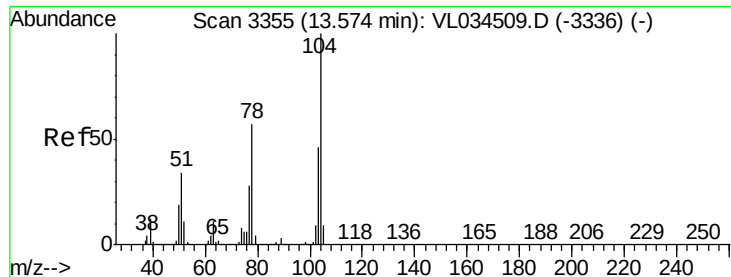
apatel
1/2/2020 10:48:31 AM



#60
o-Xylene
Concen: 8.351 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 91 Resp: 2588328
Ion Ratio Lower Upper
91 100
106 42.9 21.3 64.0





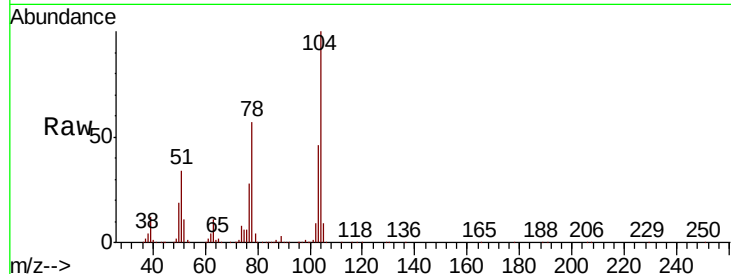
#61
Stvrene
Concen: 8.525 ppbv
RT: 13.57 min Scan# 3355
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

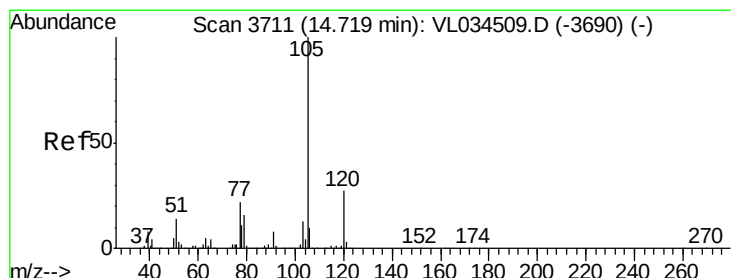
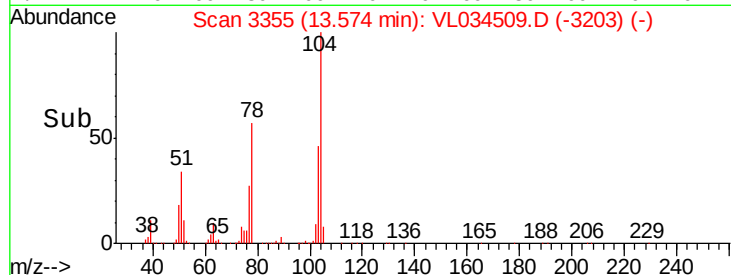
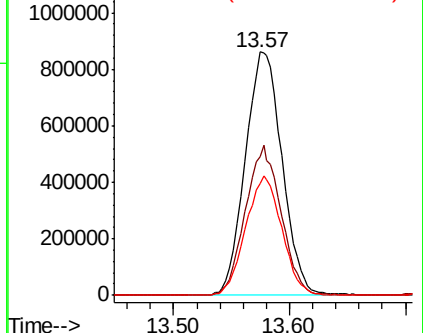
Tot Ion	Ratio	Lower	Upper
104	100		
78	59.6	47.6	71.4
103	48.3	38.6	57.8

Manual Integrations
APPROVED

apatel
1/2/2020 10:48:31 AM

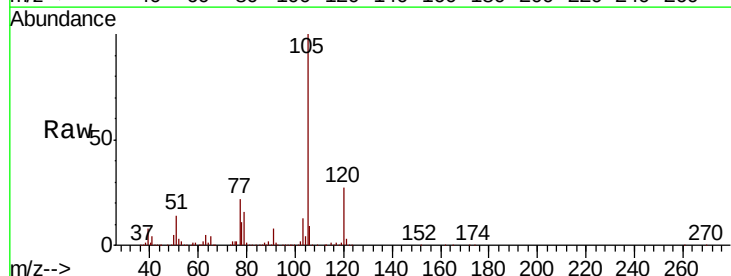


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

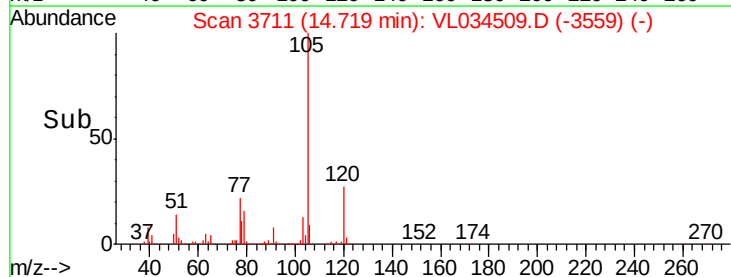
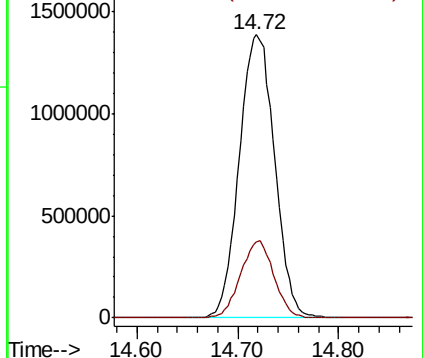


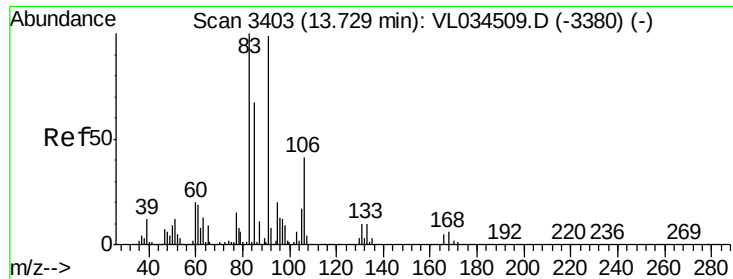
#62
Isopropylbenzene
Concen: 8.214 ppbv
RT: 14.72 min Scan# 3711
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.2	30.4



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





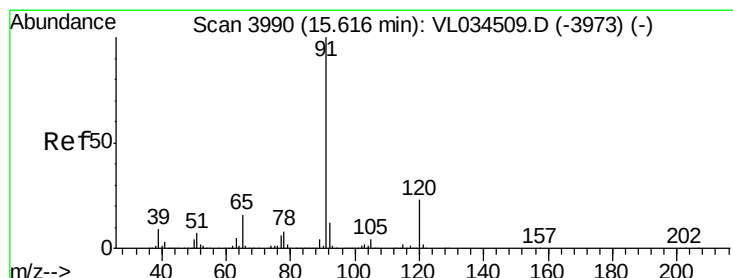
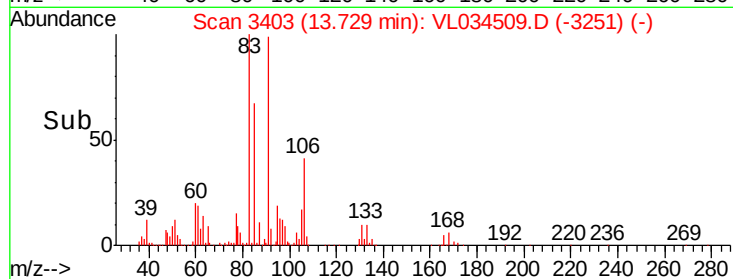
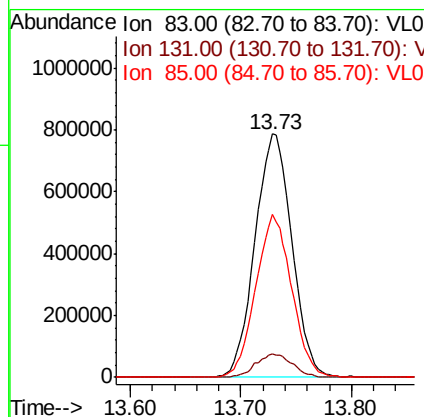
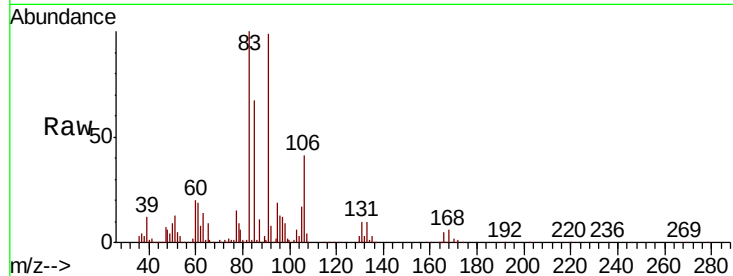
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.830 ppbv
 RT: 13.73 min Scan# 3403
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	83	Resp	1824290
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	64.9	32.6	97.8

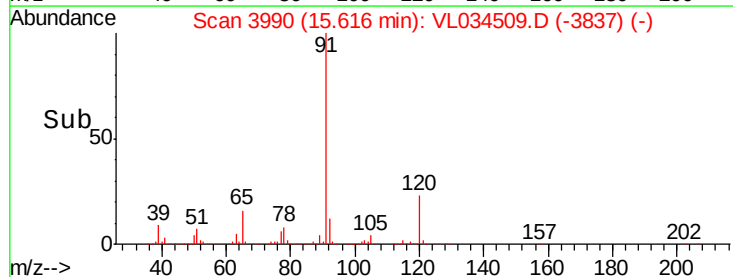
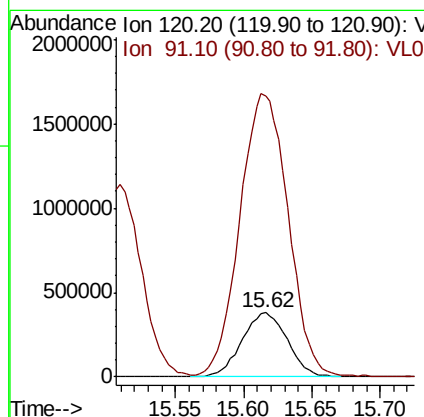
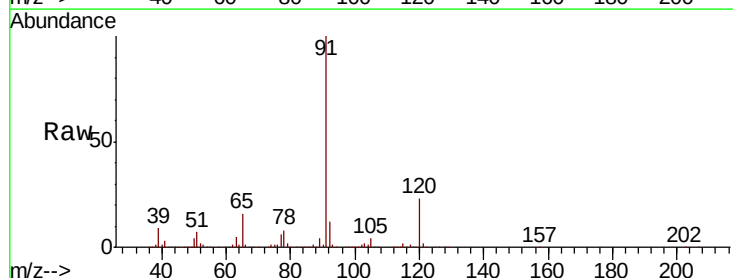
Manual Integrations
 APPROVED

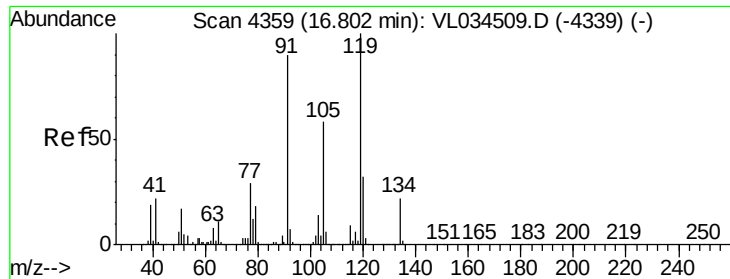
apatel
 1/2/2020 10:48:31 AM



#64
 n-propylbenzene
 Concen: 8.273 ppbv
 RT: 15.62 min Scan# 3990
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Tgt Ion	120	Resp	880716
Ion Ratio	100	Lower	Upper
120	100		
91	469.5	370.9	556.3





#65

tert-Butylbenzene

Concen: 8.206 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 119 Resp: 3021654

Ion Ratio Lower Upper

119 100

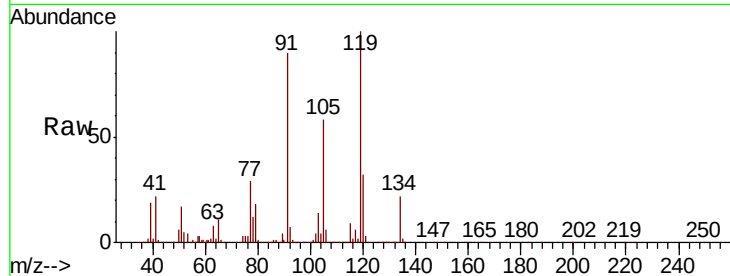
91 90.0 71.6 107.4

134 20.1 15.9 23.9

Manual Integrations
APPROVED

apatel

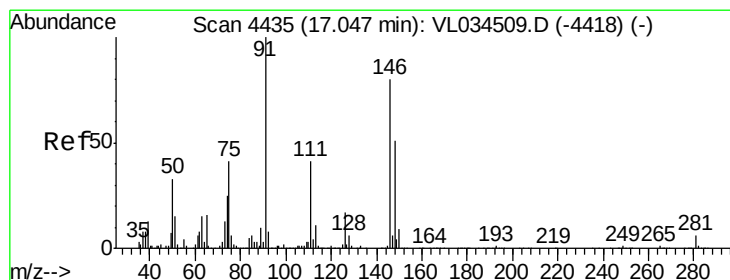
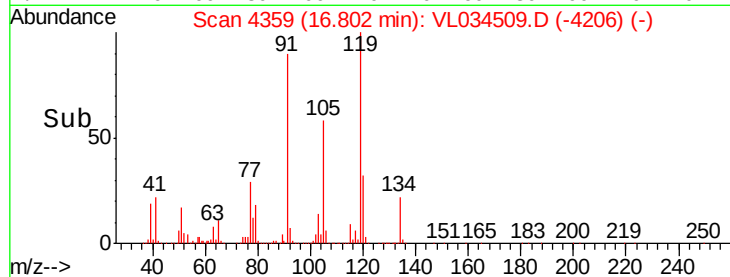
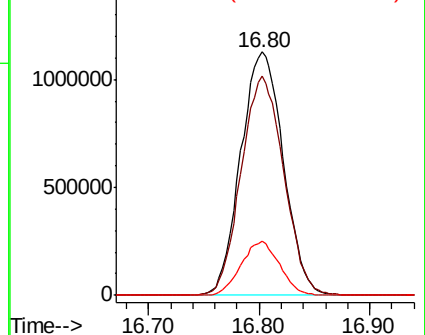
1/2/2020 10:48:31 AM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.023 ppbv

RT: 17.05 min Scan# 4435

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

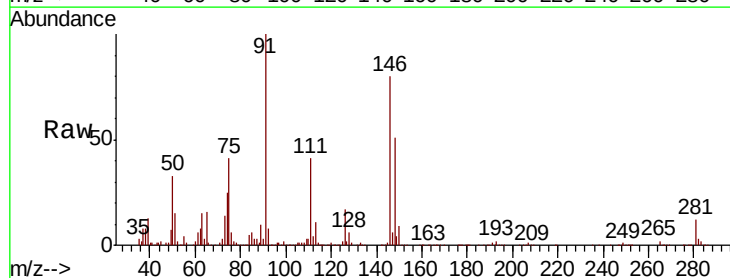
Tgt Ion: 91 Resp: 1561511

Ion Ratio Lower Upper

91 100

126 16.4 12.9 19.3

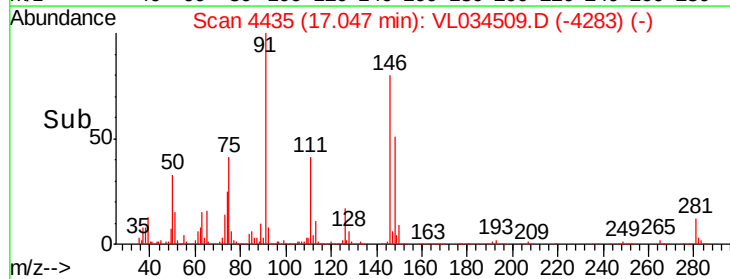
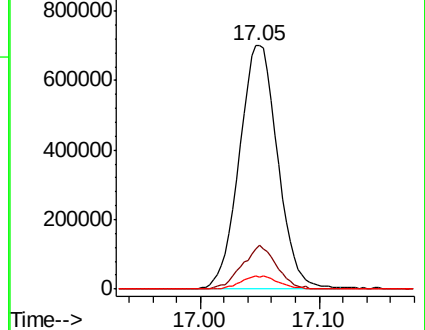
128 5.3 4.3 6.5

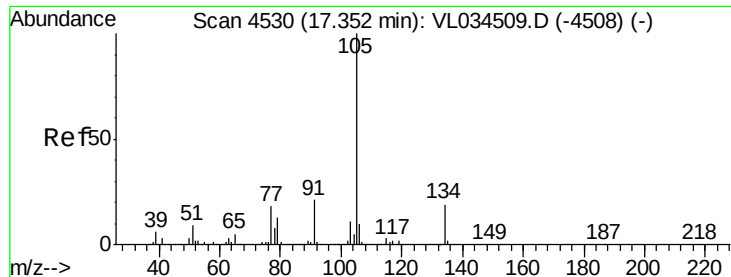


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





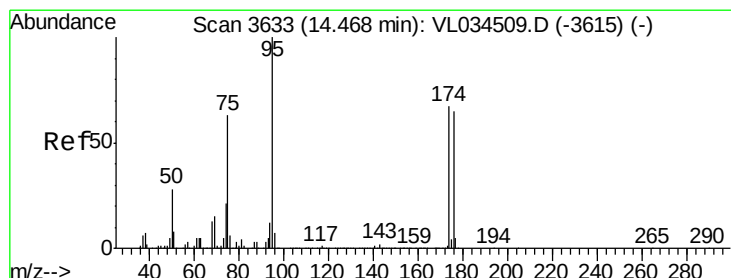
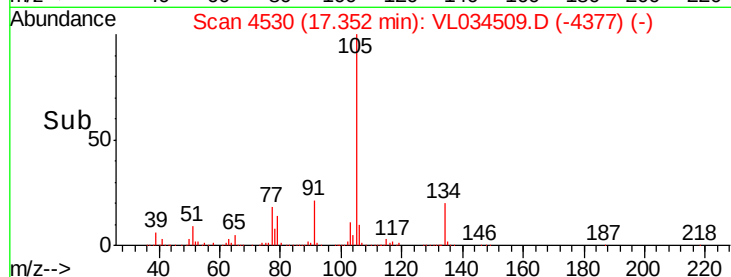
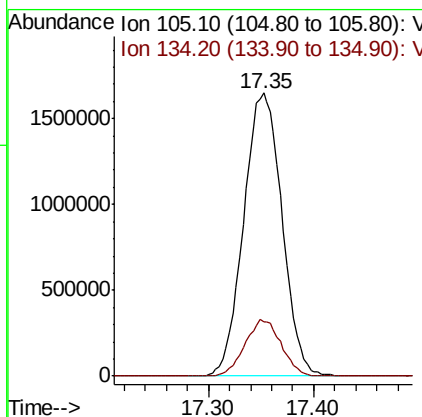
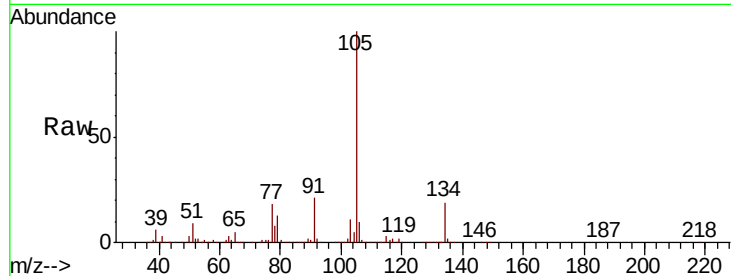
#67
 sec-Butylbenzene
 Concen: 8.093 ppbv
 RT: 17.35 min Scan# 4530
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 4168876
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.0 22.6

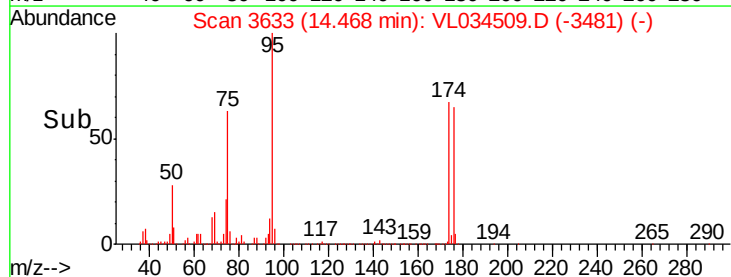
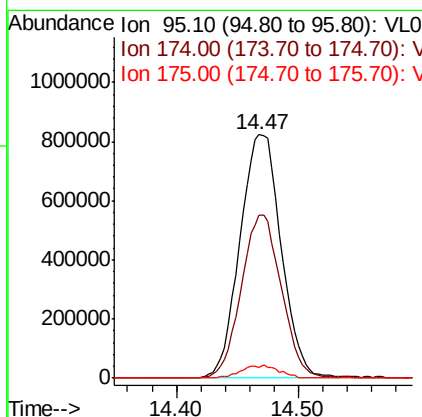
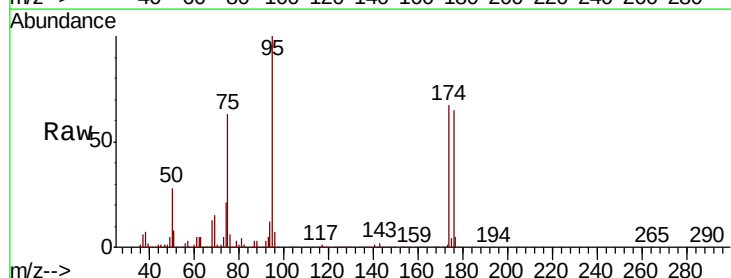
Manual Integrations
 APPROVED

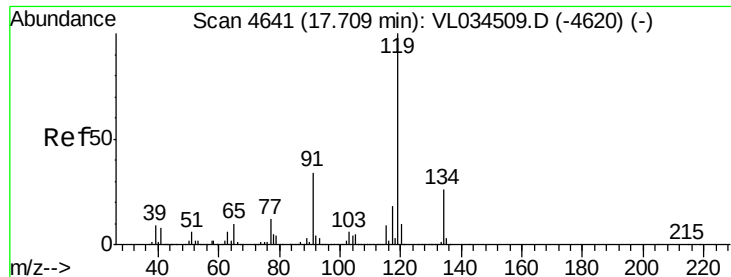
apatel
 1/2/2020 10:48:31 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.762 ppbv
 RT: 14.47 min Scan# 3633
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Tgt Ion: 95 Resp: 1919246
 Ion Ratio Lower Upper
 95 100
 174 65.5 52.2 78.2
 175 4.9 3.8 5.8





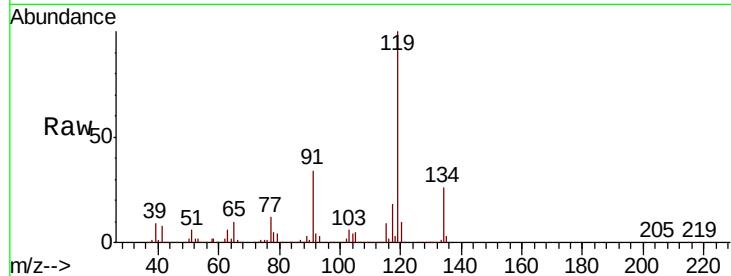
#69
 p-Isopropyltoluene
 Concen: 8.141 ppbv
 RT: 17.71 min Scan# 4641
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	31.0
91	33.2	26.3	39.5

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:48:31 AM

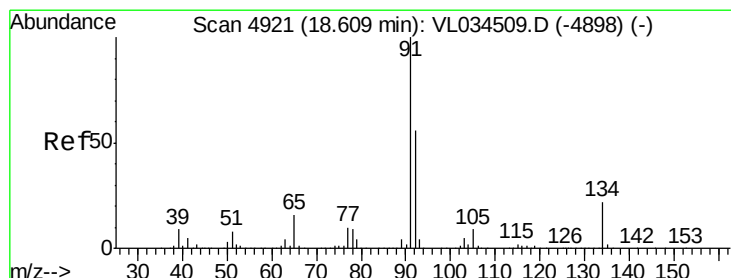
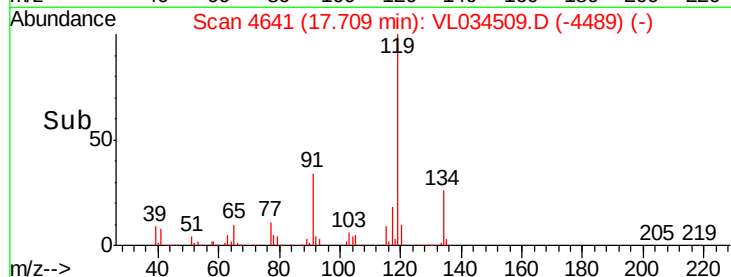
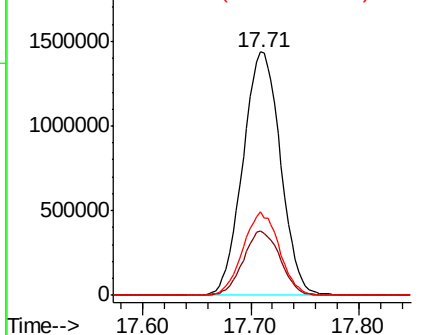


Abundance

Ion 119.10 (118.80 to 119.80): V

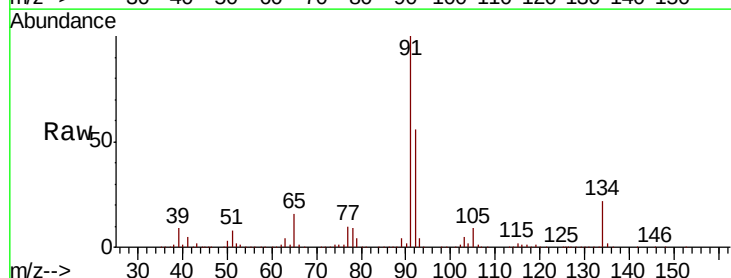
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 7.918 ppbv
 RT: 18.61 min Scan# 4921
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.6
134	22.5	17.9	26.9

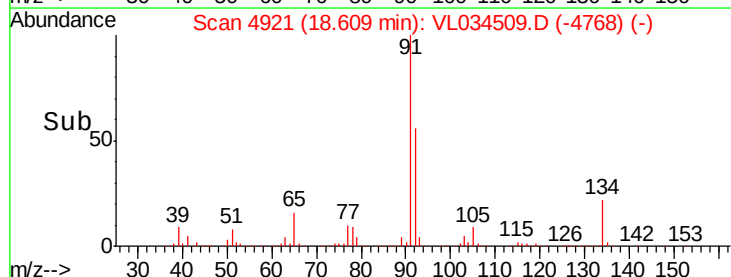
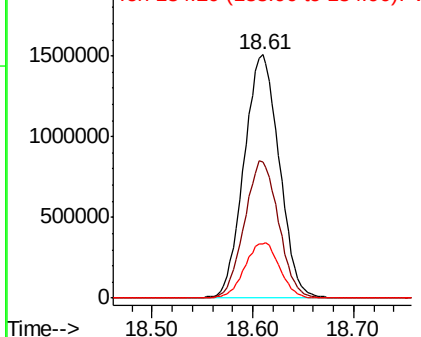


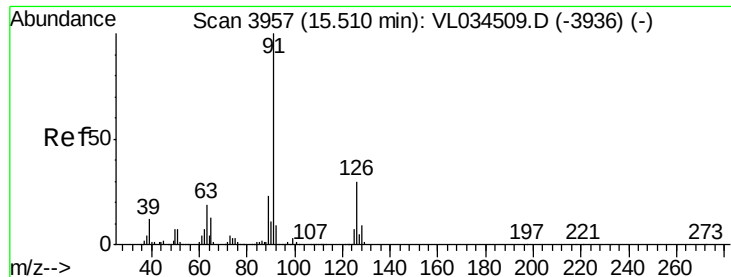
Abundance

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: 8.078 ppbv

RT: 15.51 min Scan# 3957

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2640551

Ion Ratio Lower Upper

91 100

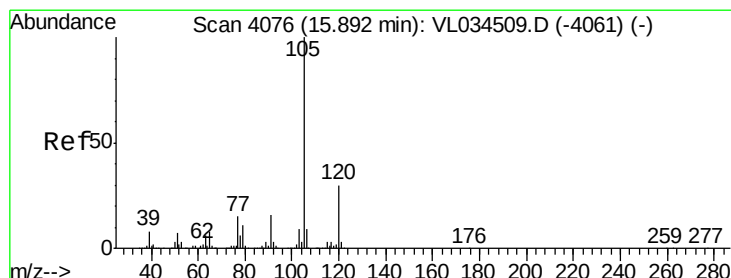
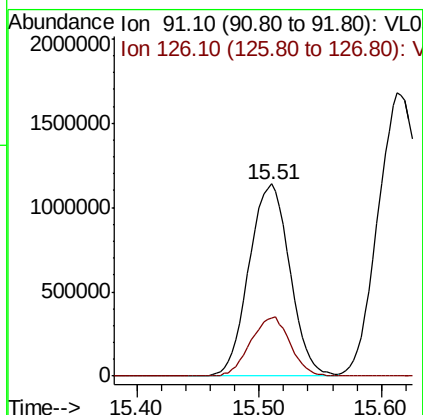
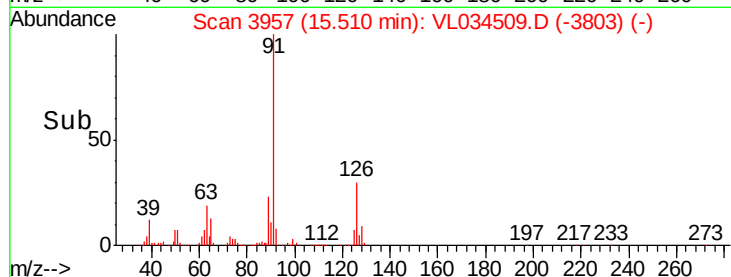
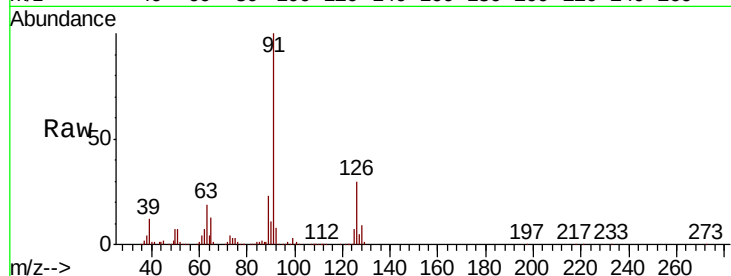
126 29.9 11.8 47.4

Manual Integrations

APPROVED

apatel

1/2/2020 10:48:31 AM



#72

4-Ethyltoluene

Concen: 8.267 ppbv

RT: 15.89 min Scan# 4076

Delta R.T. -0.01 min

Lab File: VL034509.D

Acq: 30 Dec 2019 10:24

Tgt Ion: 105 Resp: 2960795

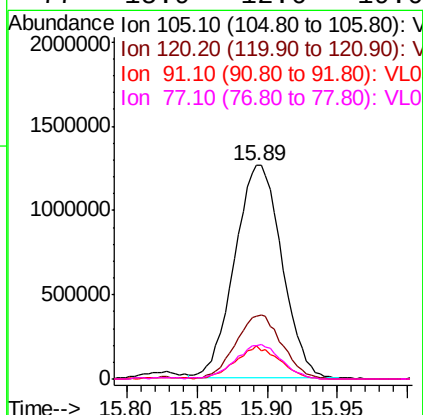
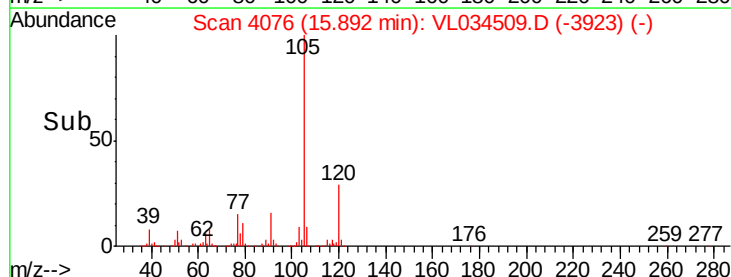
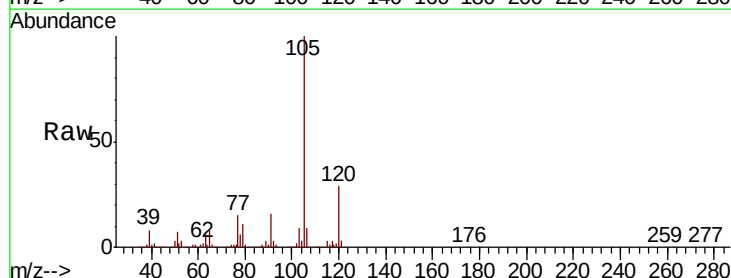
Ion Ratio Lower Upper

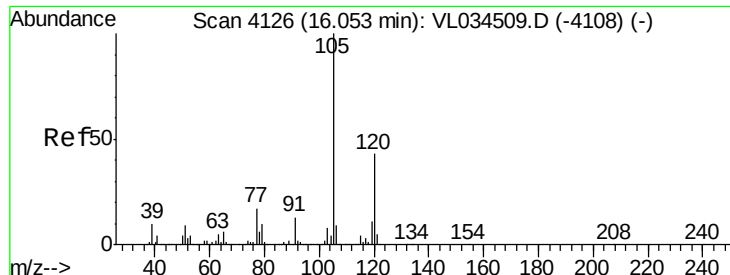
105 100

120 29.6 23.5 35.3

91 14.4 11.4 17.0

77 15.9 12.6 19.0





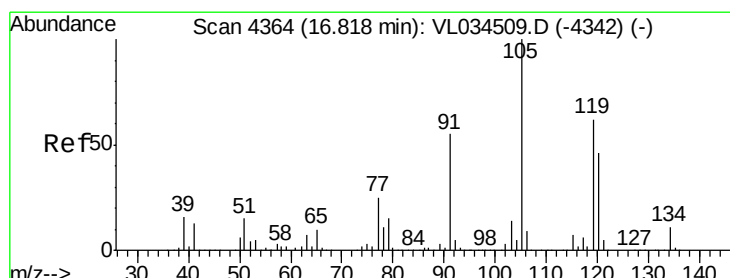
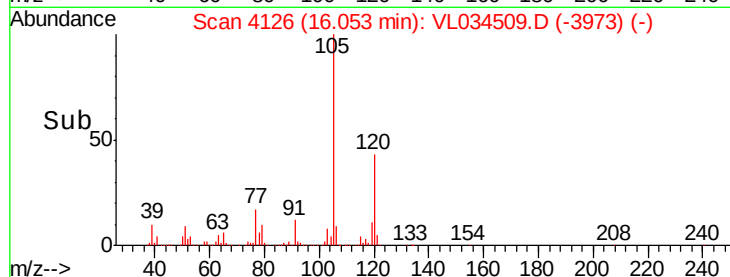
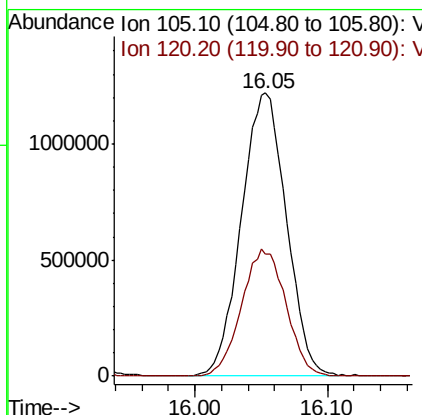
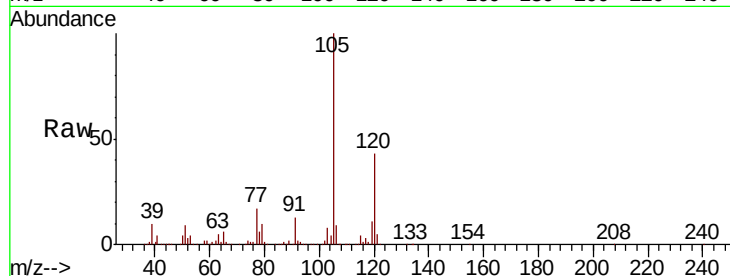
#73
 1,3,5-Trimethylbenzene
 Concen: 8.163 ppbv
 RT: 16.05 min Scan# 4126
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:105 Resp: 2861546
 Ion Ratio Lower Upper
 105 100
 120 43.3 37.1 55.7

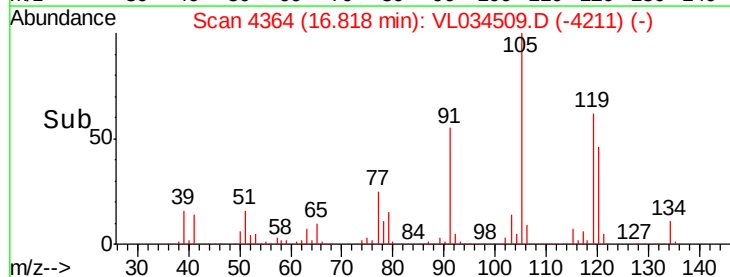
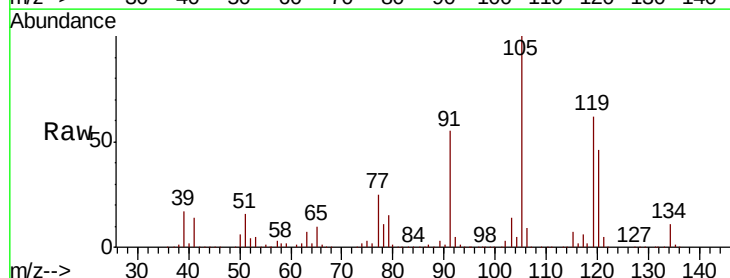
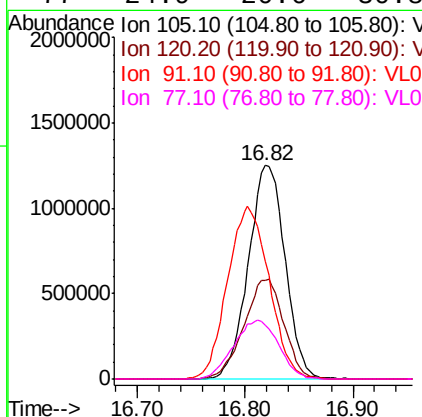
Manual Integrations
 APPROVED

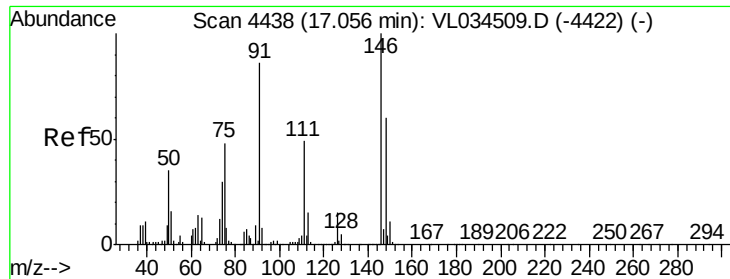
apatel
 1/2/2020 10:48:31 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 7.949 ppbv
 RT: 16.82 min Scan# 4364
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Tgt Ion:105 Resp: 2960204
 Ion Ratio Lower Upper
 105 100
 120 45.9 37.4 56.0
 91 55.0 46.3 69.5
 77 24.9 20.6 30.8





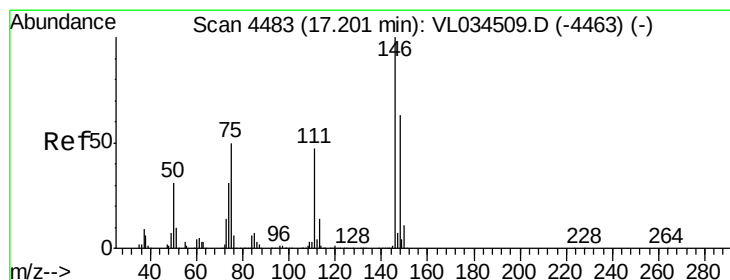
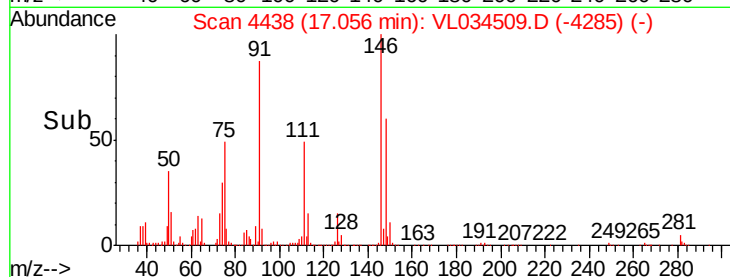
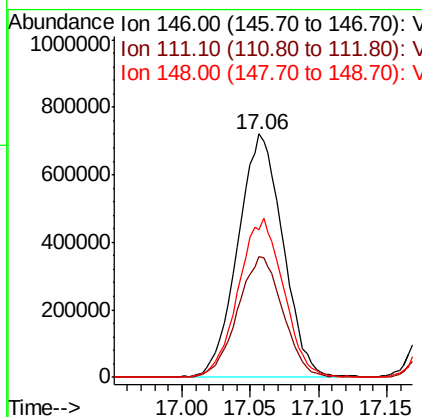
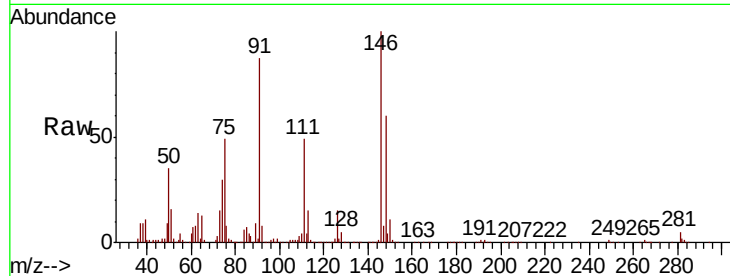
#75
 1,3-Dichlorobenzene
 Concen: 7.657 ppbv
 RT: 17.06 min Scan# 4438
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1638944
 Ion Ratio Lower Upper
 146 100
 111 50.2 24.4 73.4
 148 66.0 32.4 97.0

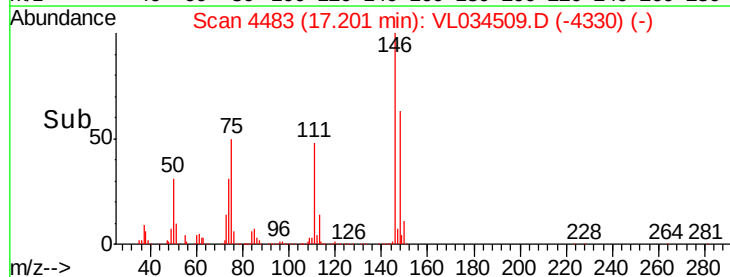
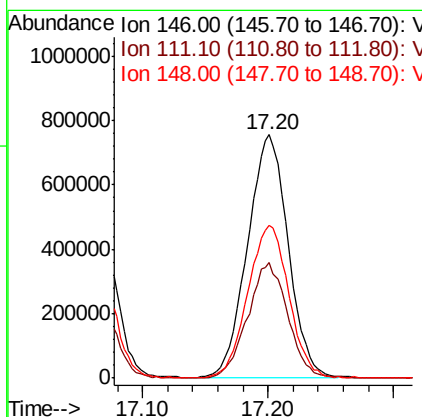
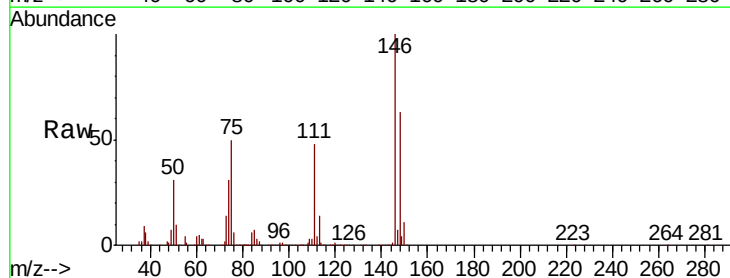
Manual Integrations
 APPROVED

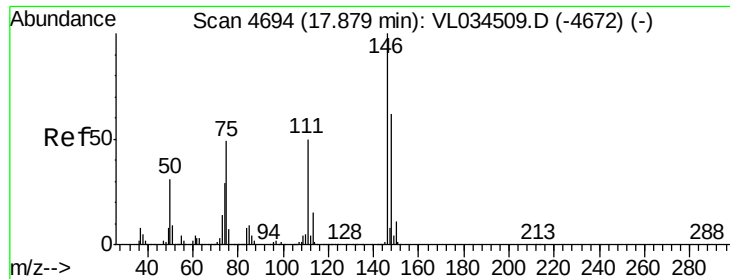
apatel
 1/2/2020 10:48:31 AM



#76
 1,4-Dichlorobenzene
 Concen: 8.162 ppbv
 RT: 17.20 min Scan# 4483
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Tgt Ion:146 Resp: 1696587
 Ion Ratio Lower Upper
 146 100
 111 47.1 24.1 72.3
 148 64.2 32.9 98.6





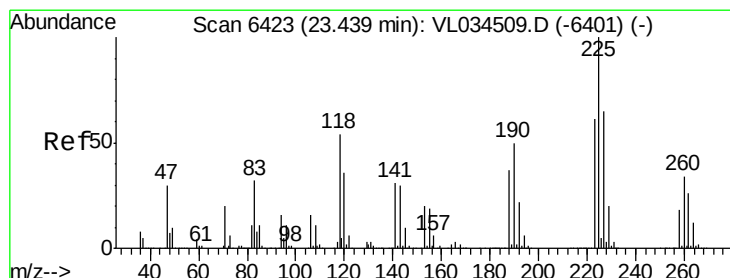
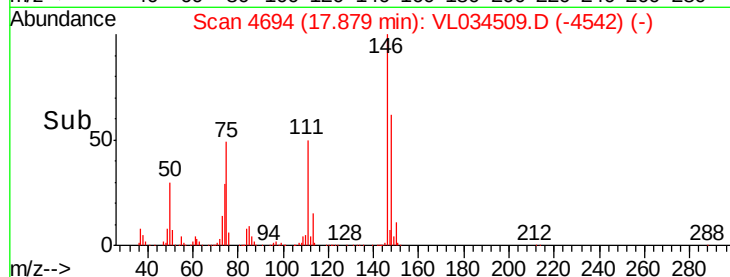
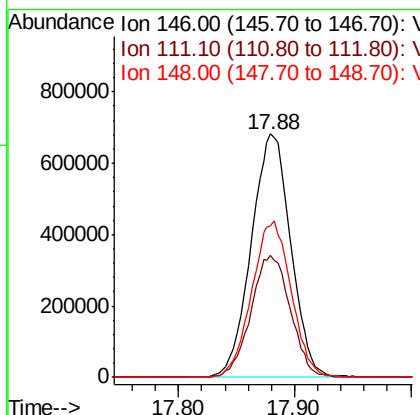
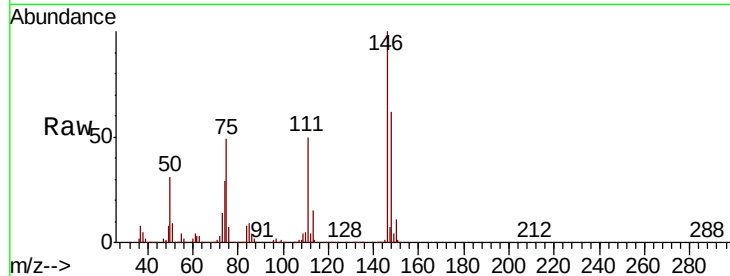
#77
 1,2-Dichlorobenzene
 Concen: 7.804 ppbv
 RT: 17.88 min Scan# 4694
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1613348
 Ion Ratio Lower Upper
 146 100
 111 50.5 25.0 75.0
 148 64.2 32.7 98.1

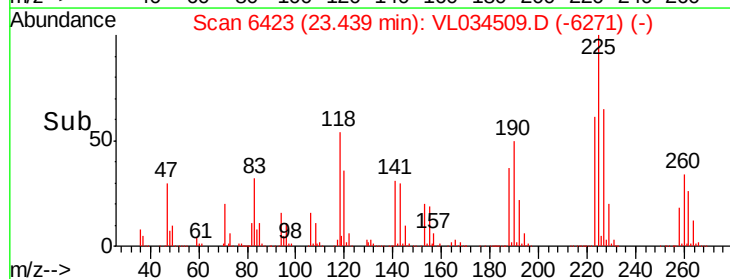
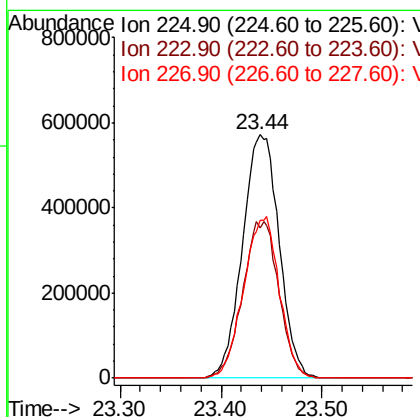
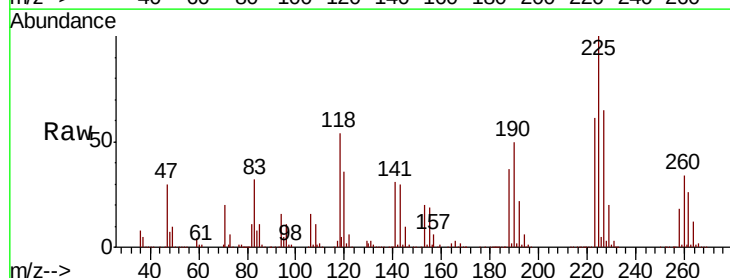
Manual Integrations
 APPROVED

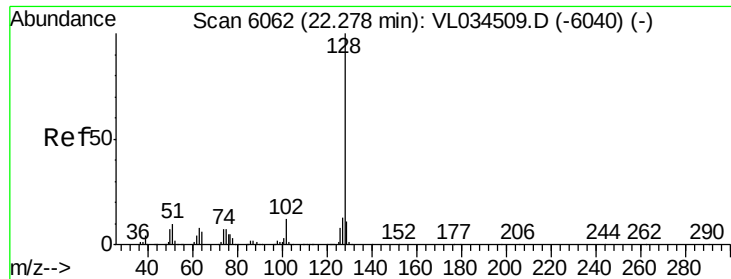
apatel
 1/2/2020 10:48:31 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.116 ppbv
 RT: 23.44 min Scan# 6423
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Tgt Ion:225 Resp: 1441641
 Ion Ratio Lower Upper
 225 100
 223 63.8 50.2 75.2
 227 64.7 51.5 77.3





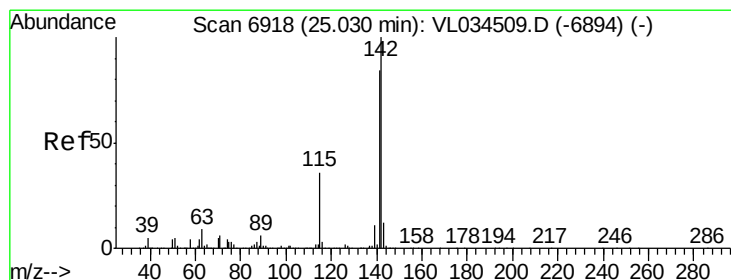
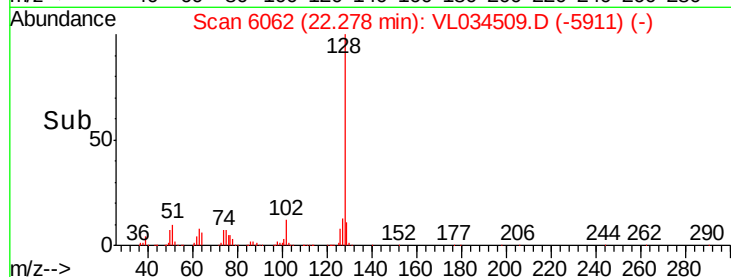
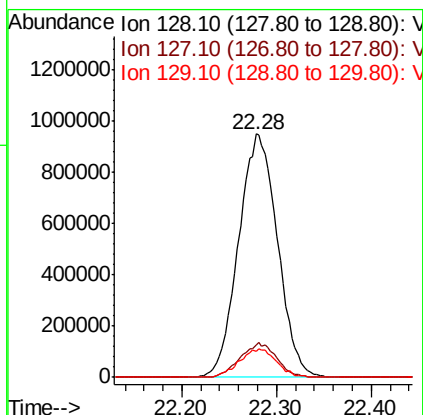
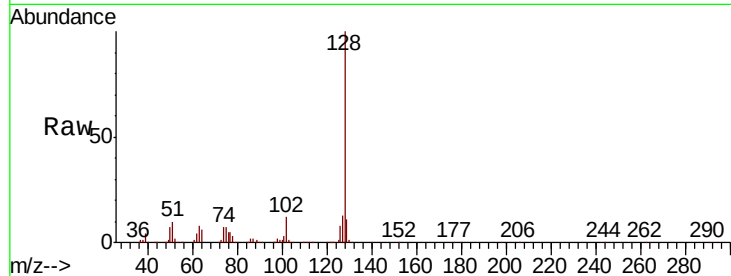
#79
Naphthalene
Concen: 8.380 ppbv
RT: 22.28 min Scan# 6062
Delta R.T. -0.02 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.0	16.6
129	10.9	8.9	13.3

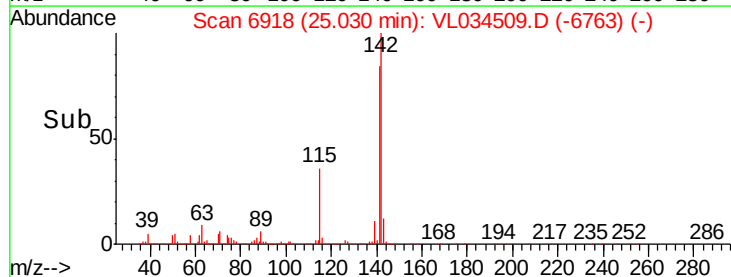
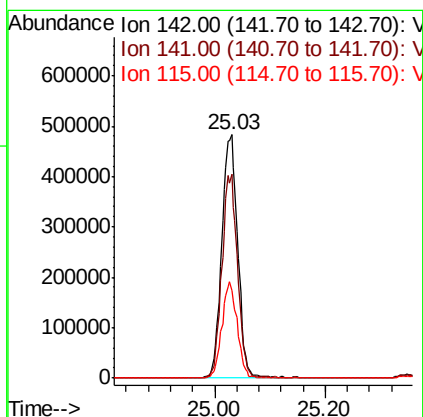
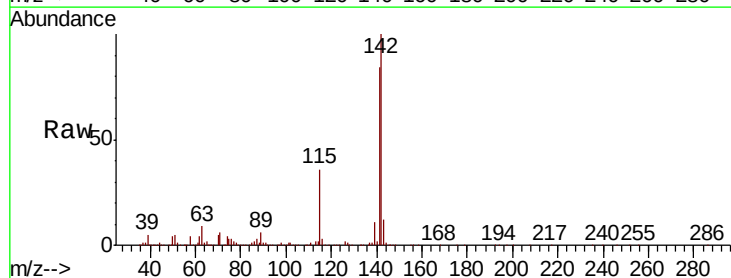
Manual Integrations
APPROVED

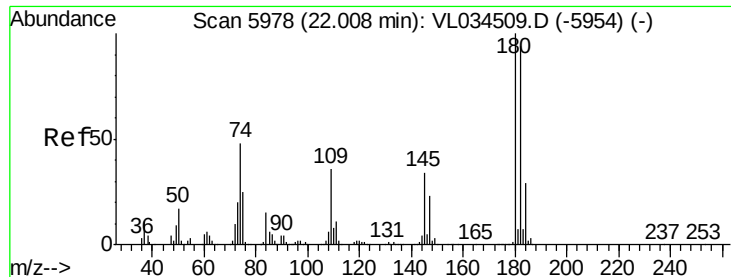
apatel
1/2/2020 10:48:31 AM



#80
Naphthalene, 2-methyl-
Concen: 6.601 ppbv
RT: 25.03 min Scan# 6918
Delta R.T. -0.00 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.3	67.1	100.7
115	38.0	36.6	54.8





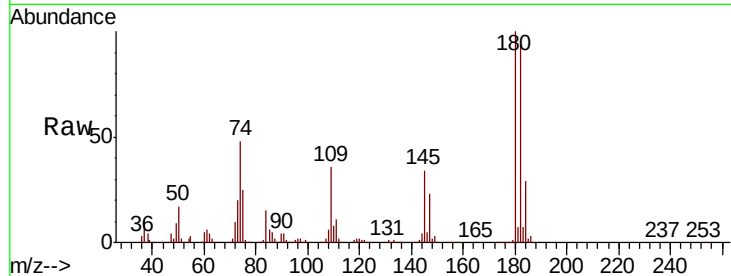
#81
 1,2,4-Trichlorobenzene
 Concen: 8.132 ppbv
 RT: 22.01 min Scan# 5978
 Delta R.T. -0.01 min
 Lab File: VL034509.D
 Acq: 30 Dec 2019 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.8	115.2
184	31.5	24.9	37.3

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:48:31 AM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

