

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034403.D
 Acq On : 25 Nov 2019 12:25
 Operator : SY/AP
 Sample : VL1125ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1125ABS01

Manual Integrations
 APPROVED

apatel
 12/2/2019 9:19:38 AM

Quant Time: Nov 26 01:05:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 1
 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	5.68	49	968691	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1962124	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2077734	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1708256	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	1892670	10.800	ppbv 99
3) Chlorodifluoromethane	2.96	51	1130823	9.356	ppbv 99
4) Chloromethane	3.11	50	691946	9.706	ppbv 96
5) Vinyl Chloride	3.23	62	627798	9.399	ppbv 98
6) Bromomethane	3.46	94	326830	9.725	ppbv 90
7) Chloroethane	3.54	64	233759	9.642	ppbv 96
8) Dichlorotetrafluoroethane	3.17	85	1455457	9.248	ppbv 99
9) Propene	2.98	41	507397	9.456	ppbv 98
10) Heptane	8.16	43	1355995	9.792	ppbv 99
11) Trichlorofluoromethane	3.94	101	1646057	9.438	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1099945	9.497	ppbv 100
13) Ethanol	3.59	45	89272	5.972	ppbv 89
14) Bromoethene	3.73	108	460406	9.776	ppbv 99
15) Acetone	3.84	43	1207183	8.703	ppbv 99
16) 1,3-Butadiene	3.31	39	594714	9.842	ppbv 99
17) tert-Butyl alcohol	4.29	59	857670	7.356	ppbv 99
18) 1,1-Dichloroethene	4.28	96	496977	9.809	ppbv 95
19) Isopropyl Alcohol	3.96	45	681323	7.663	ppbv # 99
20) Methylene Chloride	4.34	84	432054	8.784	ppbv 92
21) Allyl Chloride	4.41	41	865631	10.414	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	510088	9.987	ppbv 98
23) Vinyl Acetate	5.08	43	1857562	10.251	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1334692	9.589	ppbv 99
25) Ethyl Acetate	5.69	43	2352349	9.503	ppbv 100
26) Hexane	5.70	57	1003534	9.435	ppbv 99
27) Carbon Disulfide	4.55	76	1276065	11.015	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1704531	9.665	ppbv 99
29) Chloroform	5.77	83	1634382	9.489	ppbv 100
30) Cyclohexane	7.16	84	801856	9.972	ppbv 97
31) cis-1,2-Dichloroethene	5.56	61	1081418	9.839	ppbv 95
32) 1,1,1-Trichloroethane	6.53	97	1647102	10.199	ppbv 99
34) 2-Butanone	5.25	43	1571900	9.733	ppbv 99
35) Carbon Tetrachloride	7.05	117	1744929	10.343	ppbv 99
36) Benzene	6.92	78	1921029	9.794	ppbv 96
37) 1,2-Dichloroethane	6.33	62	1420090	9.746	ppbv 99
38) Trichloroethene	7.87	130	765226	9.507	ppbv 99
39) 1,2-Dichloropropane	7.65	63	811381	10.738	ppbv 99
40) 1,4-Dioxane	7.86	88	265854	8.054	ppbv # 95
41) Tetrahydrofuran	6.07	42	897962	9.913	ppbv 98
42) Bromodichloromethane	7.83	83	1826879	10.025	ppbv 99
43) Methyl Methacrylate	8.05	69	834925	10.263	ppbv 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034403.D
 Acq On : 25 Nov 2019 12:25
 Operator : SY/AP
 Sample : VL1125ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1125ABS01

Manual Integrations
 APPROVED

apatel
 12/2/2019 9:19:38 AM

Quant Time: Nov 26 01:05:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.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	7.90	57	3432964	9.577	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1151593	11.038	ppbv	100
46) cis-1,3-Dichloropropene	8.74	75	1261056	10.761	ppbv	99
47) 1,1,2-Trichloroethane	9.52	97	828879	9.861	ppbv	97
48) Dibromochloromethane	10.36	129	1536628	10.647	ppbv	100
49) Bromoform	13.10	173	1391104	10.797	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2336065	9.997	ppbv	100
51) 2-Hexanone	10.18	43	1961443	10.021	ppbv #	99
52) Tetrachloroethene	11.28	164	742559	8.750	ppbv	98
53) Toluene	9.85	91	2255449	10.123	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1268747	9.845	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.18	131	1007651	9.915	ppbv	96
57) Chlorobenzene	12.20	112	1721121	9.164	ppbv	98
58) Ethyl Benzene	12.77	91	3117250	9.668	ppbv	99
59) m/p-Xylene	13.05	91	5167937m	18.542	ppbv	
60) o-Xylene	13.75	91	2583579	9.375	ppbv	100
61) Styrene	13.59	104	1946914	9.797	ppbv	100
62) Isopropylbenzene	14.73	105	3388506	9.297	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1820697	8.790	ppbv	100
64) n-propylbenzene	15.63	120	888919	9.392	ppbv	99
65) tert-Butylbenzene	16.81	119	3002785	9.172	ppbv	100
66) Benzyl Chloride	17.06	91	1509020	11.982	ppbv	100
67) sec-Butylbenzene	17.36	105	4141528	9.044	ppbv	100
69) p-Isopropyltoluene	17.72	119	3474261	9.141	ppbv	100
70) n-Butylbenzene	18.62	91	3714834m	9.084	ppbv	
71) 2-Chlorotoluene	15.52	91	2679121	9.219	ppbv	100
72) 4-Ethyltoluene	15.90	105	3009643	9.452	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2865550	9.194	ppbv	99
74) 1,2,4-Trimethylbenzene	16.83	105	2951420	8.914	ppbv	96
75) 1,3-Dichlorobenzene	17.07	146	1686932	8.864	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1700669	9.203	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1645135	8.950	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1431958	9.067	ppbv	100
79) Naphthalene	22.29	128	2579979	8.989	ppbv	97
80) Naphthalene, 2-methyl-	25.03	142	1422010	10.972	ppbv	98
81) 1,2,4-Trichlorobenzene	22.02	180	1553470	8.810	ppbv	99

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

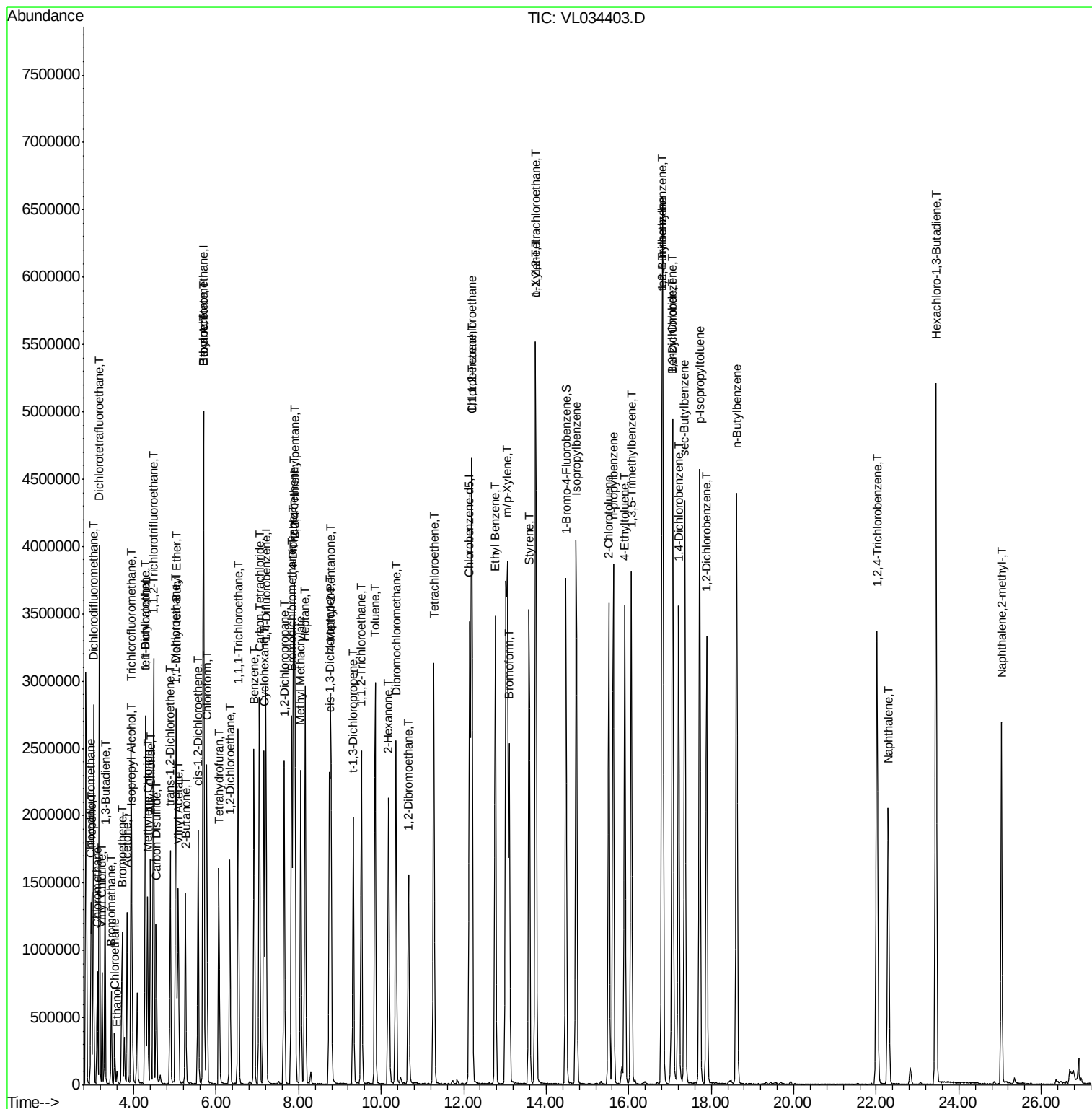
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112519\
Data File : VL034403.D
Acq On : 25 Nov 2019 12:25
Operator : SY/AP
Sample : VL1125ABS01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

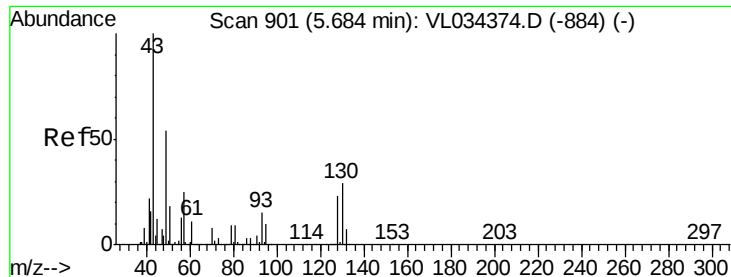
Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Manual Integrations
APPROVED

apatel
12/2/2019 9:19:38 AM

Quant Time: Nov 26 01:05:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

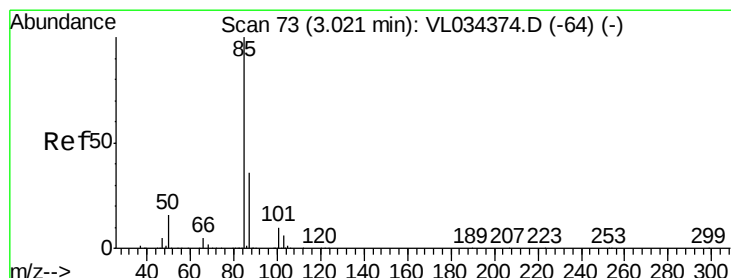
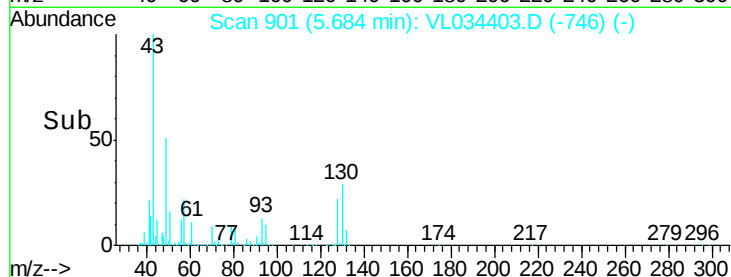
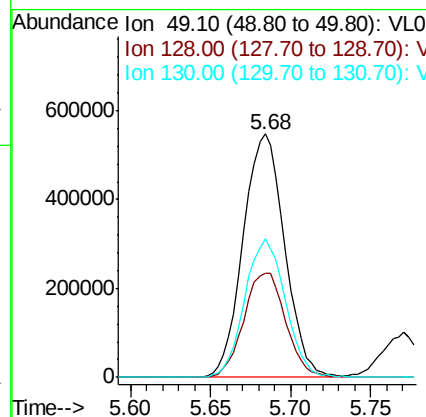
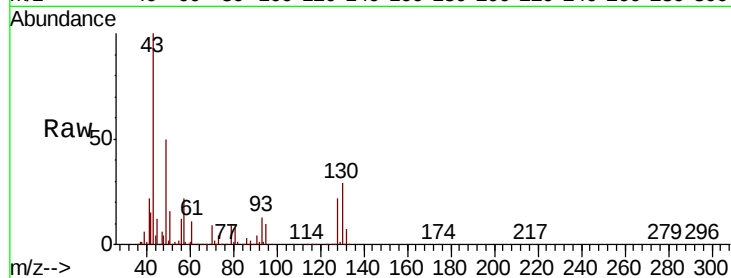
ClientSampleId :

VL1125ABS01

Tot Ion:	49	Resp:	968691
Ion Ratio	Lower	Upper	
49	100		
128	43.4	21.8	65.3
130	55.9	28.0	84.0

Manual Integrations
APPROVED

apatel
12/2/2019 9:19:38 AM



#2

Dichlorodifluoromethane

Concen: 10.800 ppbv

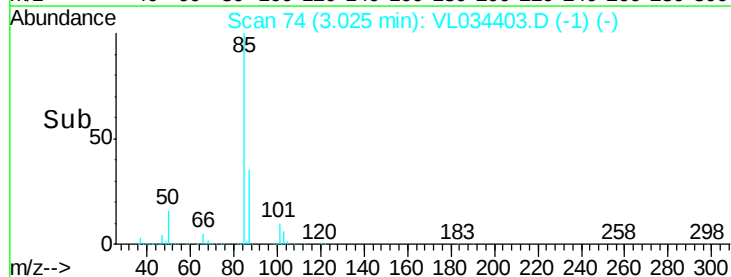
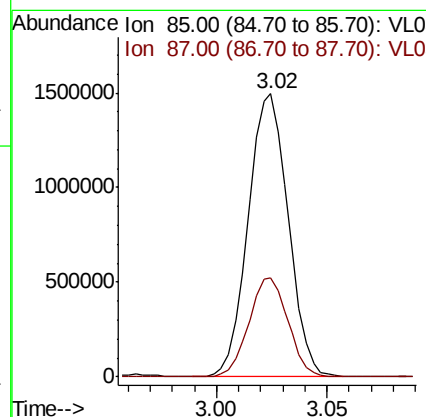
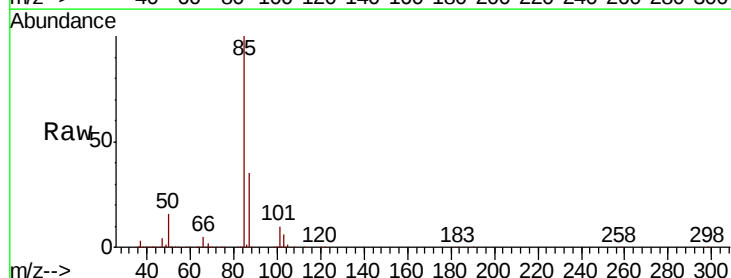
RT: 3.02 min Scan# 74

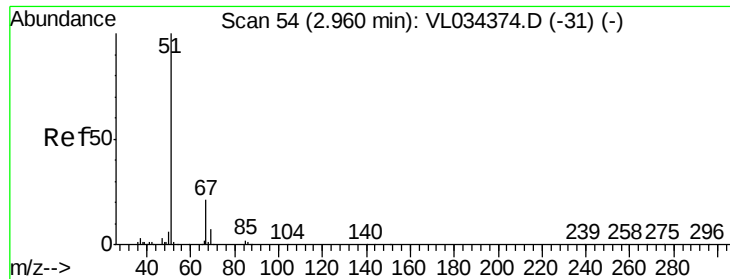
Delta R.T. 0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Tgt Ion:	85	Resp:	1892670
Ion Ratio	Lower	Upper	
85	100		
87	34.9	28.5	42.7





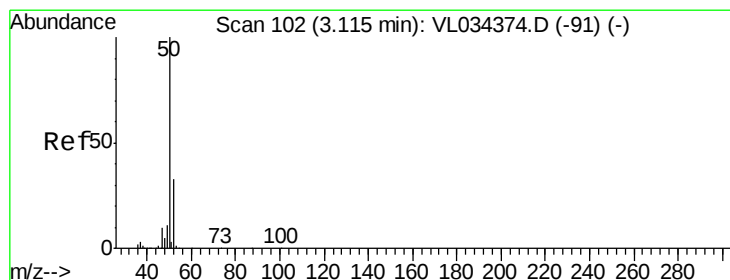
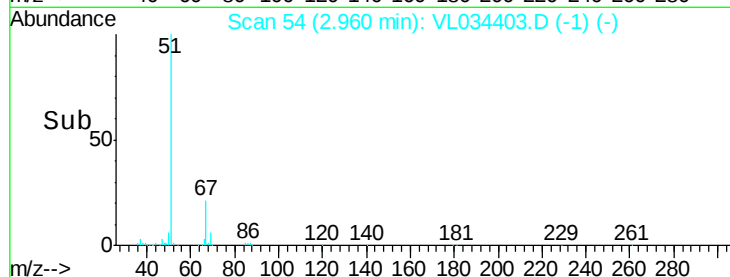
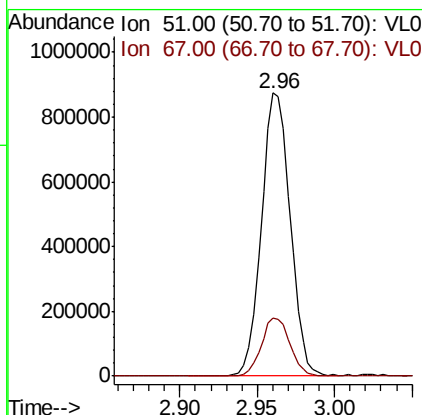
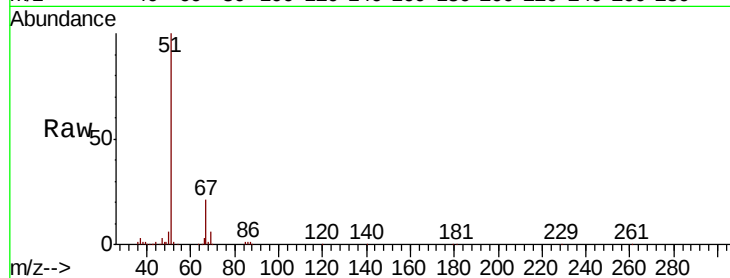
#3
Chlorodifluoromethane
Concen: 9.356 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion: 51 Resp: 1130823
Ion Ratio Lower Upper
51 100
67 20.6 16.2 24.2

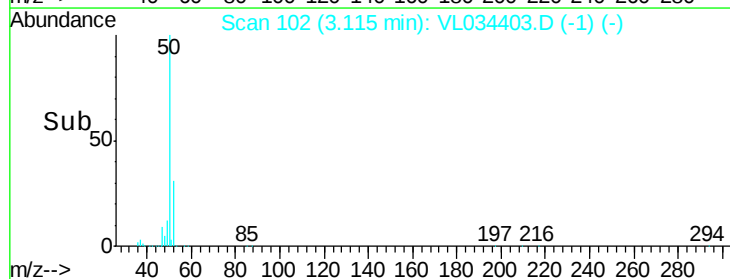
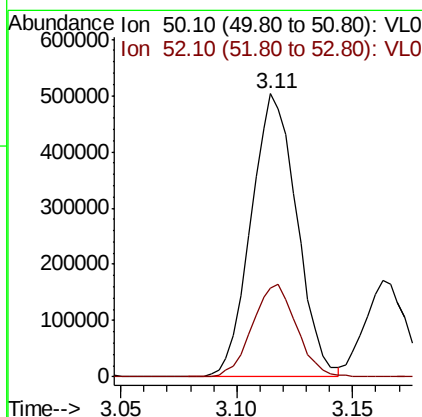
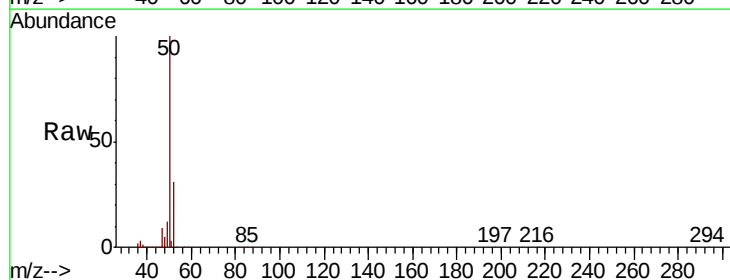
Manual Integrations
APPROVED

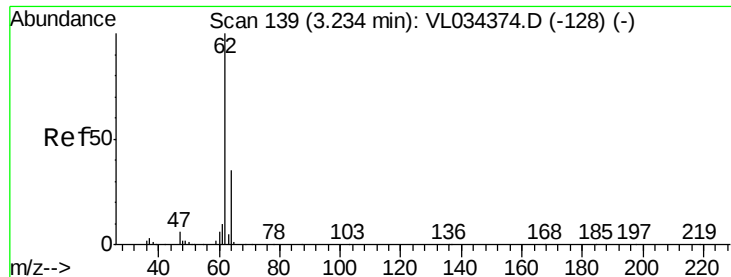
apatel
12/2/2019 9:19:38 AM



#4
Chloromethane
Concen: 9.706 ppbv
RT: 3.11 min Scan# 102
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 50 Resp: 691946
Ion Ratio Lower Upper
50 100
52 31.3 26.8 40.2





#5

Vinyl Chloride

Concen: 9.399 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleID :

VL1125ABS01

Tot Ion: 62 Resp: 627798

Ion Ratio Lower Upper

62 100

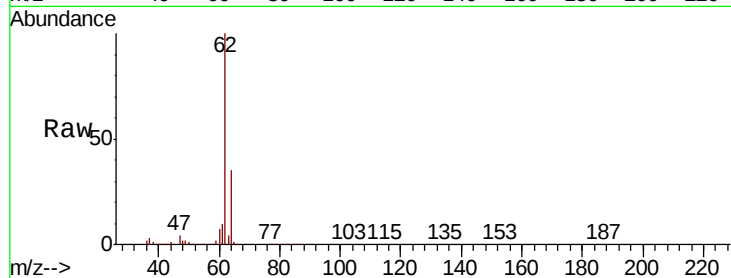
64 34.6 28.4 42.6

Manual Integrations

APPROVED

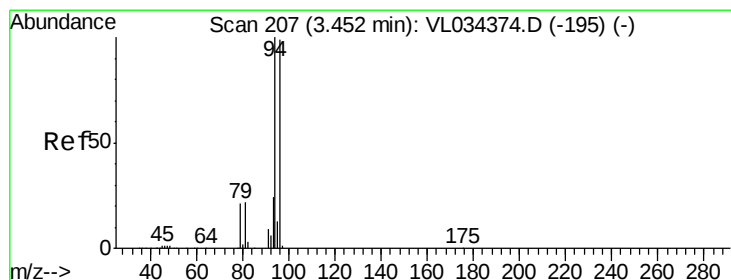
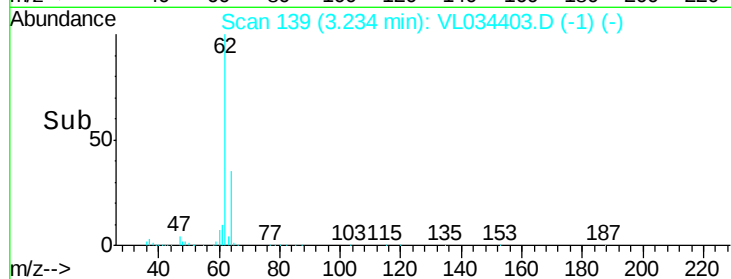
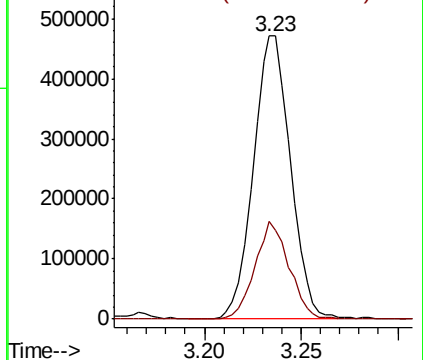
apatel

12/2/2019 9:19:38 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.725 ppbv

RT: 3.46 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL034403.D

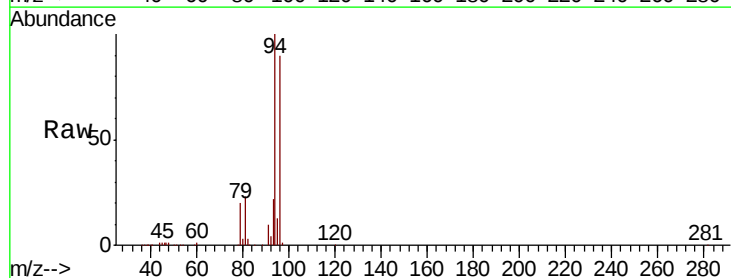
Acq: 25 Nov 2019 12:25

Tgt Ion: 94 Resp: 326830

Ion Ratio Lower Upper

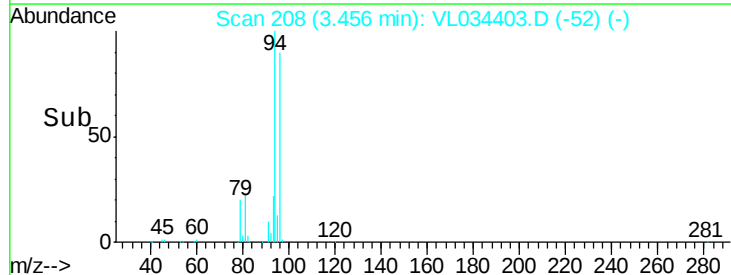
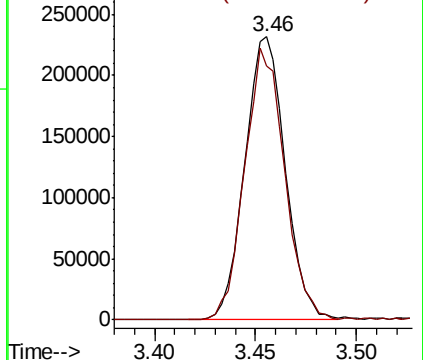
94 100

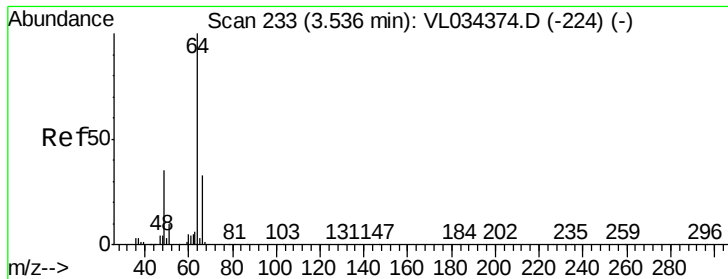
96 89.8 79.5 119.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.642 ppbv

RT: 3.54 min Scan# 234

Delta R.T. 0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VL1125ABS01

Tot Ion: 64 Resp: 233759

Ion Ratio Lower Upper

64 100

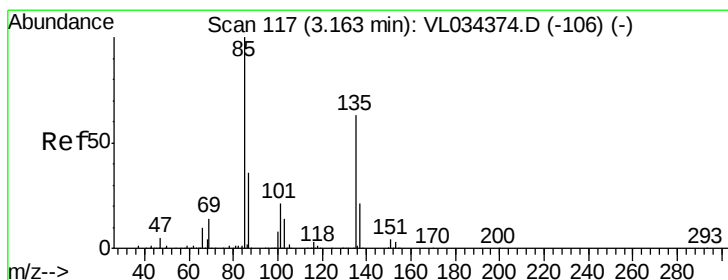
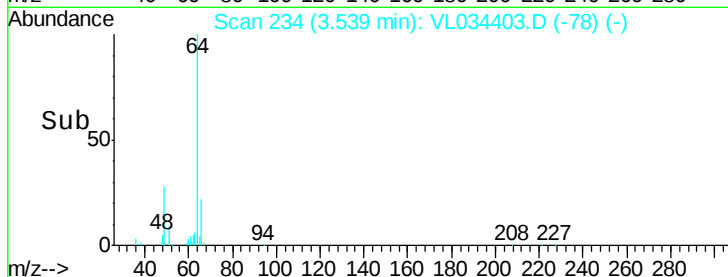
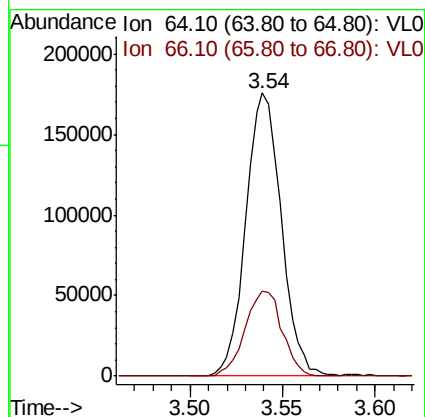
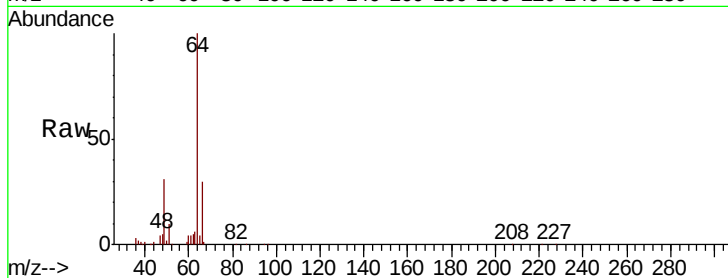
66 30.2 26.0 39.0

Manual Integrations

APPROVED

apatel

12/2/2019 9:19:38 AM



#8

Dichlorotetrafluoroethane

Concen: 9.248 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.00 min

Lab File: VL034403.D

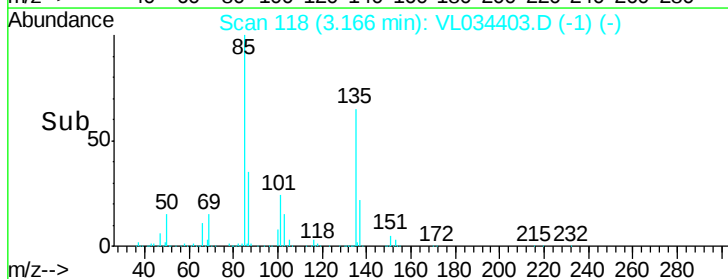
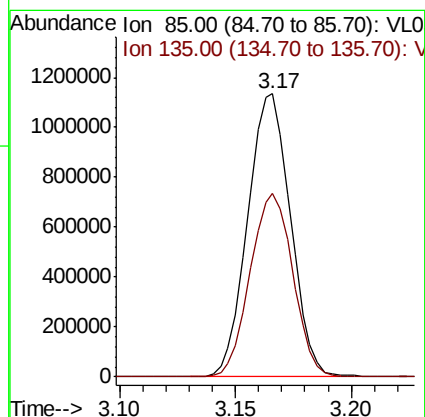
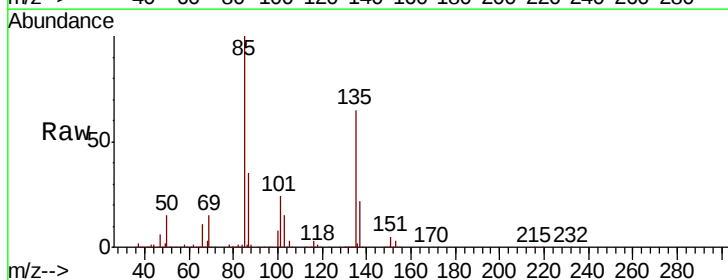
Acq: 25 Nov 2019 12:25

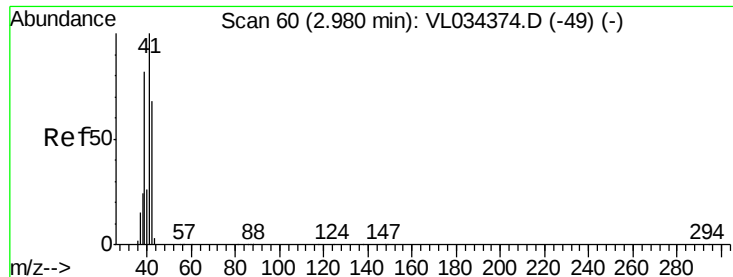
Tgt Ion: 85 Resp: 1455457

Ion Ratio Lower Upper

85 100

135 64.9 51.1 76.7





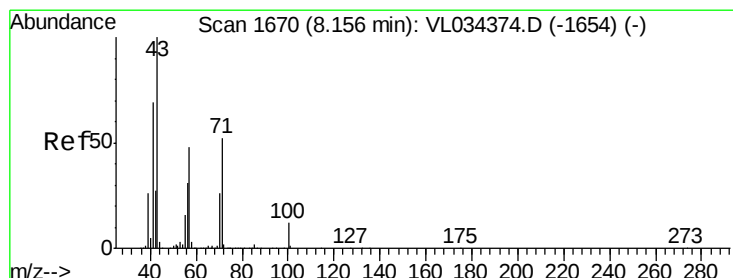
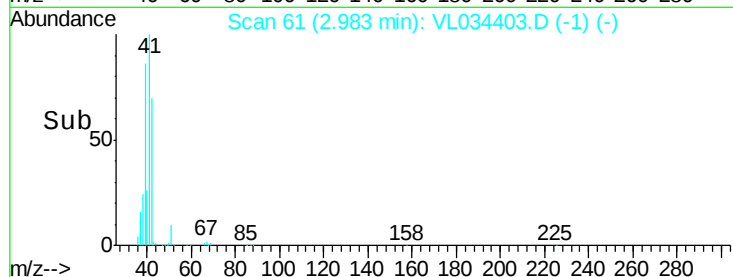
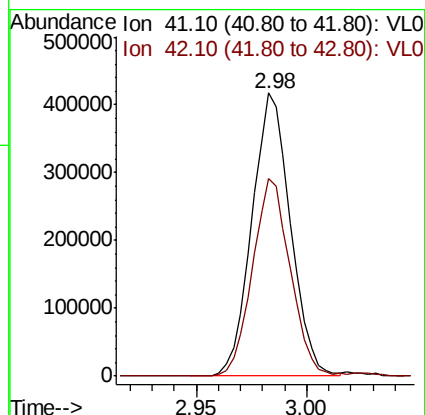
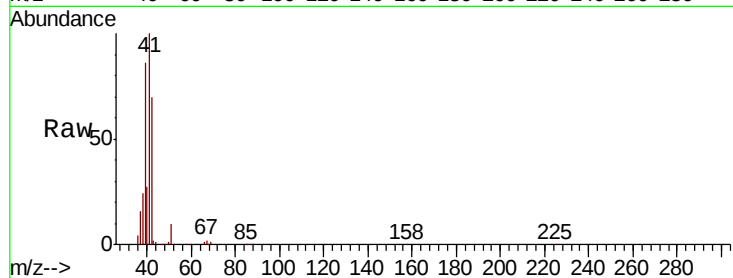
#9
Propene
Concen: 9.456 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion: 41 Resp: 507397
Ion Ratio Lower Upper
41 100
42 69.6 54.6 82.0

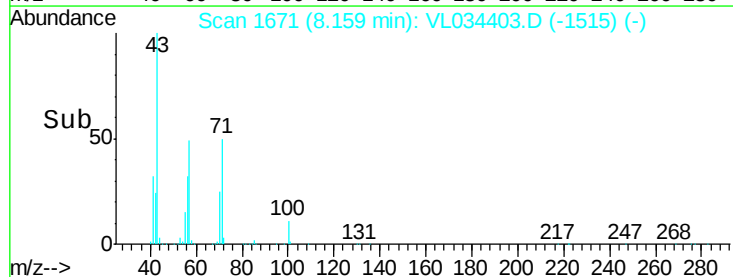
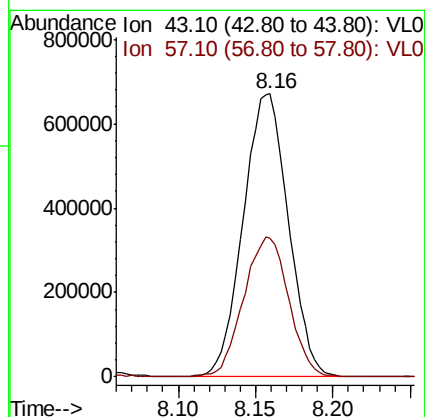
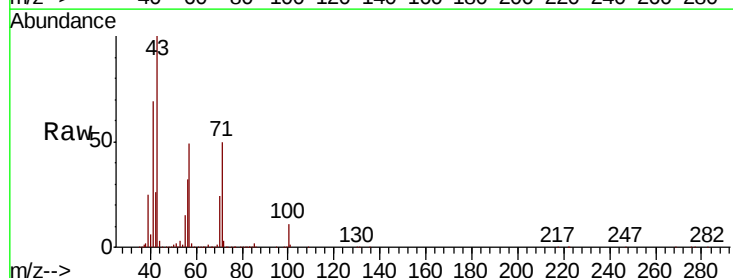
Manual Integrations
APPROVED

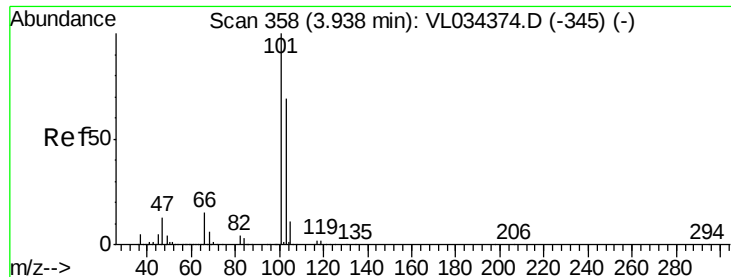
apatel
12/2/2019 9:19:38 AM



#10
Heptane
Concen: 9.792 ppbv
RT: 8.16 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 43 Resp: 1355995
Ion Ratio Lower Upper
43 100
57 49.7 40.2 60.2





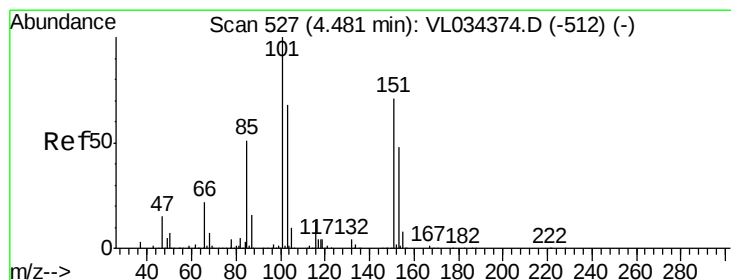
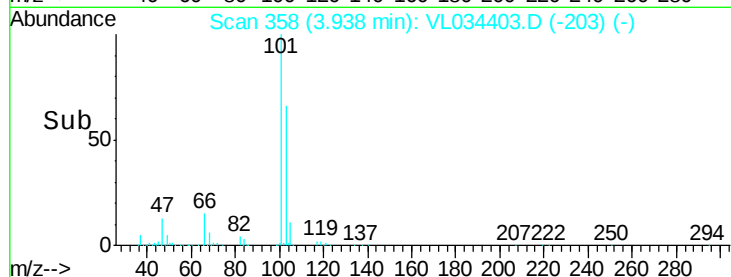
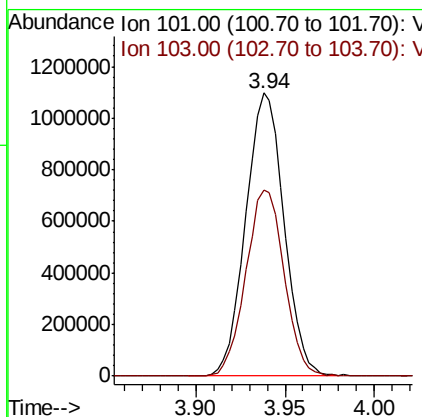
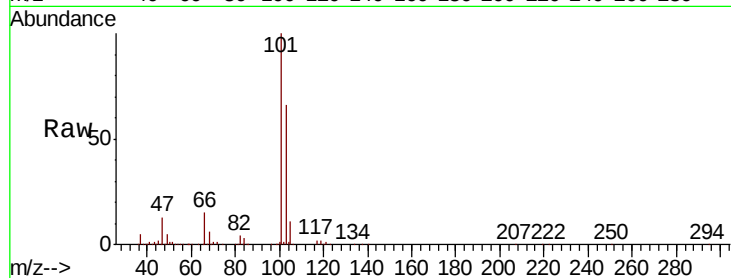
#11
 Trichlorofluoromethane
 Concen: 9.438 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1125ABS01

Tot Ion:101 Resp: 1646057
 Ion Ratio Lower Upper
 101 100
 103 65.5 55.4 83.0

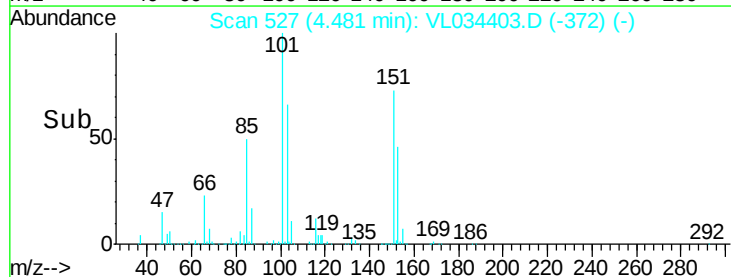
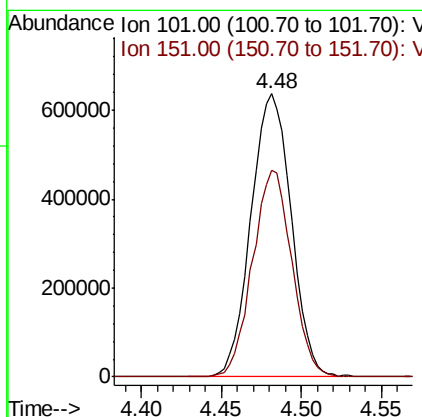
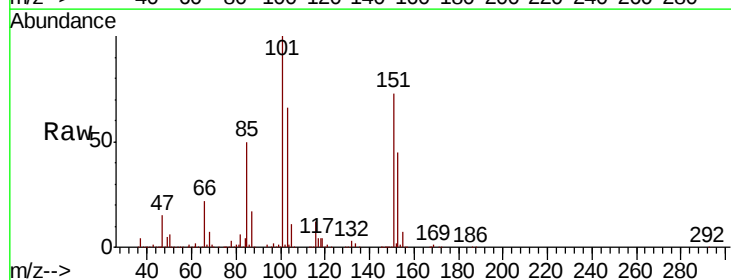
Manual Integrations
 APPROVED

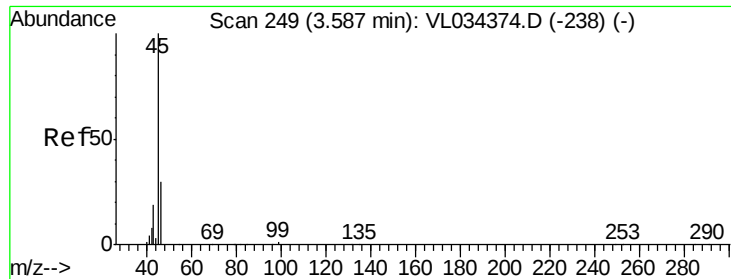
apatel
 12/2/2019 9:19:38 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.497 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion:101 Resp: 1099945
 Ion Ratio Lower Upper
 101 100
 151 71.5 57.4 86.2





#13

Ethanol

Concen: 5.972 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VL1125ABS01

Tot Ion: 45 Resp: 89272

Ion Ratio Lower Upper

45 100

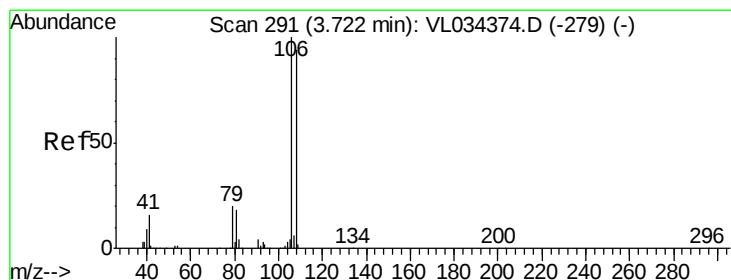
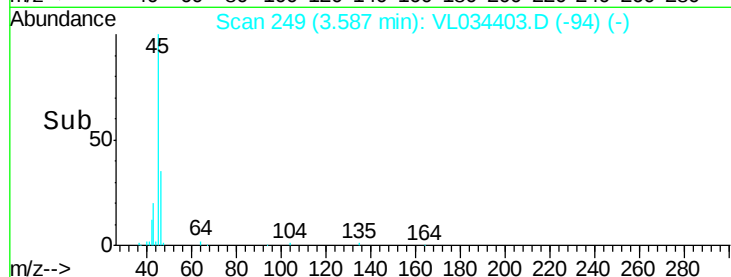
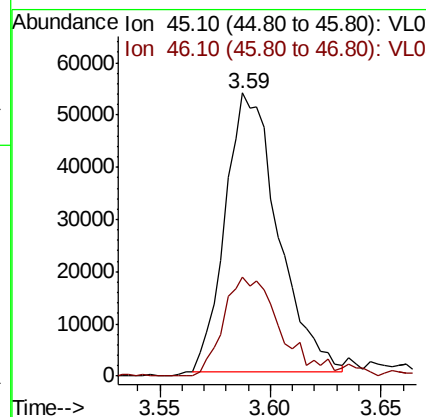
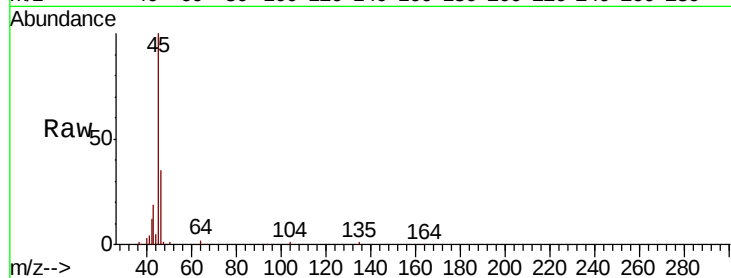
46 41.2 13.8 55.4

Manual Integrations

APPROVED

apatel

12/2/2019 9:19:38 AM



#14

Bromoethene

Concen: 9.776 ppbv

RT: 3.73 min Scan# 292

Delta R.T. 0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

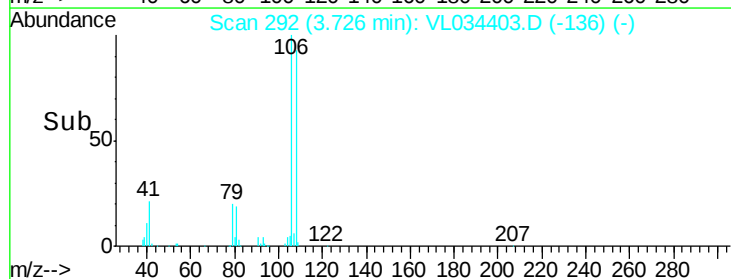
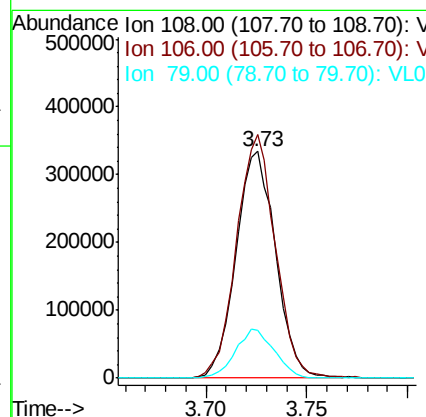
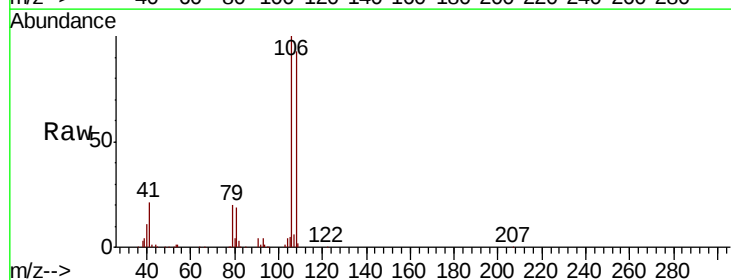
Tgt Ion: 108 Resp: 460406

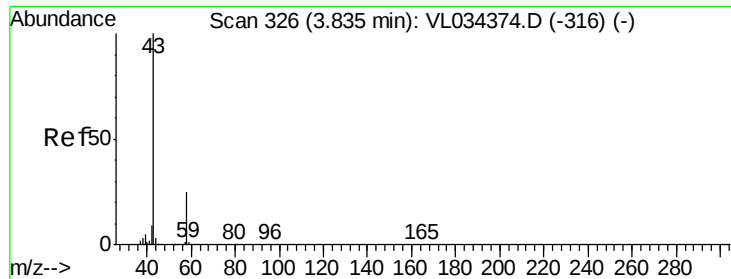
Ion Ratio Lower Upper

108 100

106 106.0 85.7 128.5

79 21.6 17.2 25.8





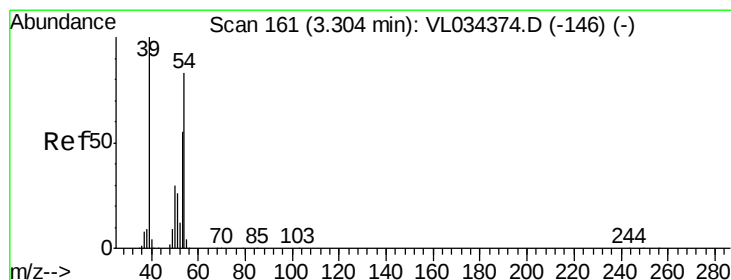
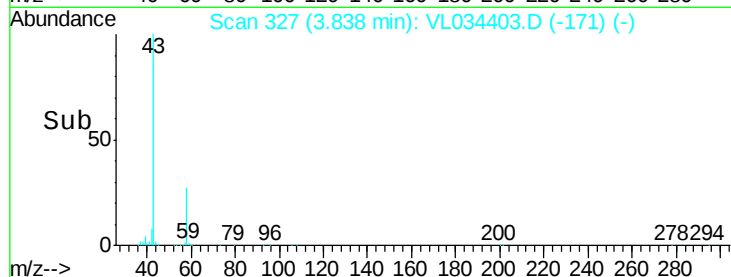
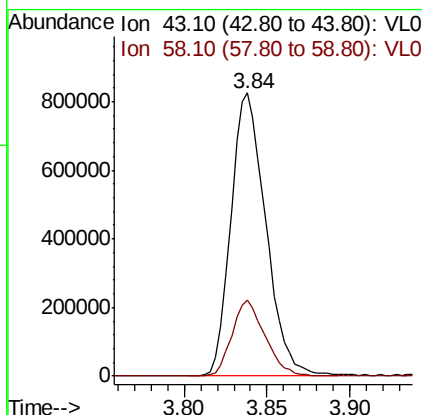
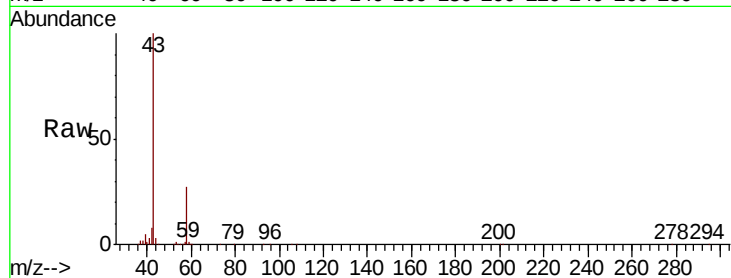
#15
Acetone
Concen: 8.703 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion: 43 Resp: 1207183
Ion Ratio Lower Upper
43 100
58 25.7 20.2 30.4

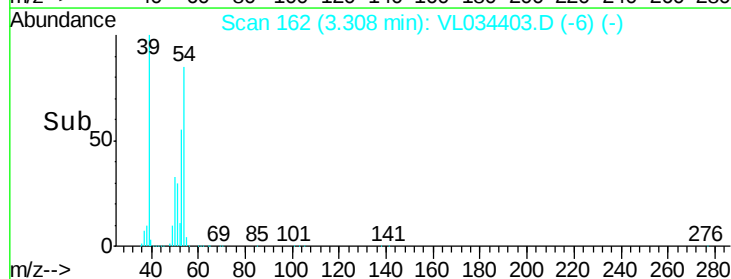
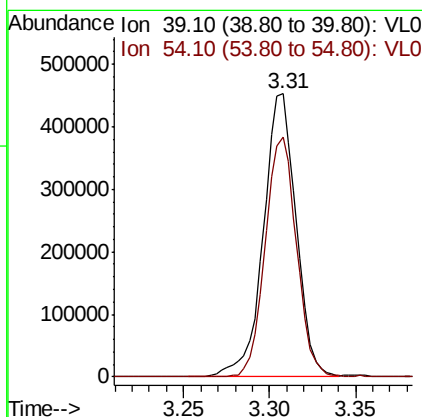
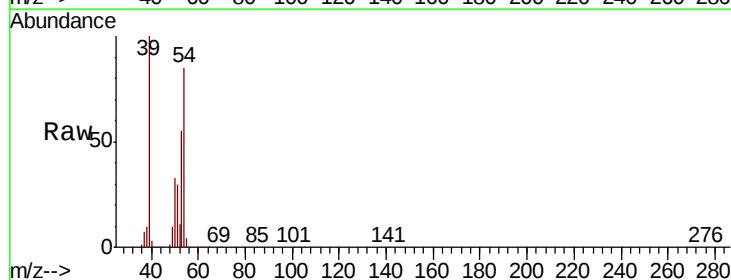
Manual Integrations
APPROVED

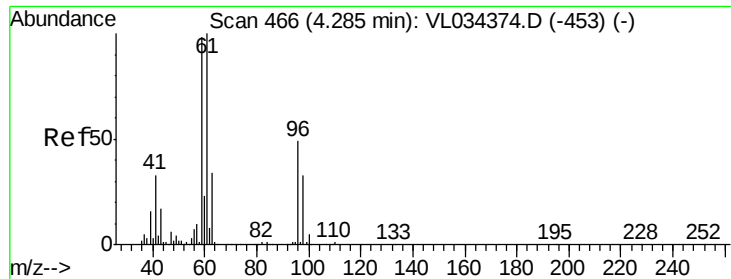
apatel
12/2/2019 9:19:38 AM



#16
1,3-Butadiene
Concen: 9.842 ppbv
RT: 3.31 min Scan# 162
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 39 Resp: 594714
Ion Ratio Lower Upper
39 100
54 81.7 64.7 97.1





#17

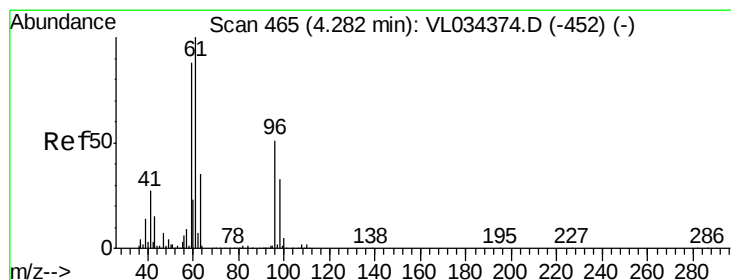
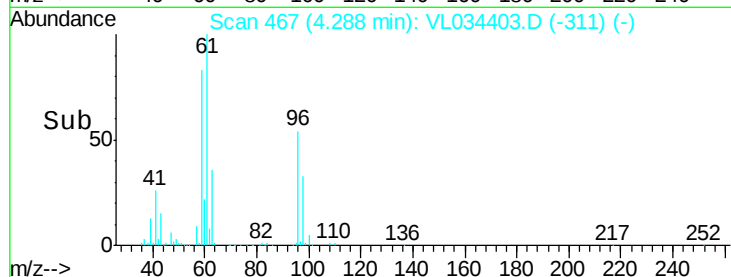
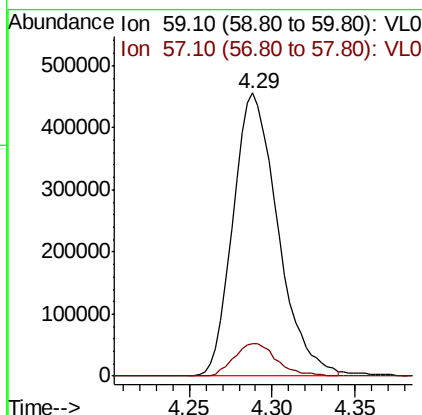
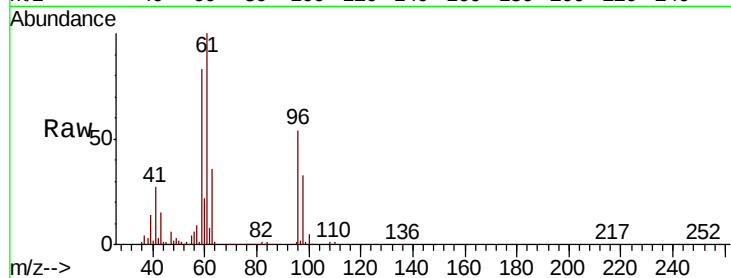
tert-Butyl alcohol
Concen: 7.356 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampled :
VL1125ABS01

Tot Ion	59	Resp	857670
Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.8	13.2

Manual Integrations
APPROVED

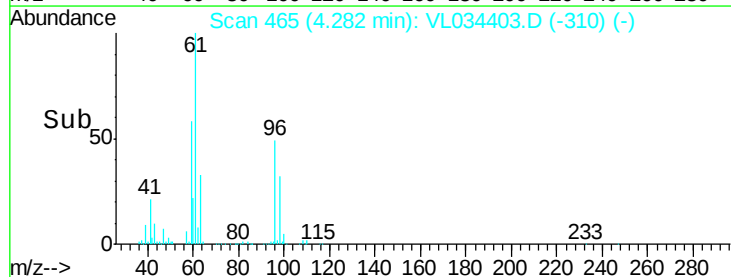
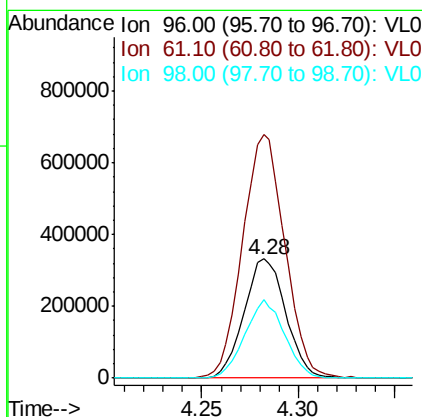
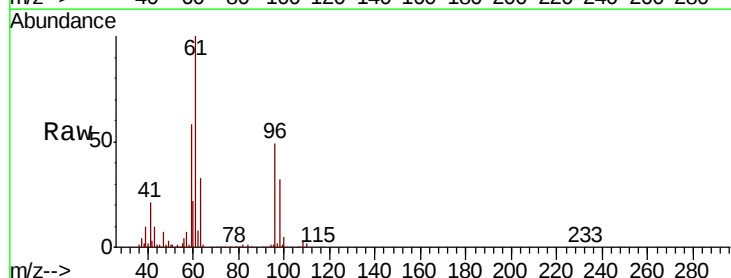
apatel
12/2/2019 9:19:38 AM

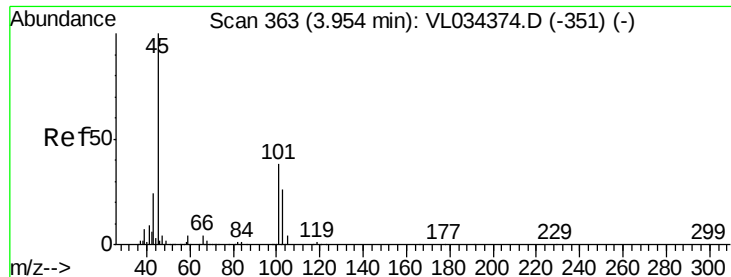


#18

1,1-Dichloroethene
Concen: 9.809 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion	96	Resp	496977
Ion	Ratio	Lower	Upper
96	100		
61	204.3	155.6	233.4
98	65.5	51.6	77.4





#19

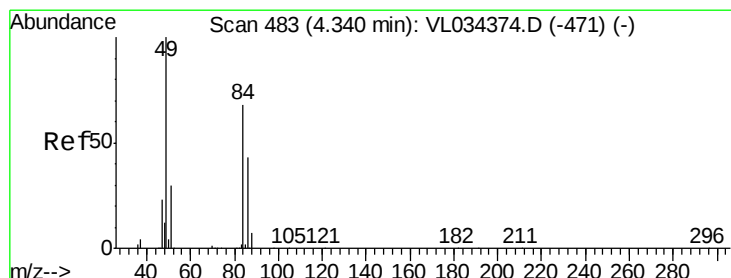
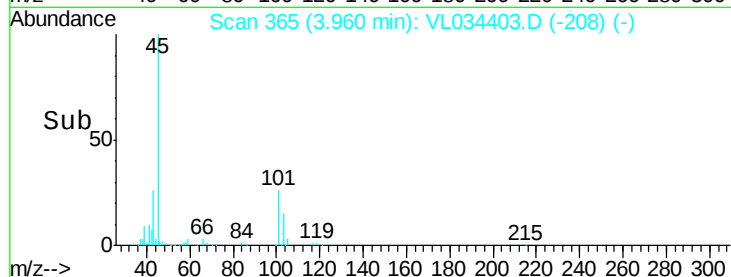
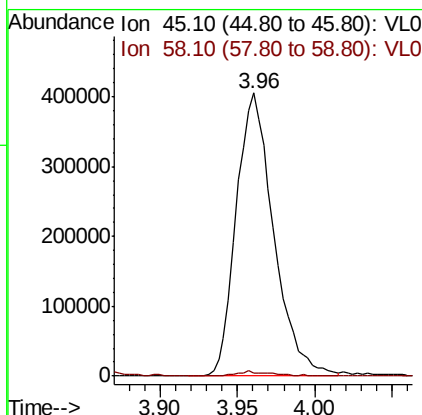
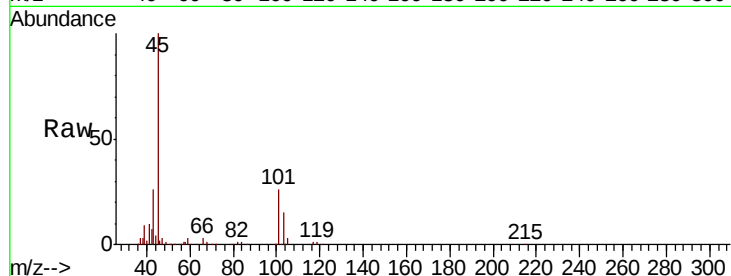
Isopropyl Alcohol
 Concen: 7.663 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1125ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.3	1.9#

Manual Integrations
 APPROVED

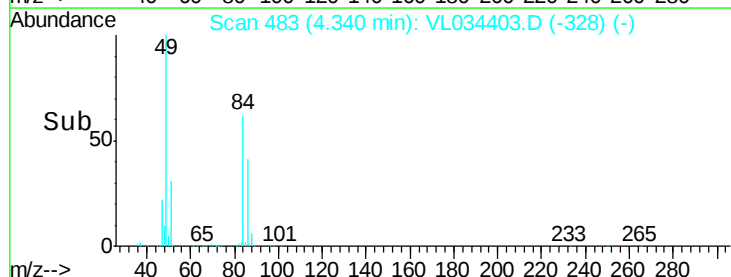
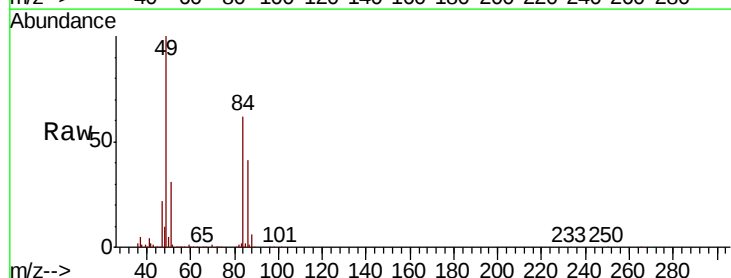
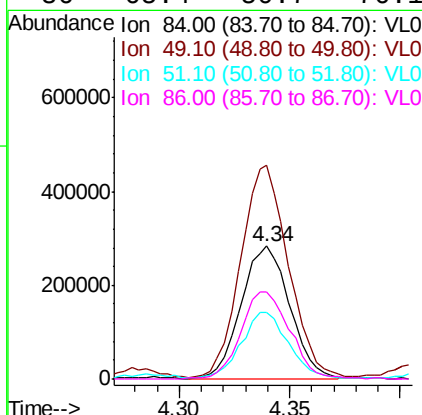
apatel
 12/2/2019 9:19:38 AM

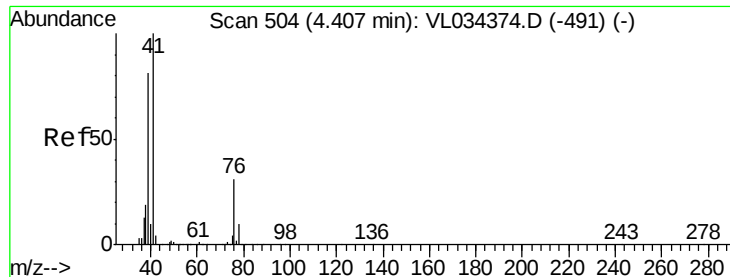


#20

Methylene Chloride
 Concen: 8.784 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.8	116.8	175.2
51	48.8	35.6	53.4
86	65.4	50.7	76.1





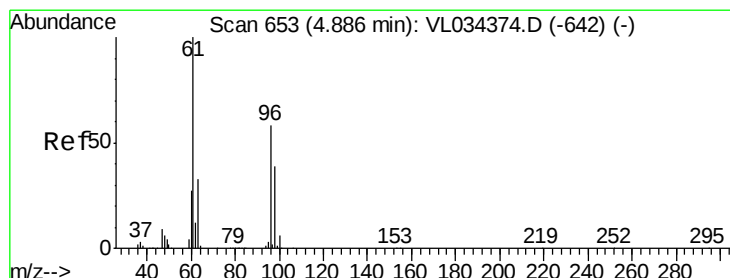
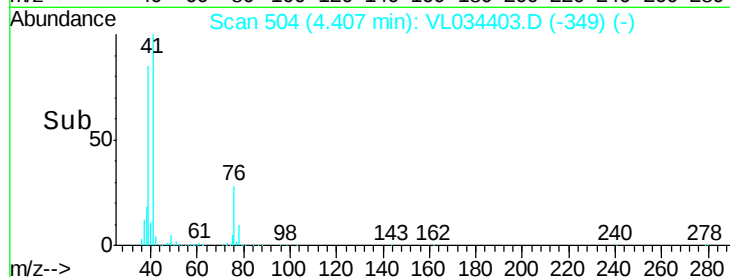
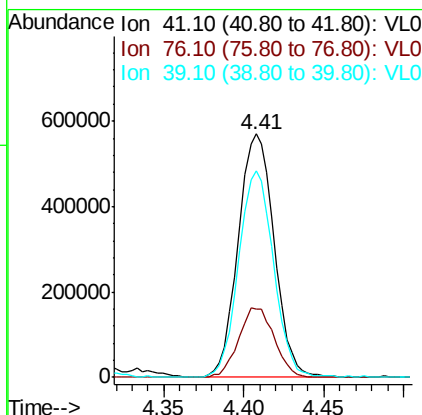
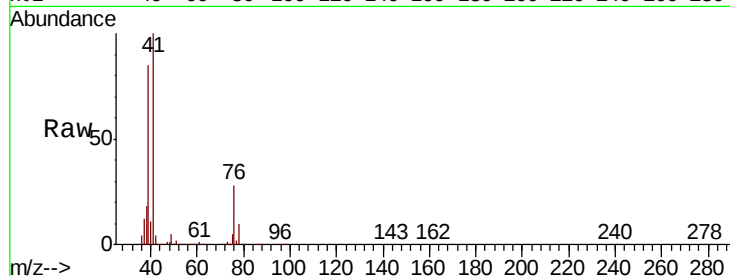
#21
Allvl Chloride
Concen: 10.414 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.7	24.2	36.2
39	82.9	66.9	100.3

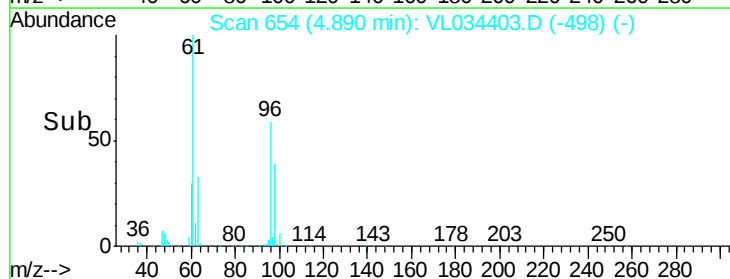
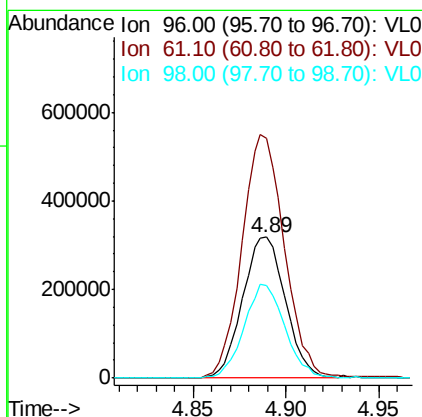
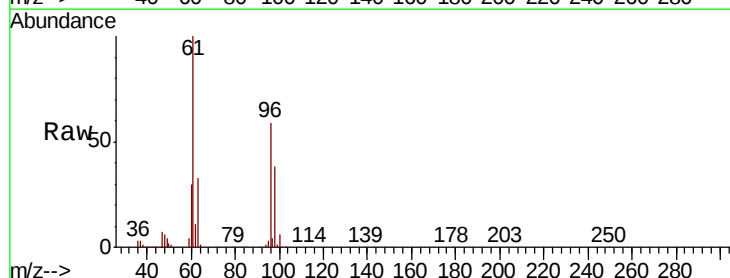
Manual Integrations
APPROVED

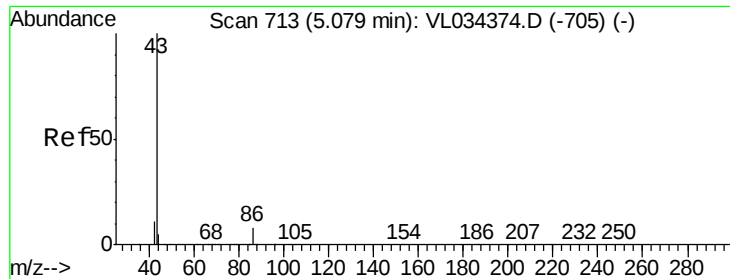
apatel
12/2/2019 9:19:38 AM



#22
trans-1,2-Dichloroethene
Concen: 9.987 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.2	137.9	206.9
98	65.5	53.5	80.3





#23

Vinyl Acetate

Concen: 10.251 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VL1125ABS01

Tot Ion: 43 Resp: 1857562

Ion Ratio Lower Upper

43 100

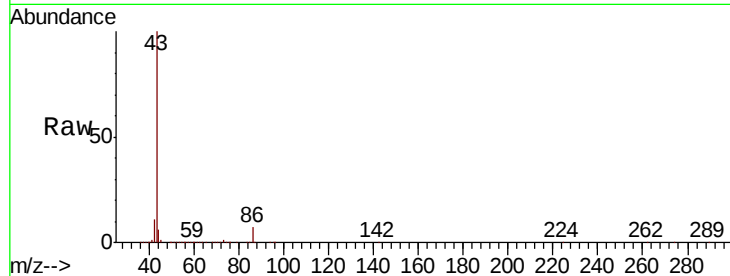
86 6.7 5.8 8.6

42 10.6 8.9 13.3

44 5.8 4.0 6.0

Manual Integrations
APPROVED

apatel
12/2/2019 9:19:38 AM

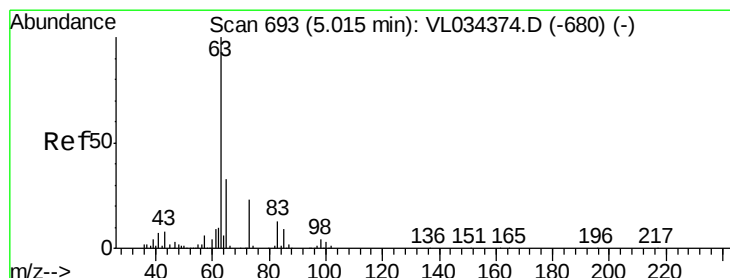
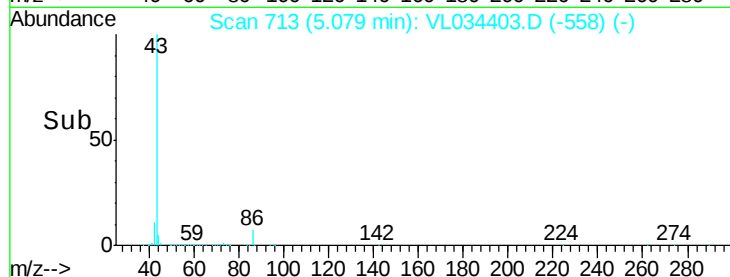
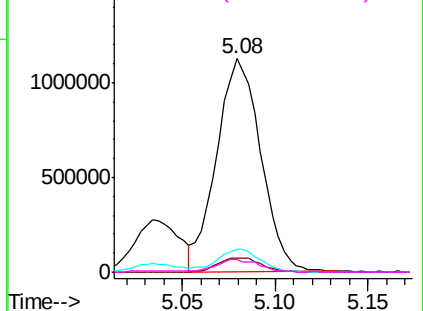


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.589 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

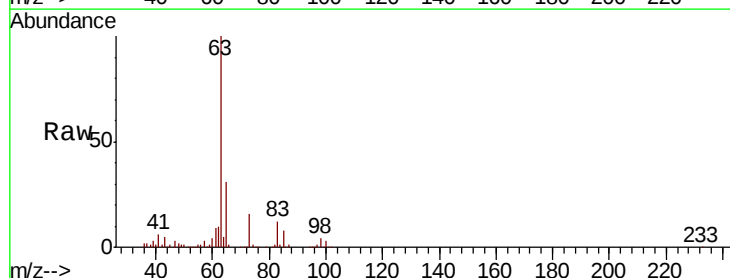
Tgt Ion: 63 Resp: 1334692

Ion Ratio Lower Upper

63 100

98 4.1 1.9 5.7

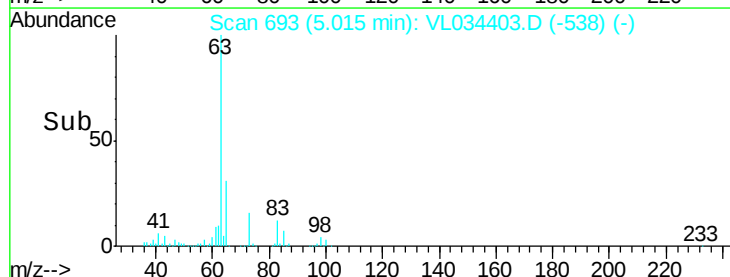
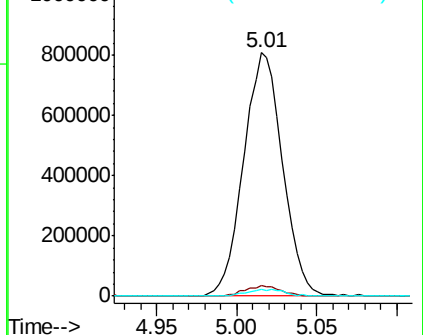
100 2.6 1.4 4.0

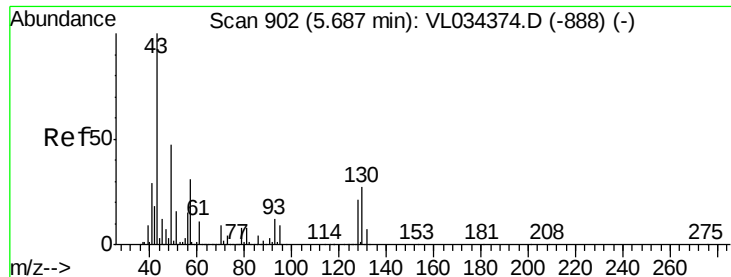


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.503 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VL1125ABS01

Tot Ion: 43 Resp: 2352349

Ion Ratio Lower Upper

43 100

45 10.3 8.2 12.4

61 9.5 7.5 11.3

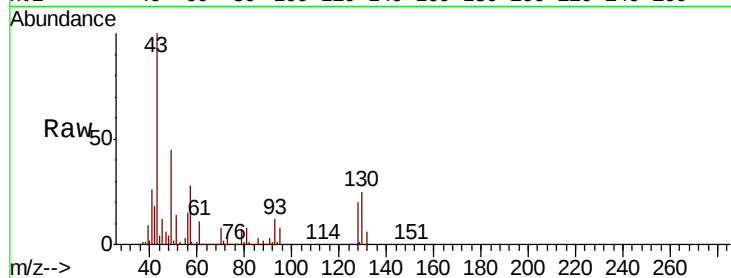
70 7.2 5.7 8.5

Manual Integrations

APPROVED

apatel

12/2/2019 9:19:38 AM

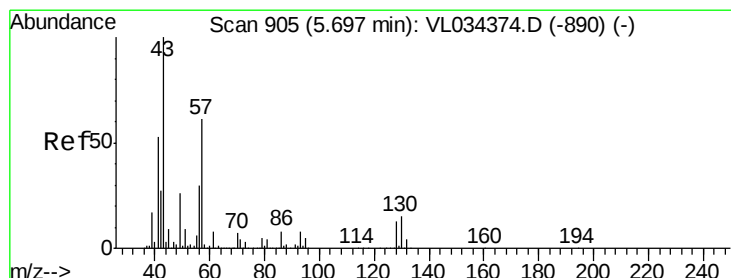
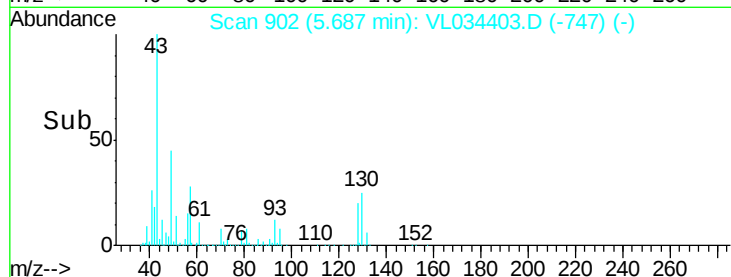
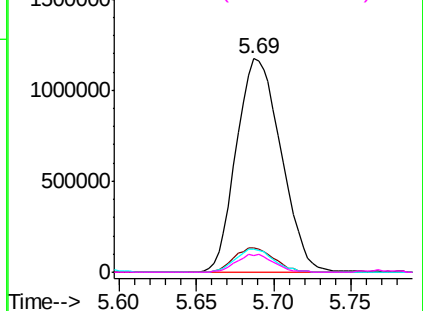


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.435 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Tgt Ion: 57 Resp: 1003534

Ion Ratio Lower Upper

57 100

41 94.8 75.0 112.4

43 235.4 186.6 279.8

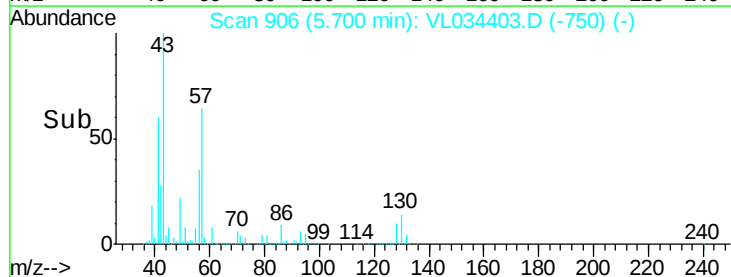
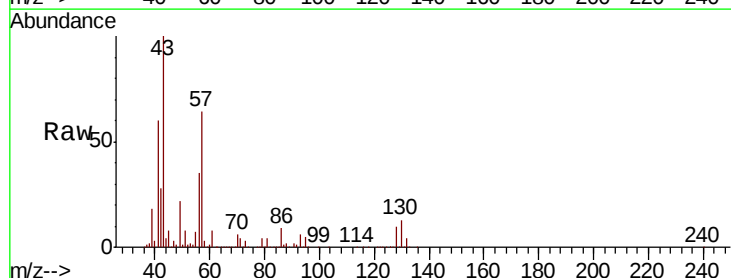
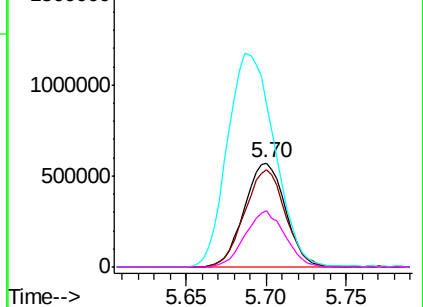
56 53.0 41.5 62.3

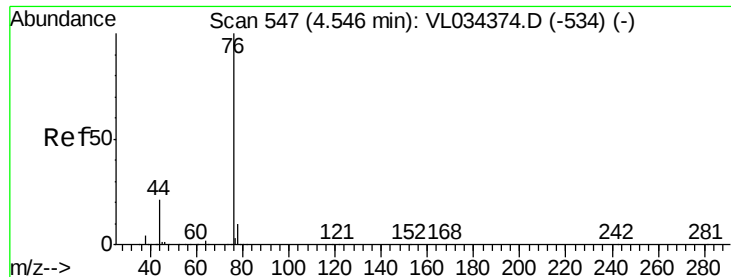
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 11.015 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VL1125ABS01

Tot Ion: 76 Resp: 1276065

Ion Ratio Lower Upper

76 100

44 19.9 17.0 25.4

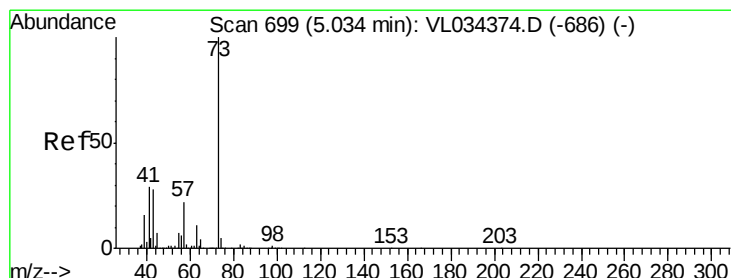
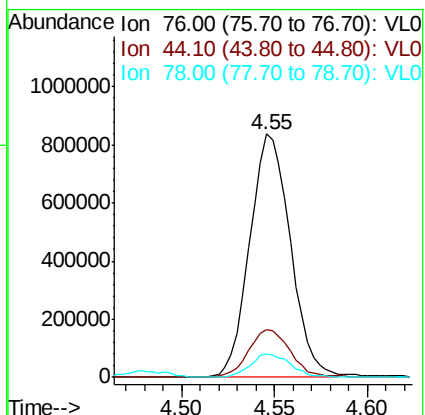
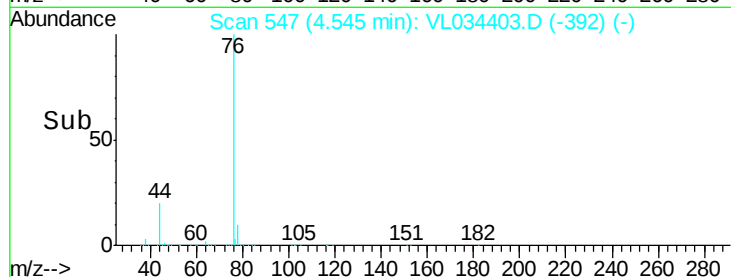
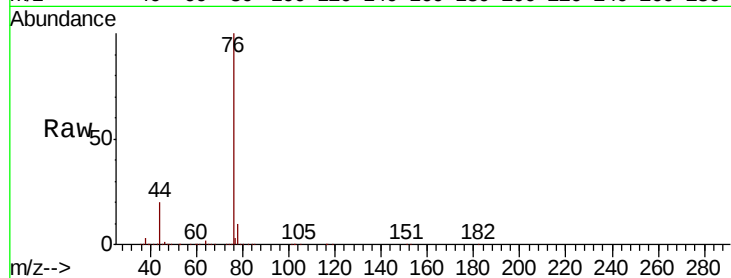
78 9.5 7.6 11.4

Manual Integrations

APPROVED

apatel

12/2/2019 9:19:38 AM



#28

Methyl tert-Butyl Ether

Concen: 9.665 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL034403.D

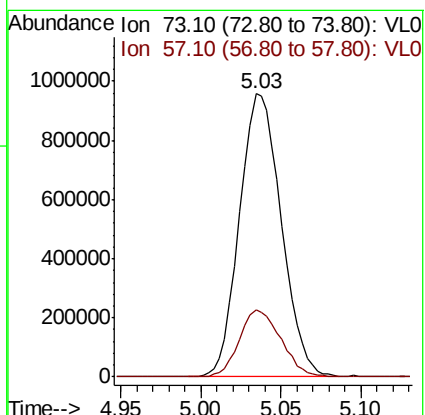
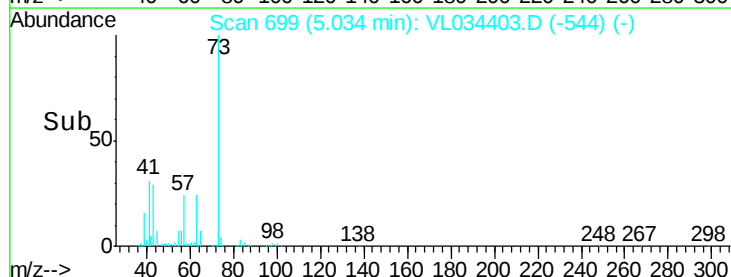
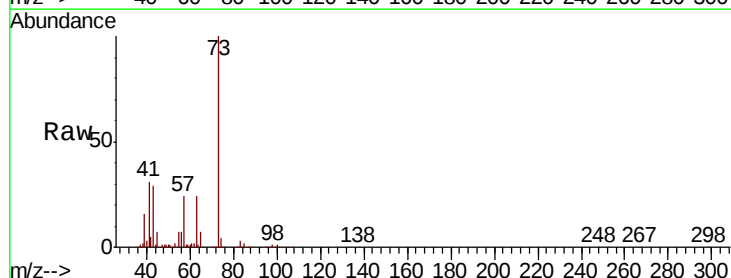
Acq: 25 Nov 2019 12:25

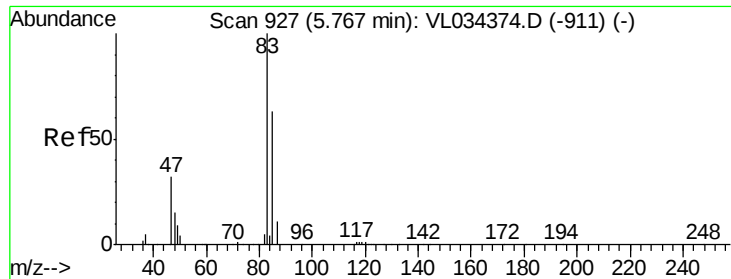
Tgt Ion: 73 Resp: 1704531

Ion Ratio Lower Upper

73 100

57 23.6 18.4 27.6





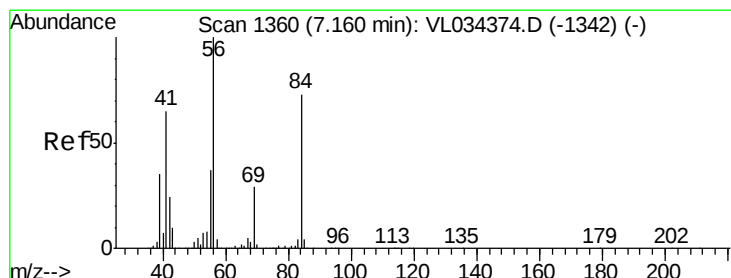
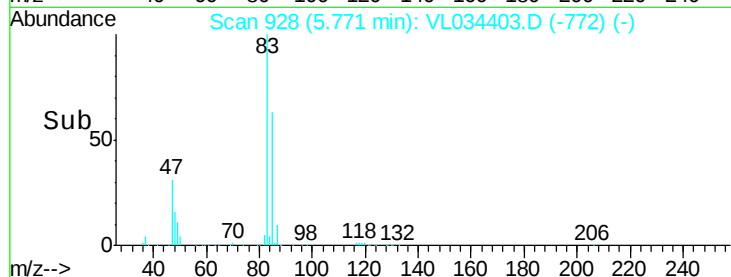
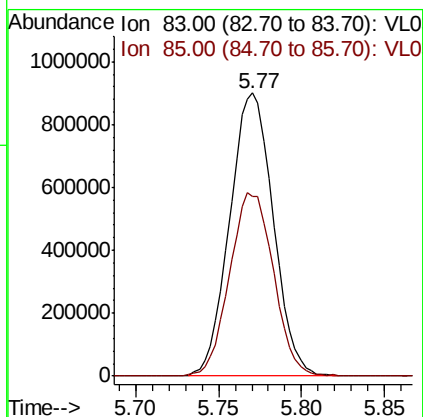
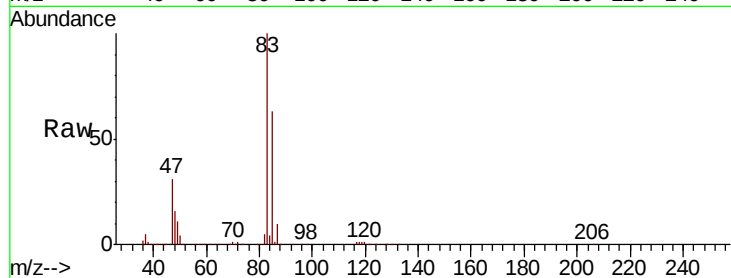
#29
Chloroform
Concen: 9.489 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion: 83 Resp: 1634382
Ion Ratio Lower Upper
83 100
85 63.4 50.4 75.6

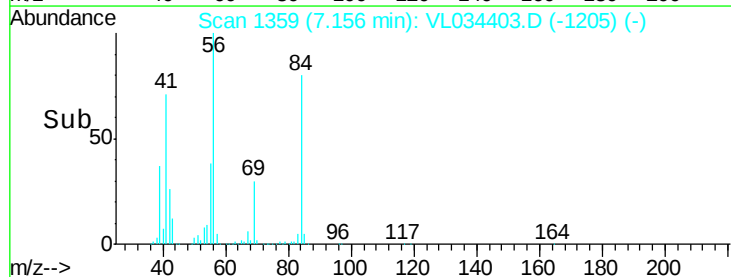
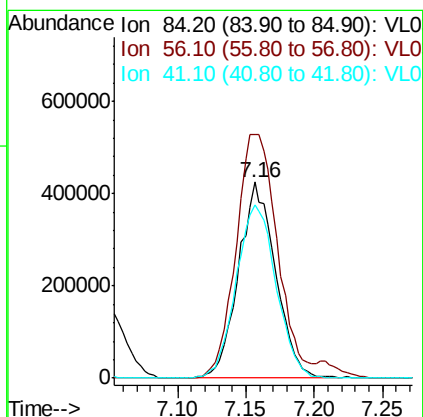
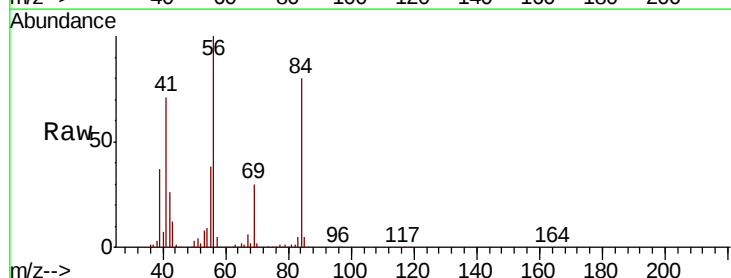
Manual Integrations
APPROVED

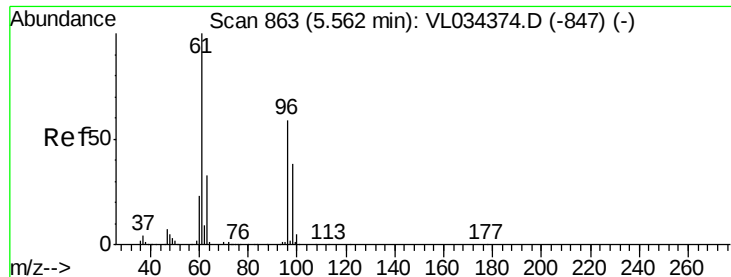
apatel
12/2/2019 9:19:38 AM



#30
Cyclohexane
Concen: 9.972 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 84 Resp: 801856
Ion Ratio Lower Upper
84 100
56 144.6 112.6 169.0
41 95.0 73.4 110.2





#31

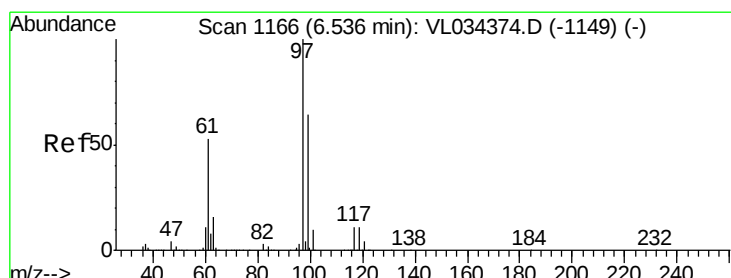
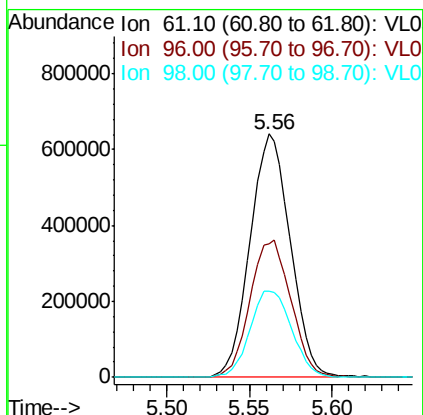
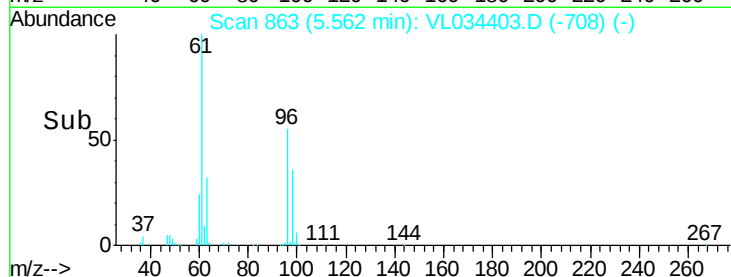
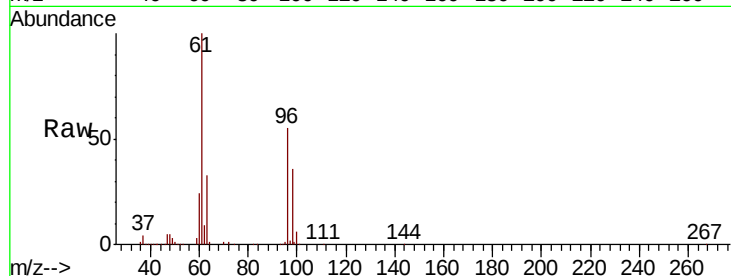
cis-1,2-Dichloroethene
Concen: 9.839 ppbv
RT: 5.56 min Scan# 863
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion	61	Resp	1081418
Ion	Ratio	Lower	Upper
61	100		
96	54.9	47.4	71.2
98	35.6	30.6	45.8

Manual Integrations
APPROVED

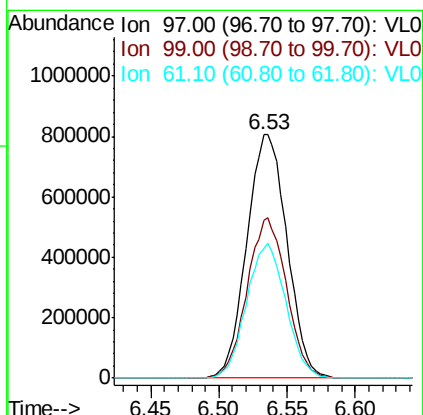
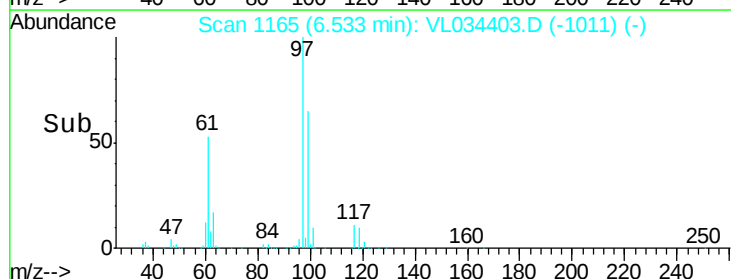
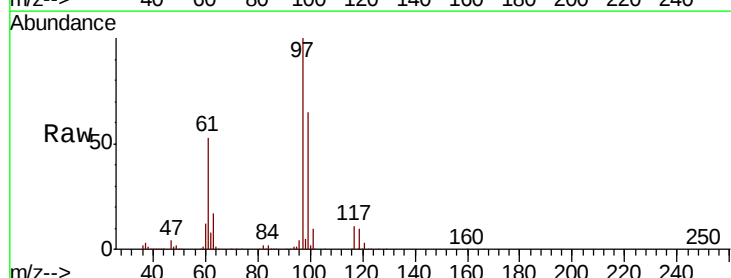
apatel
12/2/2019 9:19:38 AM

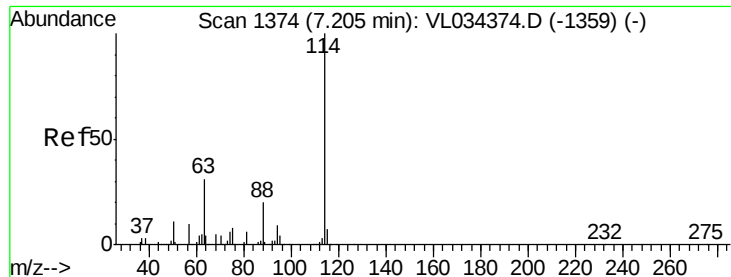


#32

1,1,1-Trichloroethane
Concen: 10.199 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion	97	Resp	1647102
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.3	78.5
61	54.3	43.7	65.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

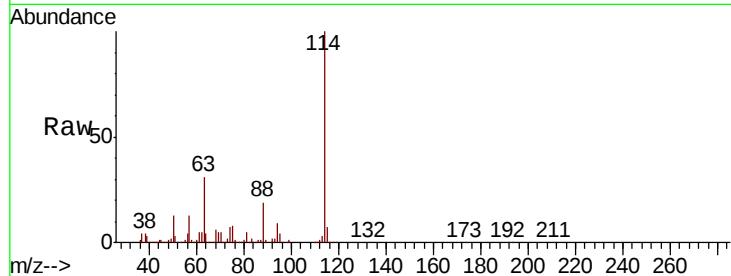
ClientSampleId :

VL1125ABS01

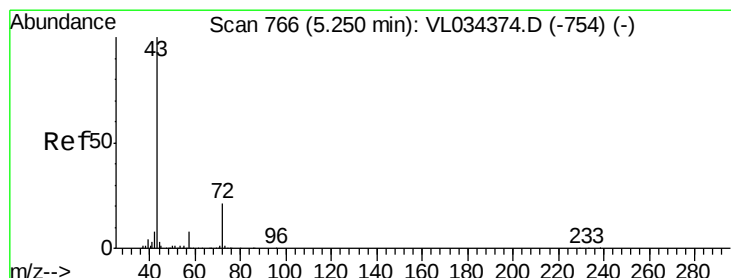
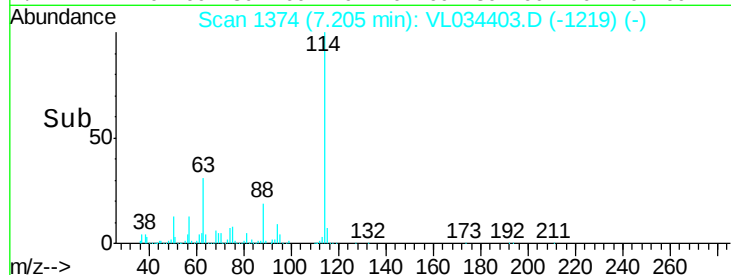
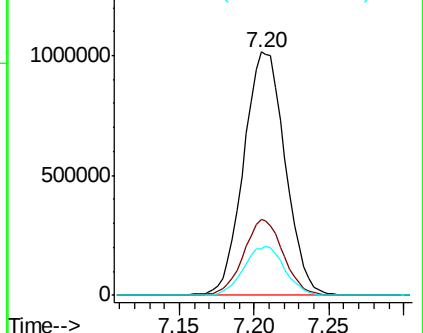
Tot Ion:	114	Resp:	1962124
Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.2	36.4
88	19.9	15.9	23.9

Manual Integrations
APPROVED

apatel
12/2/2019 9:19:38 AM



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



#34

2-Butanone

Concen: 9.733 ppbv

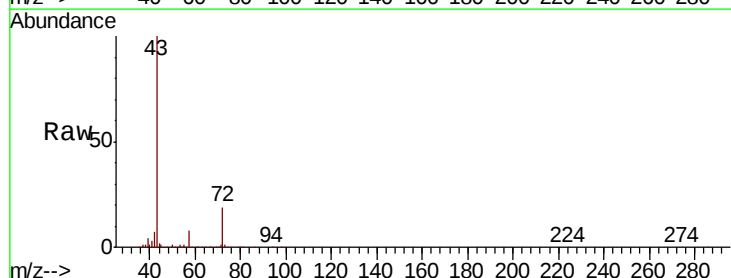
RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

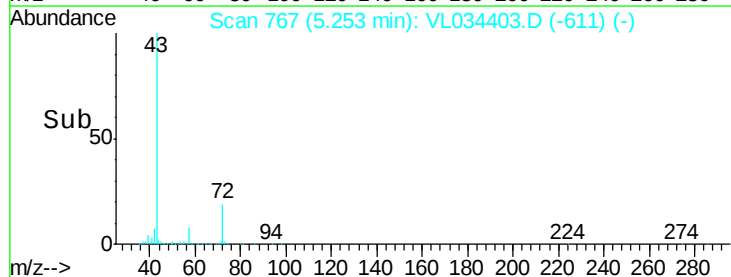
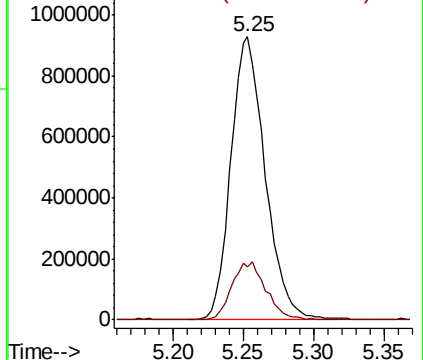
Lab File: VL034403.D

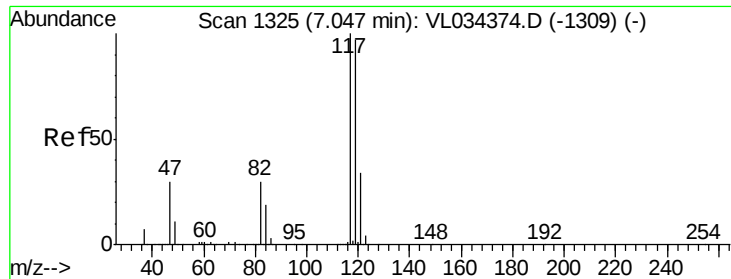
Acq: 25 Nov 2019 12:25

Tgt Ion:	43	Resp:	1571900
Ion	Ratio	Lower	Upper
43	100		
72	20.7	17.0	25.6



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





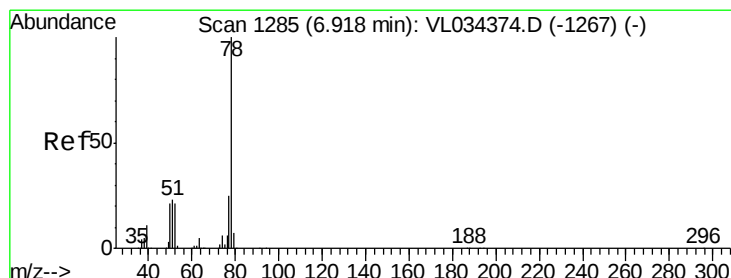
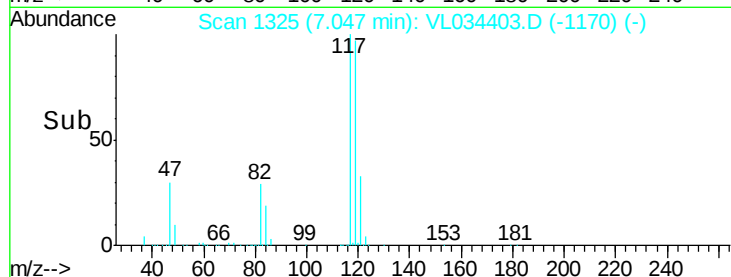
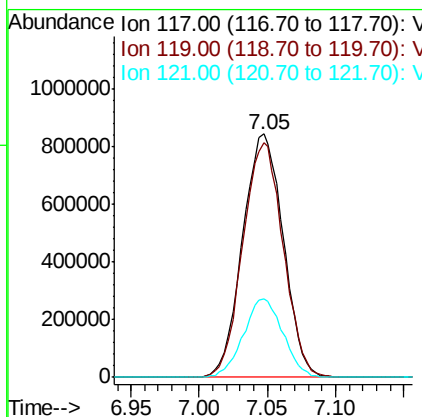
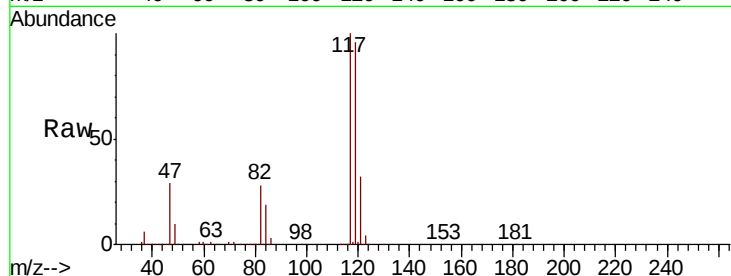
#35
Carbon Tetrachloride
Concen: 10.343 ppbv
RT: 7.05 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.3	115.9
121	32.3	27.4	41.2

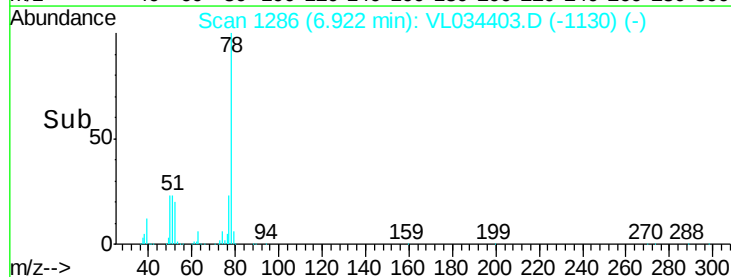
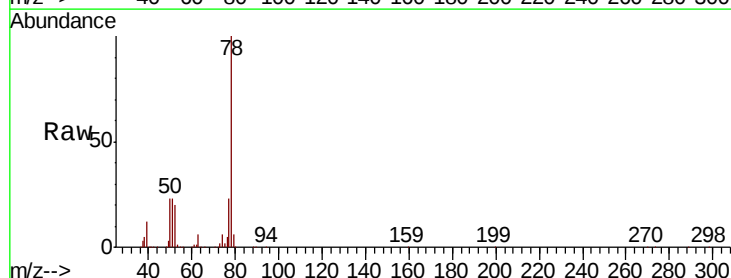
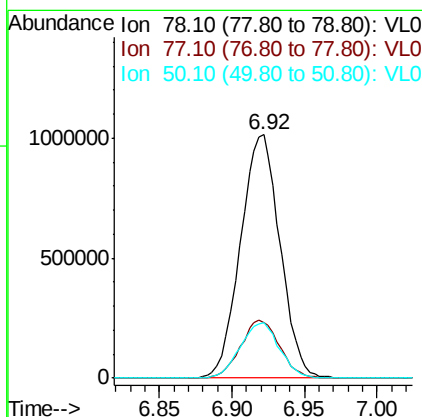
Manual Integrations
APPROVED

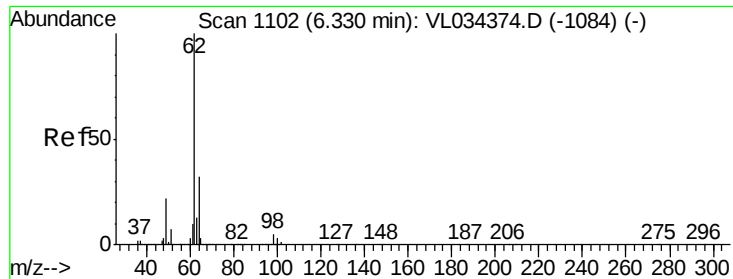
apatel
12/2/2019 9:19:38 AM



#36
Benzene
Concen: 9.794 ppbv
RT: 6.92 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	20.2	30.4
50	22.9	17.1	25.7





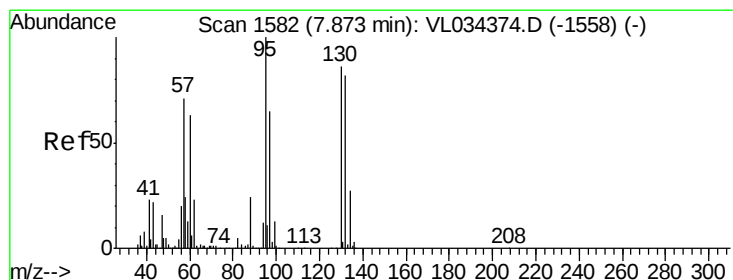
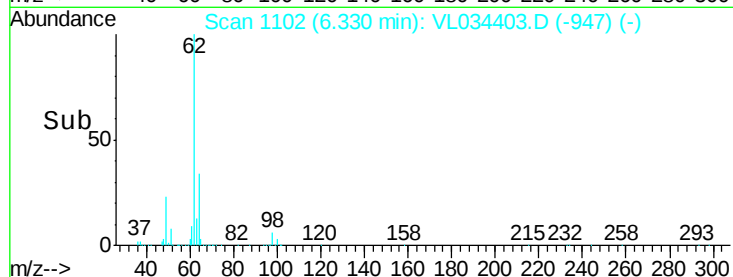
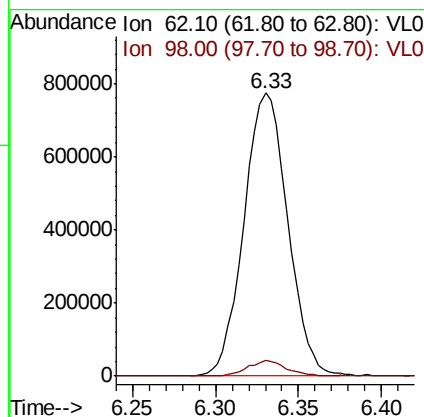
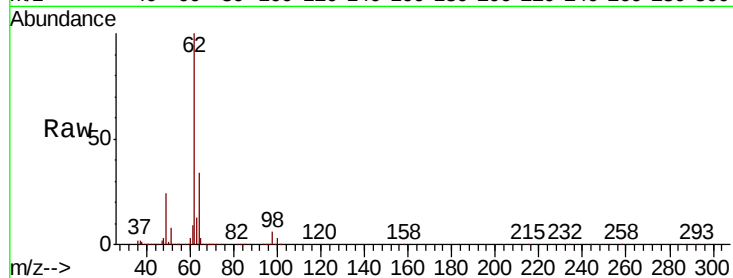
#37
 1,2-Dichloroethane
 Concen: 9.746 ppbv
 RT: 6.33 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1125ABS01

Tot Ion: 62 Resp: 1420090
 Ion Ratio Lower Upper
 62 100
 98 5.0 3.8 5.8

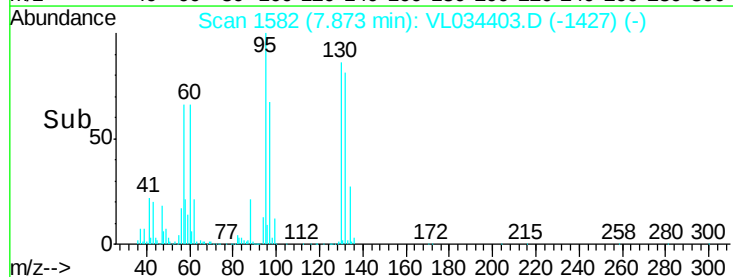
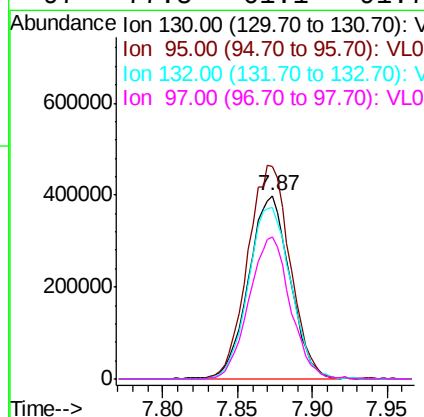
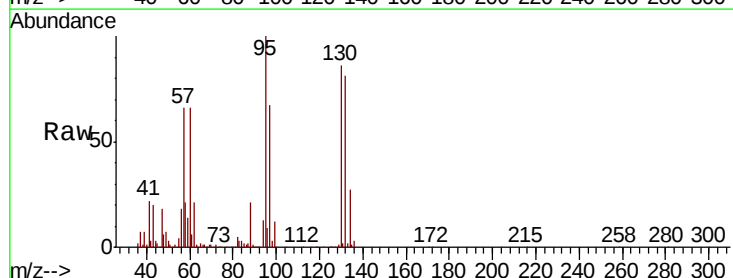
Manual Integrations
 APPROVED

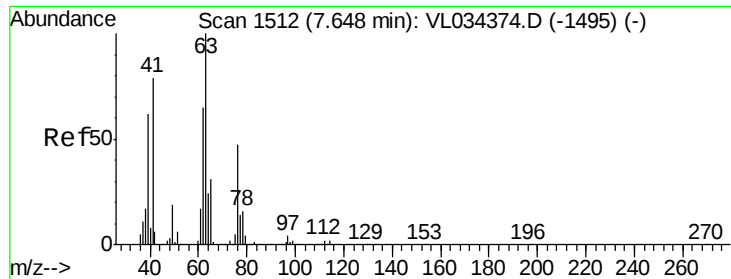
apatel
 12/2/2019 9:19:38 AM



#38
 Trichloroethene
 Concen: 9.507 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion: 130 Resp: 765226
 Ion Ratio Lower Upper
 130 100
 95 115.7 93.4 140.0
 132 93.4 76.4 114.6
 97 77.5 61.1 91.7





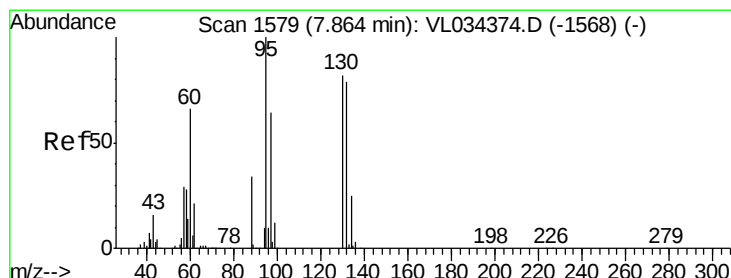
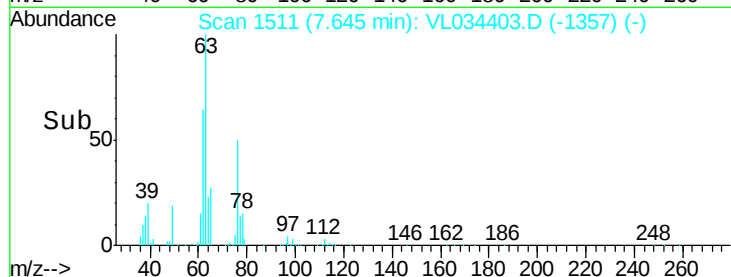
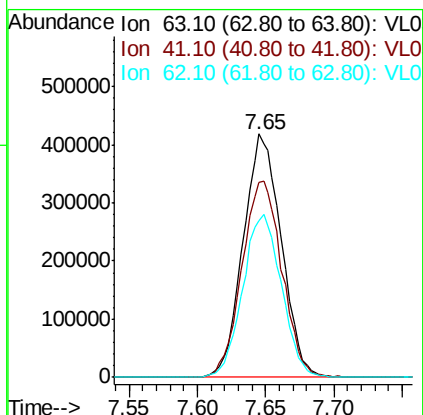
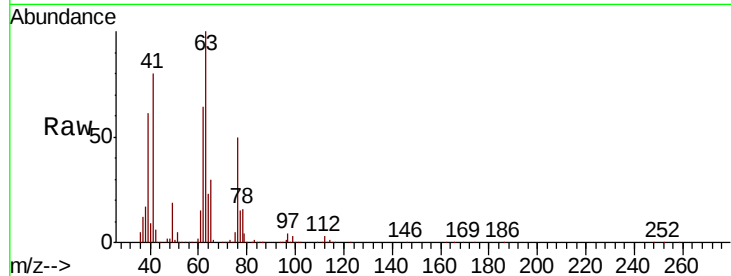
#39
 1,2-Dichloropropane
 Concen: 10.738 ppbv
 RT: 7.65 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1125ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	80.0	63.1	94.7
62	64.2	52.3	78.5

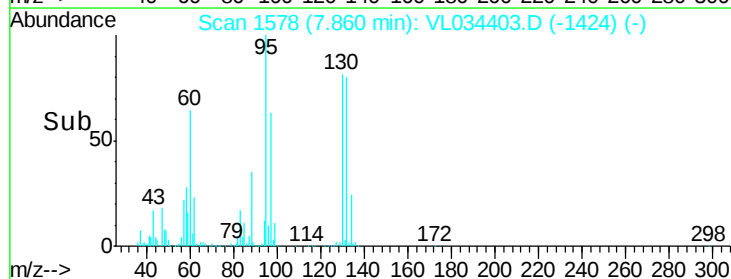
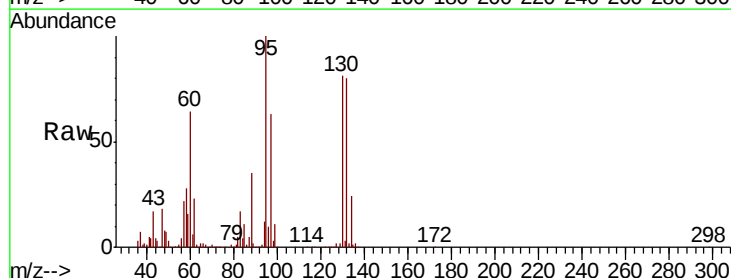
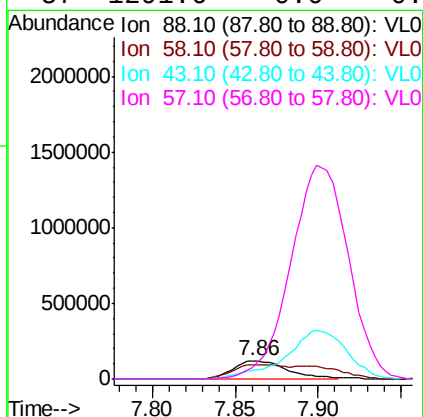
Manual Integrations
 APPROVED

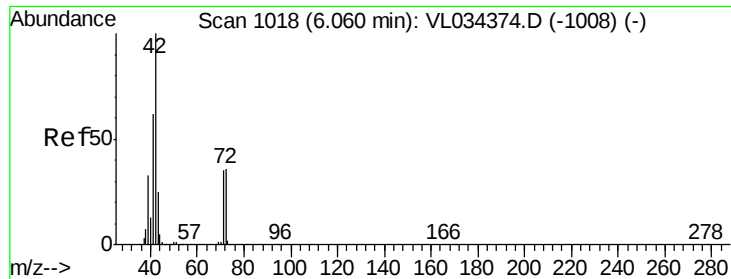
apatel
 12/2/2019 9:19:38 AM



#40
 1,4-Dioxane
 Concen: 8.054 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	143.1	109.5	164.3
43	312.6	0.0	0.0#
57	1291.6	0.0	0.0#





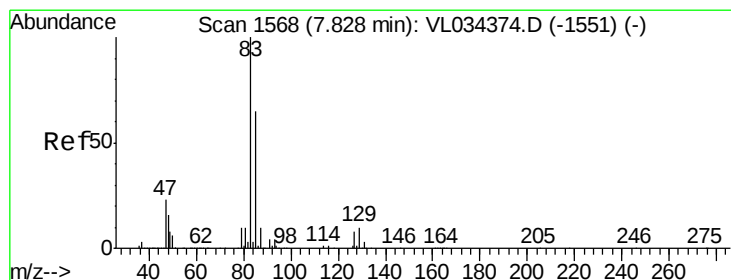
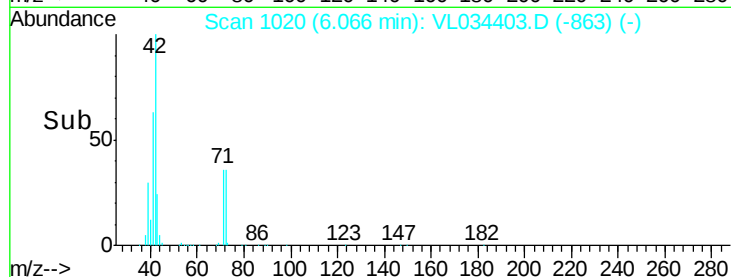
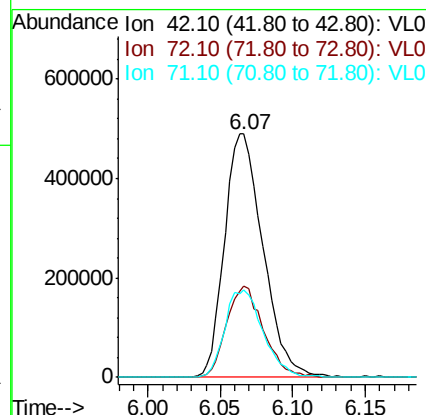
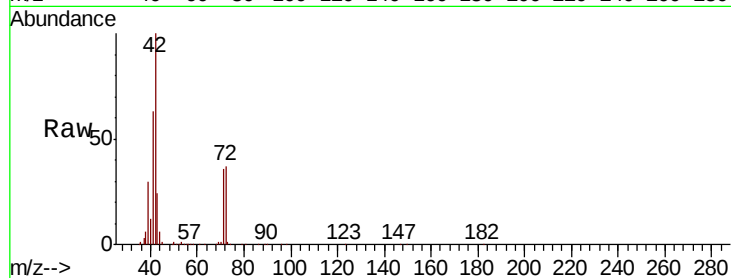
#41
Tetrahydrofuran
Concen: 9.913 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.2	45.4
71	35.8	29.4	44.2

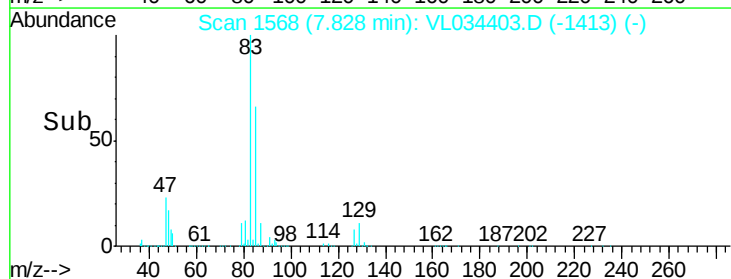
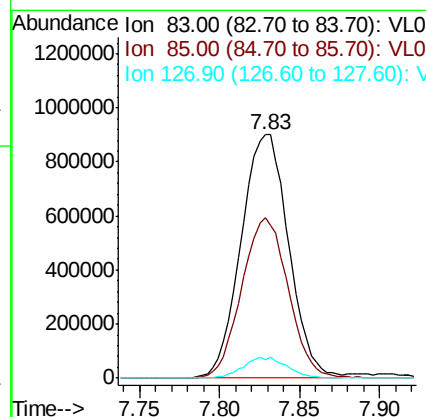
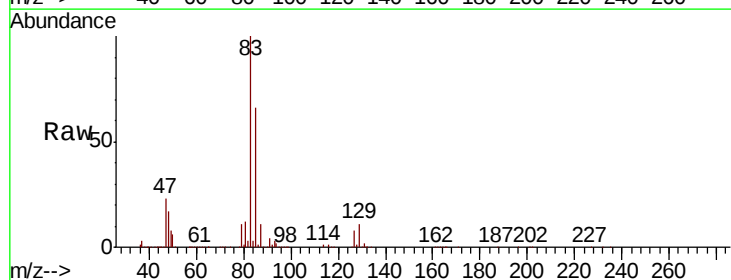
Manual Integrations
APPROVED

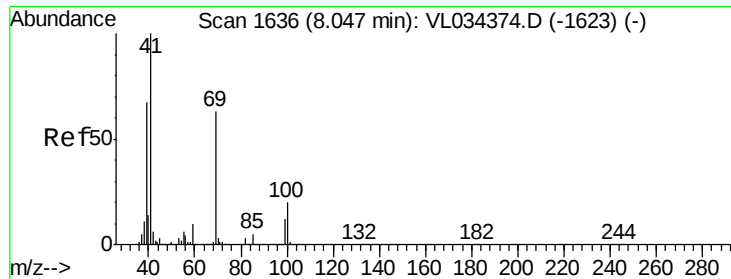
apatel
12/2/2019 9:19:38 AM



#42
Bromodichloromethane
Concen: 10.025 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.3	78.5
127	7.7	6.1	9.1





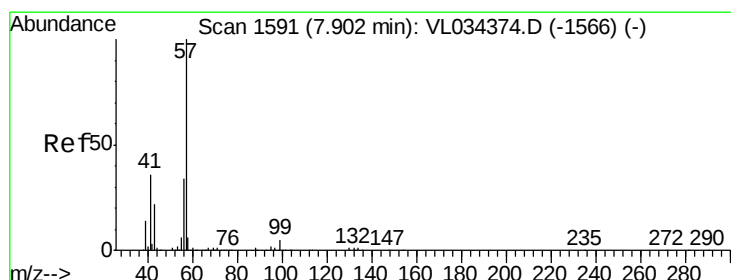
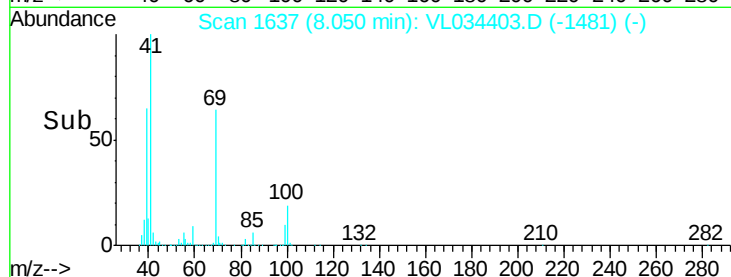
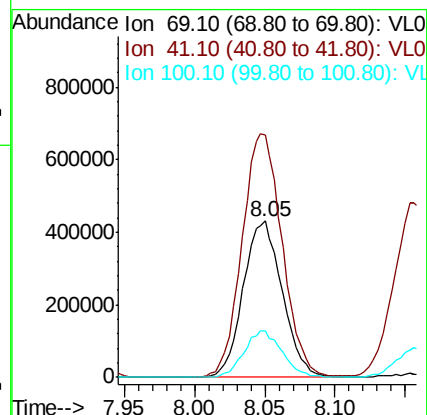
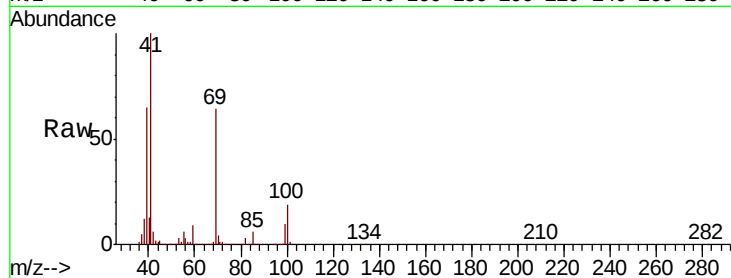
#43
Methvl Methacrilate
Concen: 10.263 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	159.8	127.4	191.2
100	29.2	24.2	36.4

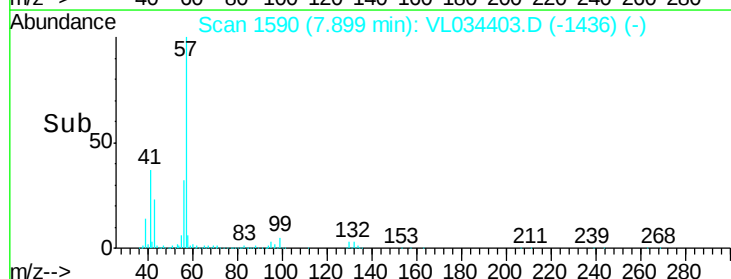
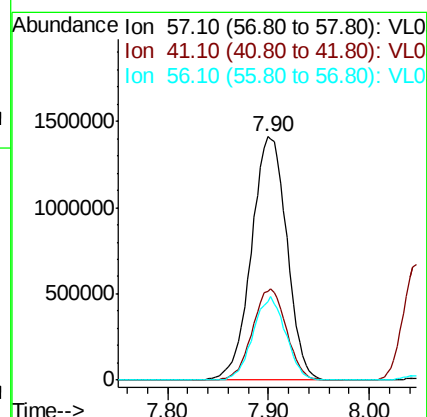
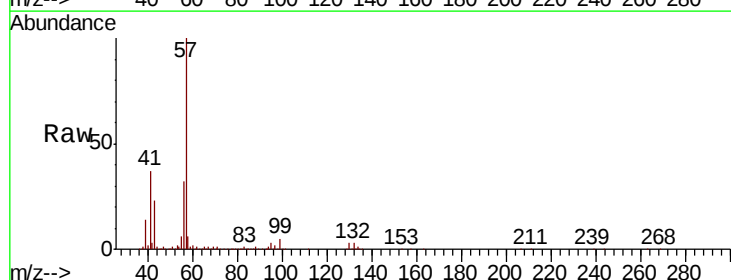
Manual Integrations
APPROVED

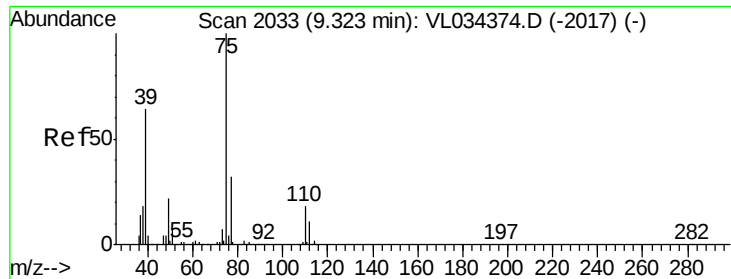
apatel
12/2/2019 9:19:38 AM



#44
2,2,4-Trimethylpentane
Concen: 9.577 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.9	28.6	42.8
56	31.5	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 11.038 ppbv

RT: 9.32 min Scan# 2032

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Tot Ion: 75 Resp: 1151593

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2

Instrument :

MSVOA_L

ClientSampleId :

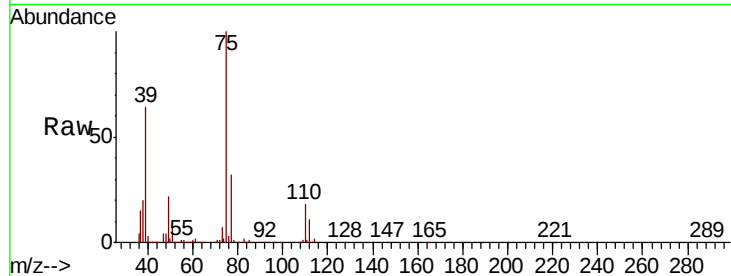
VL1125ABS01

Manual Integrations

APPROVED

apatel

12/2/2019 9:19:38 AM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.32

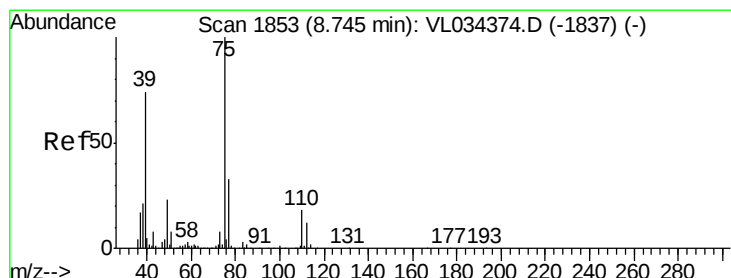
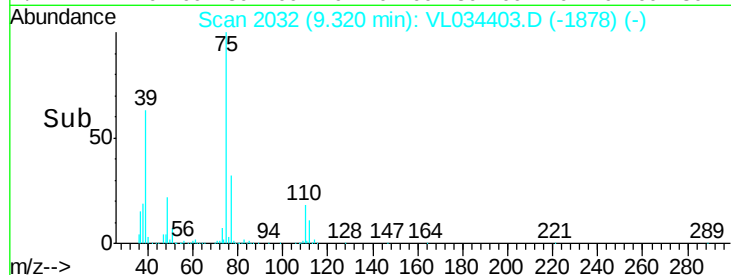
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.761 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

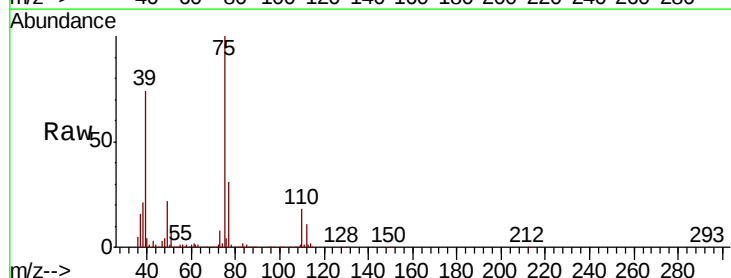
Tgt Ion: 75 Resp: 1261056

Ion Ratio Lower Upper

75 100

39 73.9 59.0 88.6

77 31.3 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

800000

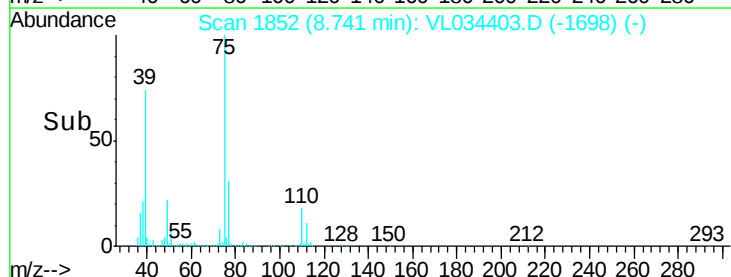
600000

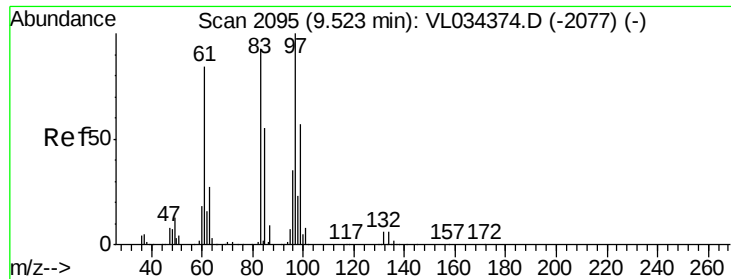
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 9.861 ppbv

RT: 9.52 min Scan# 2094

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VL1125ABS01

Tot Ion: 97 Resp: 828879

Ion Ratio Lower Upper

97 100

83 89.5 74.6 112.0

85 56.3 43.8 65.8

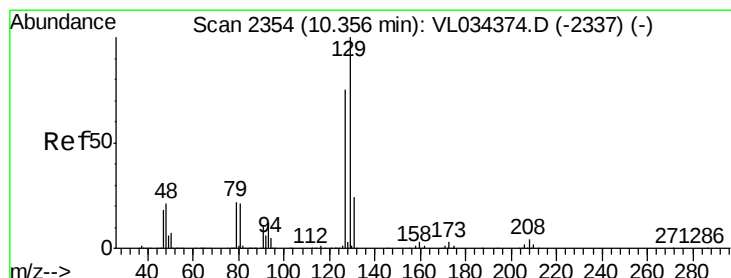
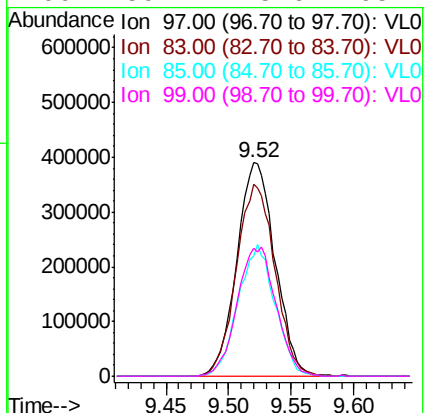
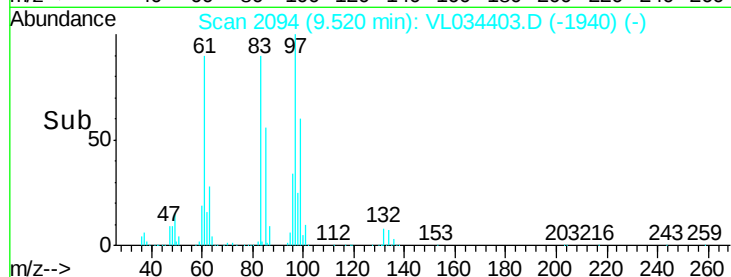
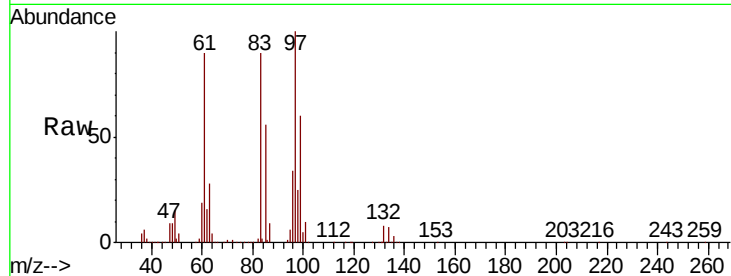
99 59.7 45.6 68.4

Manual Integrations

APPROVED

apatel

12/2/2019 9:19:38 AM



#48

Dibromochloromethane

Concen: 10.647 ppbv

RT: 10.36 min Scan# 2354

Delta R.T. -0.00 min

Lab File: VL034403.D

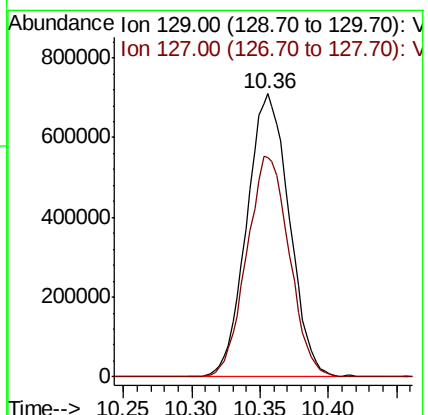
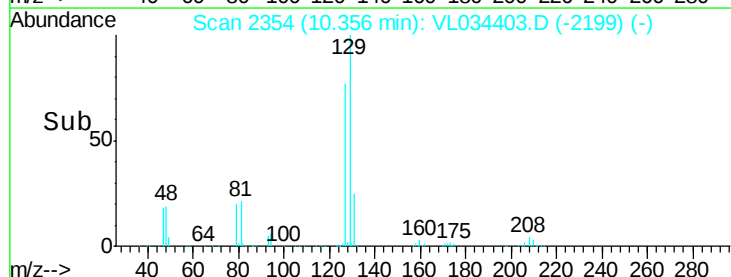
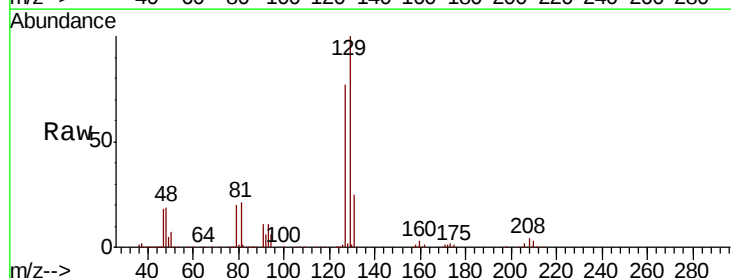
Acq: 25 Nov 2019 12:25

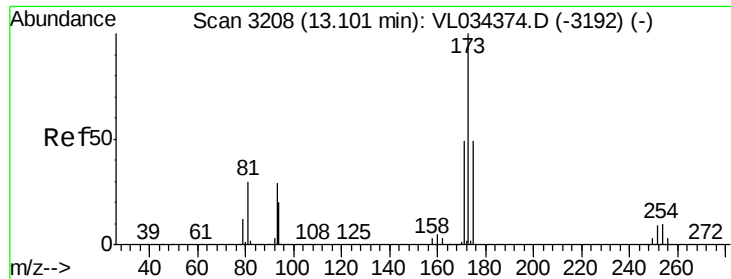
Tgt Ion: 129 Resp: 1536628

Ion Ratio Lower Upper

129 100

127 78.2 39.1 117.5





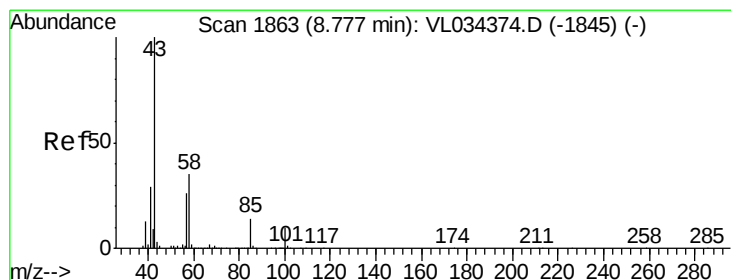
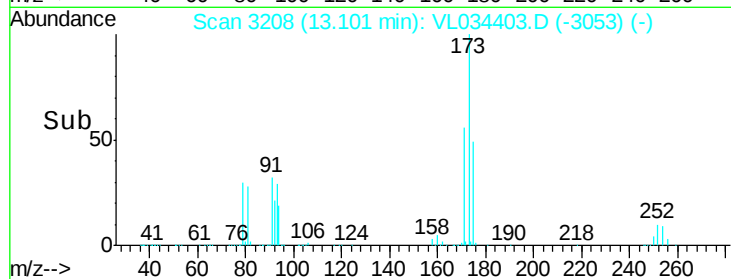
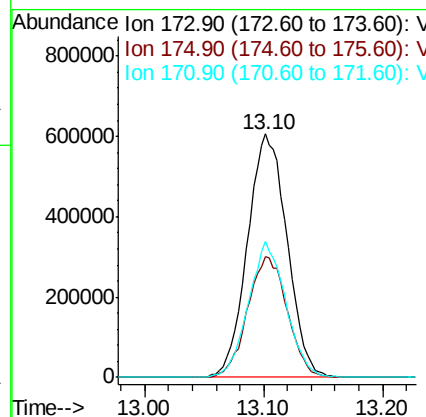
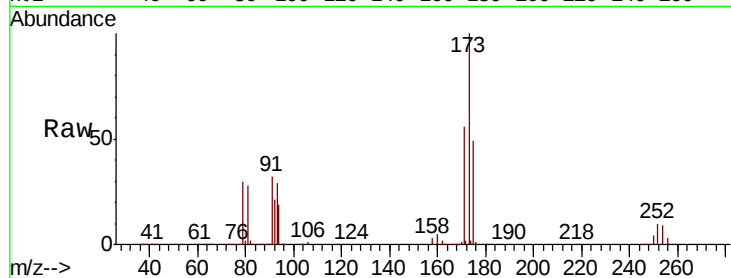
#49
Bromoform
Concen: 10.797 ppbv
RT: 13.10 min Scan# 3208
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	39.3	58.9
171	52.9	42.4	63.6

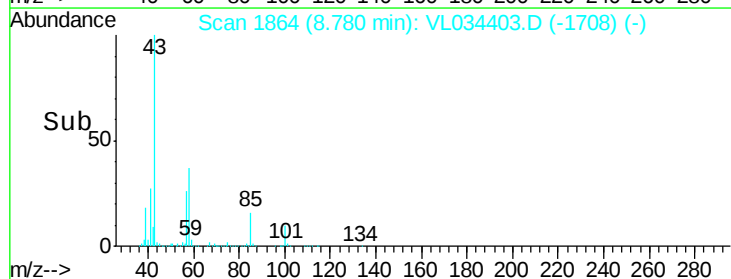
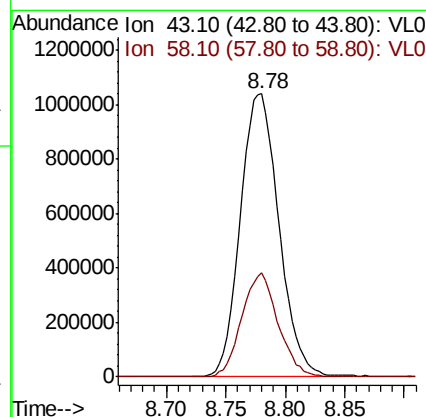
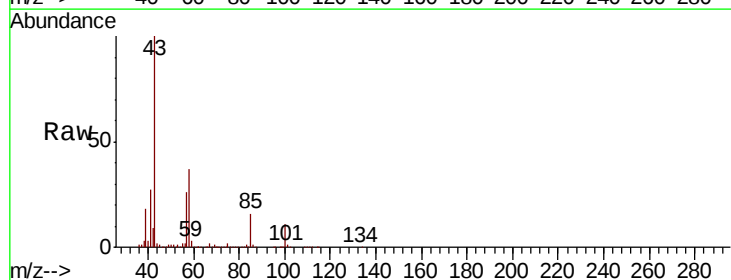
Manual Integrations
APPROVED

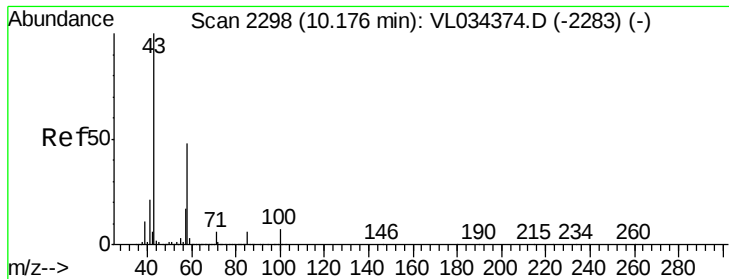
apatel
12/2/2019 9:19:38 AM



#50
4-Methyl-2-Pentanone
Concen: 9.997 ppbv
RT: 8.78 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.9	41.9





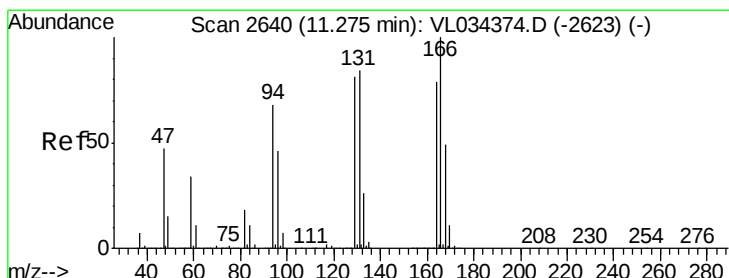
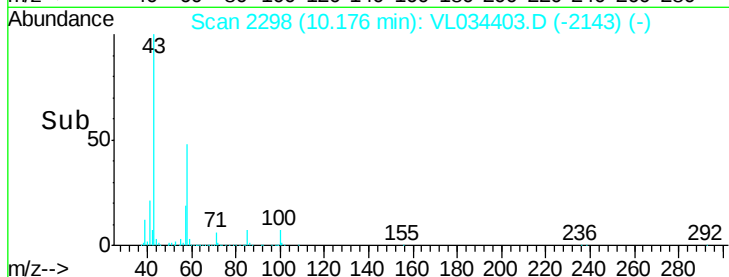
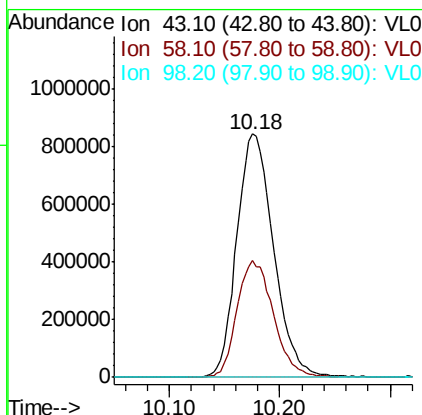
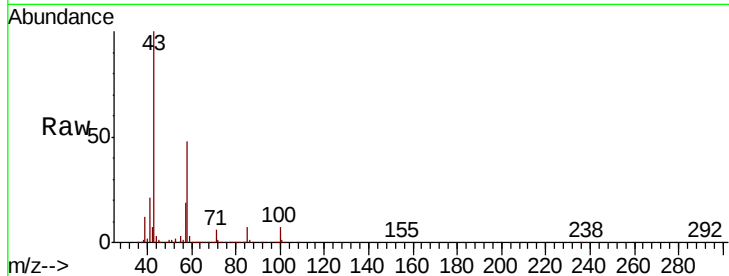
#51
2-Hexanone
Concen: 10.021 ppbv
RT: 10.18 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion: 43 Resp: 1961443
Ion Ratio Lower Upper
43 100
58 47.4 38.2 57.4
98 0.1 0.2 0.2#

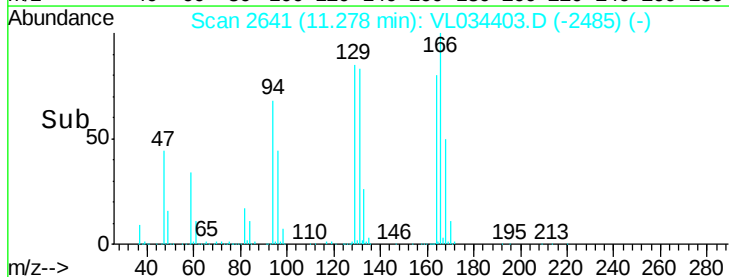
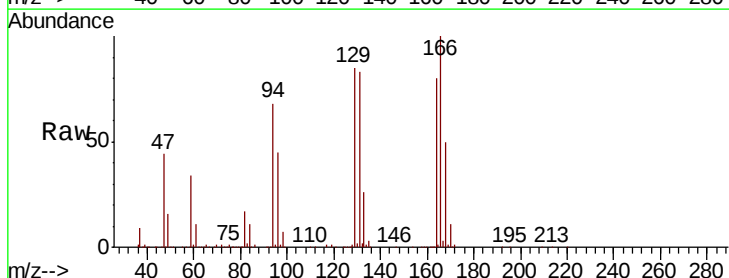
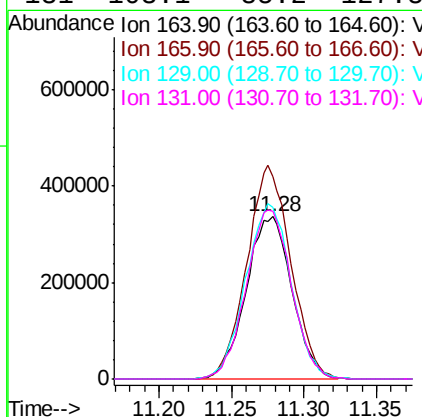
Manual Integrations
APPROVED

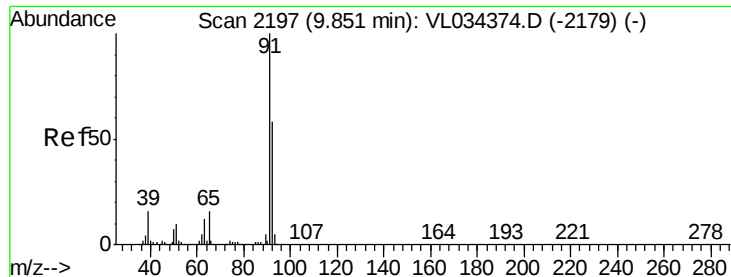
apatel
12/2/2019 9:19:38 AM



#52
Tetrachloroethene
Concen: 8.750 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion:164 Resp: 742559
Ion Ratio Lower Upper
164 100
166 124.7 101.7 152.5
129 105.4 82.6 123.8
131 103.1 85.2 127.8





#53

Toluene

Concen: 10.123 ppbv

RT: 9.85 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VL1125ABS01

Tot Ion: 91 Resp: 2255449

Ion Ratio Lower Upper

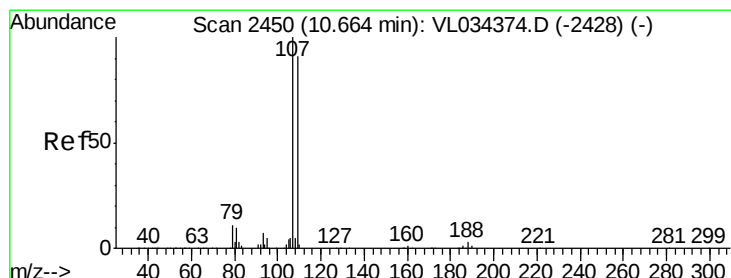
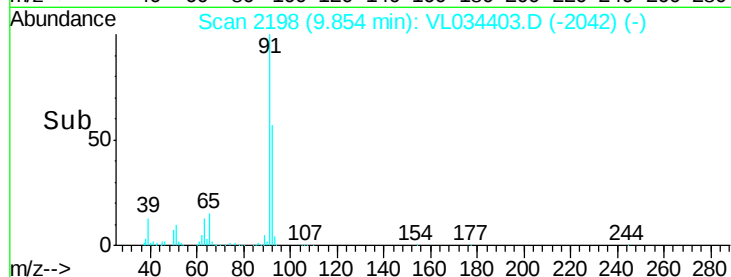
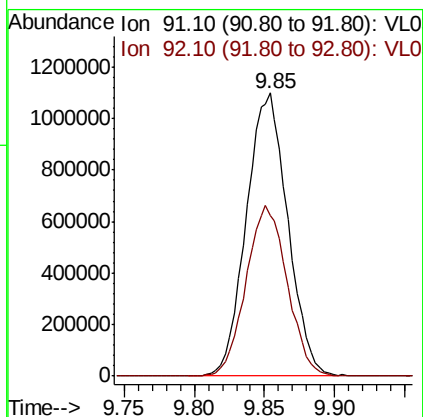
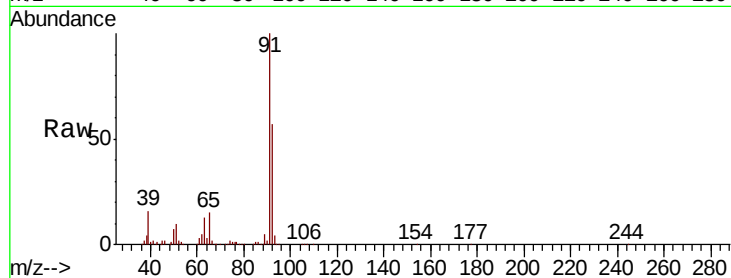
91 100

92 59.9 47.9 71.9

Manual Integrations
APPROVED

apatel

12/2/2019 9:19:38 AM



#54

1,2-Dibromoethane

Concen: 9.845 ppbv

RT: 10.66 min Scan# 2449

Delta R.T. -0.00 min

Lab File: VL034403.D

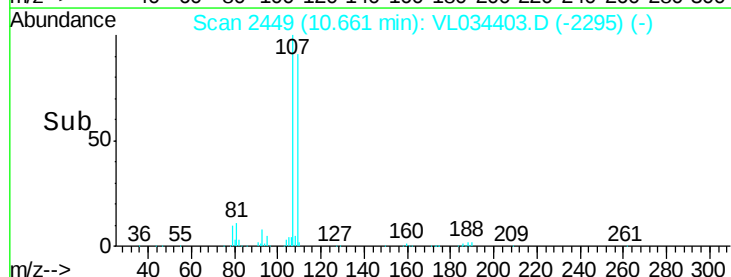
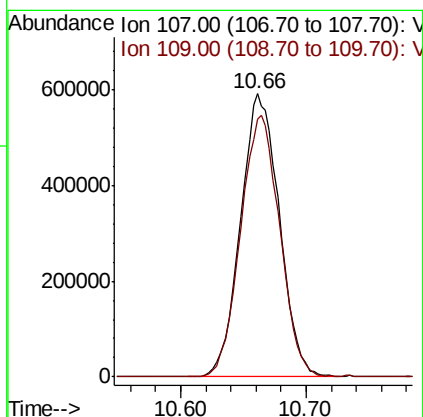
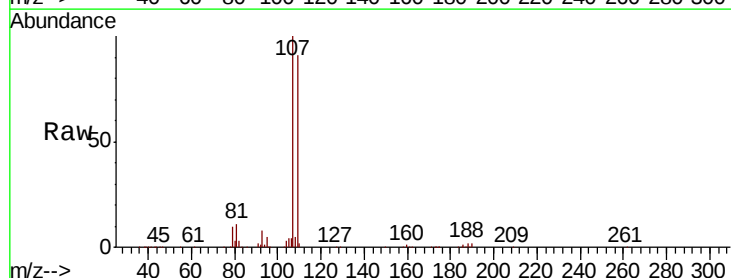
Acq: 25 Nov 2019 12:25

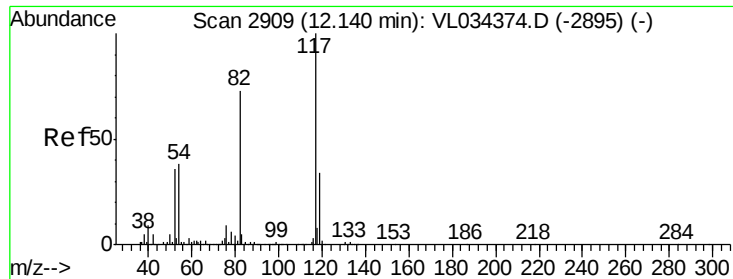
Tgt Ion: 107 Resp: 1268747

Ion Ratio Lower Upper

107 100

109 91.1 73.0 109.4





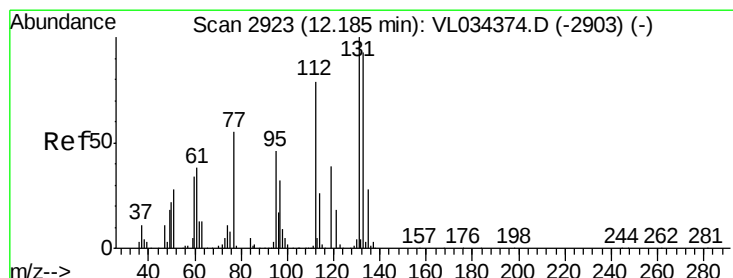
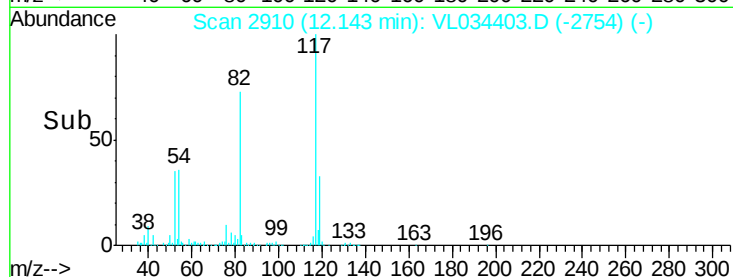
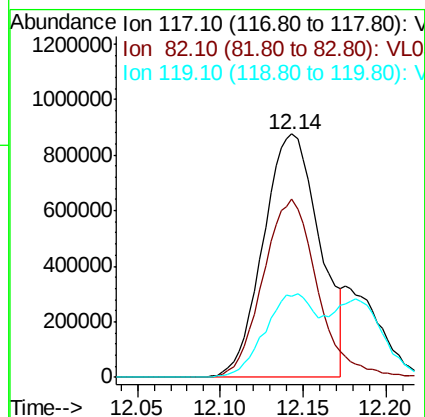
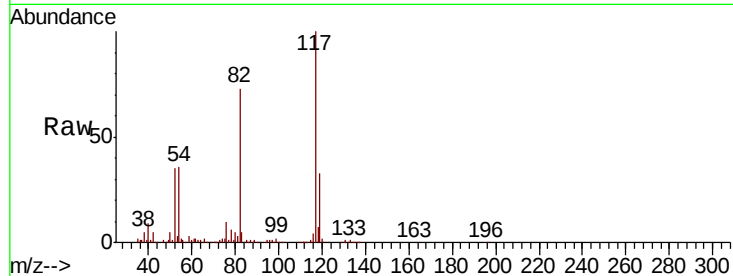
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.9	57.5	86.3
119	30.0	25.4	38.2

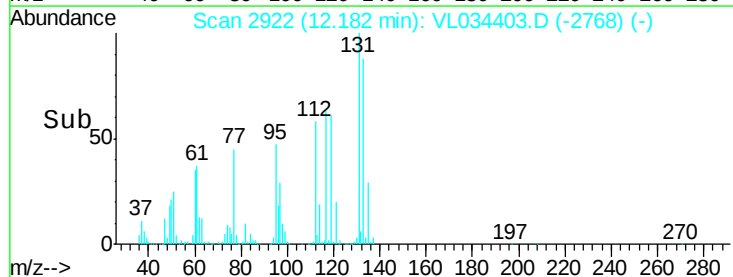
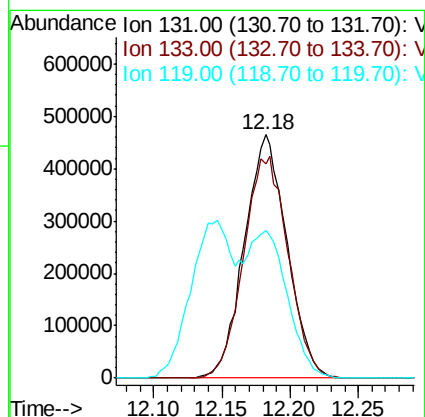
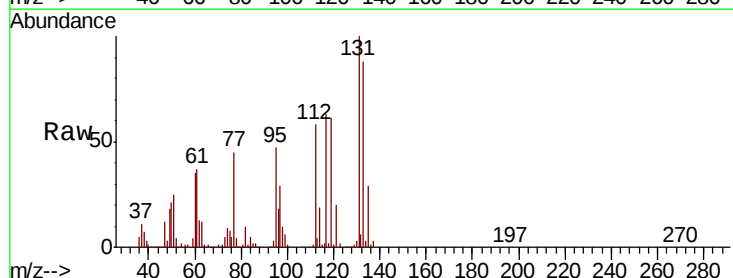
Manual Integrations
APPROVED

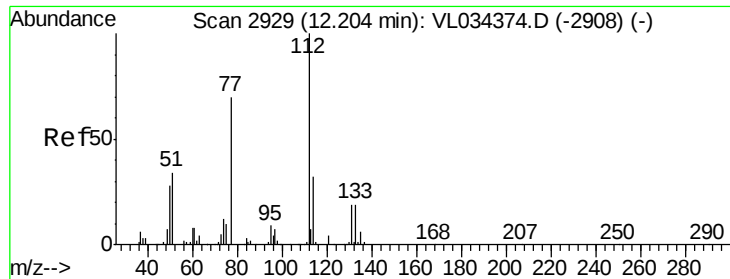
apatel
12/2/2019 9:19:38 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.915 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.2	114.2
119	63.1	44.6	67.0





#57

Chlorobenzene

Concen: 9.164 ppbv

RT: 12.20 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

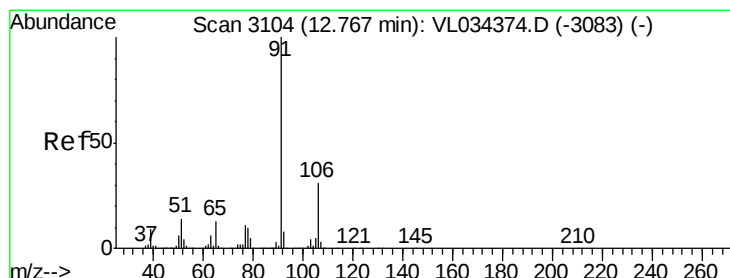
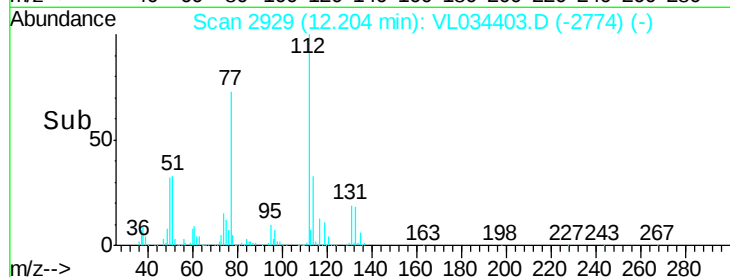
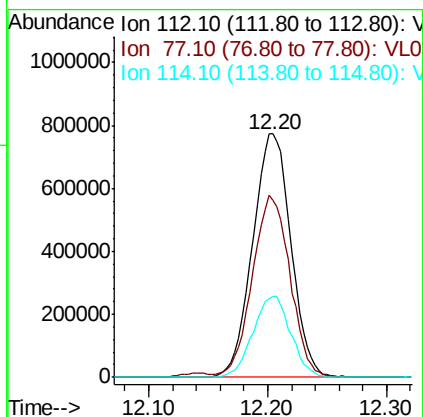
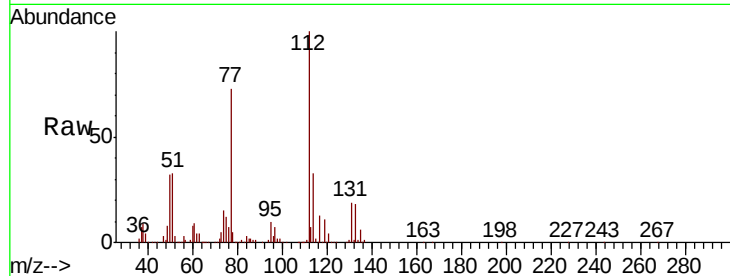
ClientSampleId :

VL1125ABS01

Tot Ion:	112	Resp:	1721121
Ion	Ratio	Lower	Upper
112	100		
77	72.3	57.1	85.7
114	33.2	28.5	34.9

Manual Integrations
APPROVED

apatel
12/2/2019 9:19:38 AM



#58

Ethyl Benzene

Concen: 9.668 ppbv

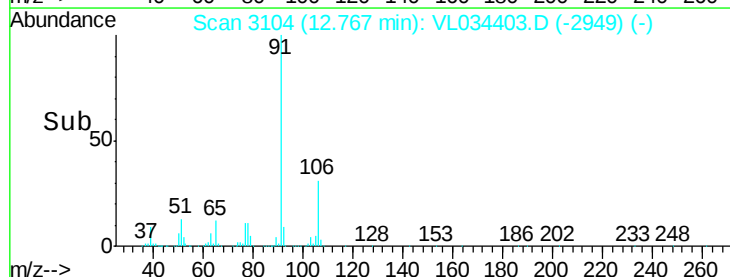
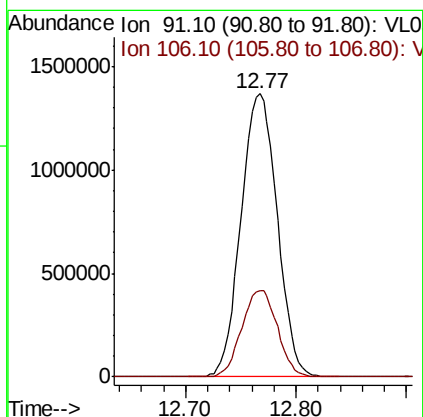
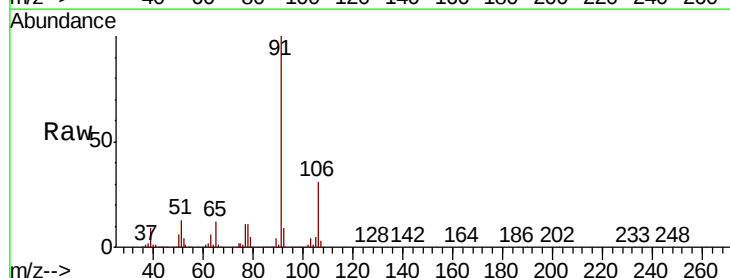
RT: 12.77 min Scan# 3104

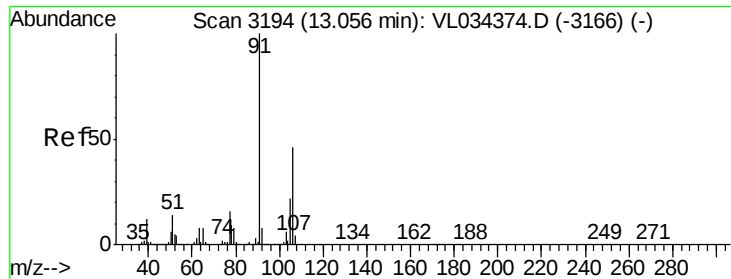
Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Tgt Ion:	91	Resp:	3117250
Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.8	37.2





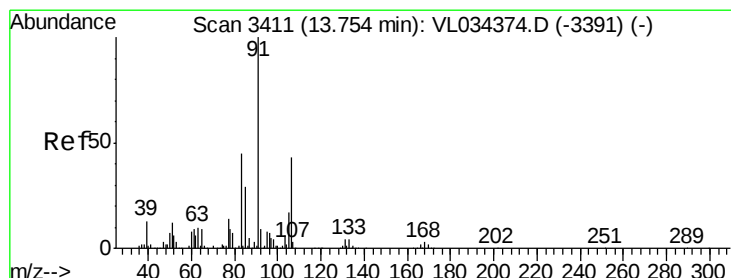
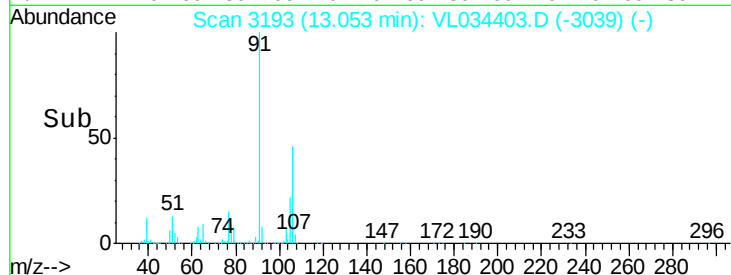
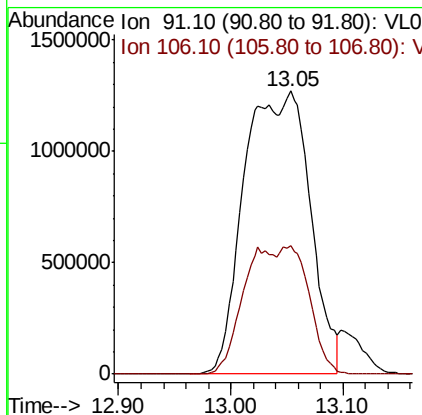
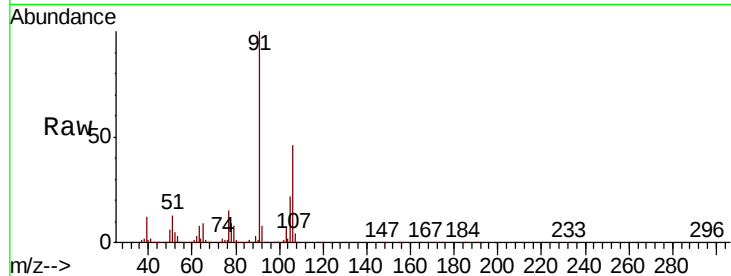
#59
m/p-Xylene
Concen: 18.542 ppbv m
RT: 13.05 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampled :
VL1125ABS01

Tot Ion: 91 Resp: 5167937
Ion Ratio Lower Upper
91 100
106 43.9 34.6 51.8

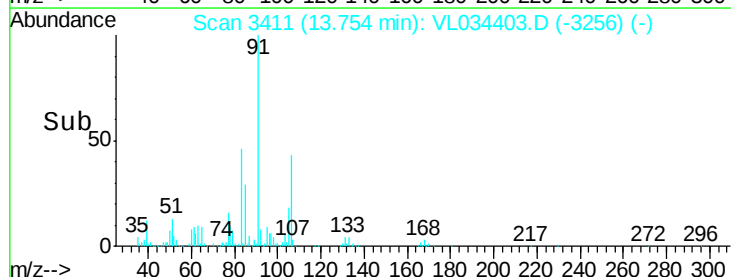
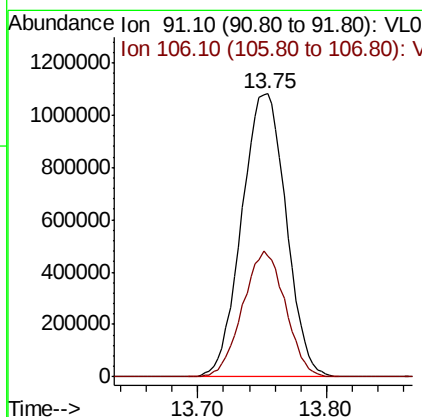
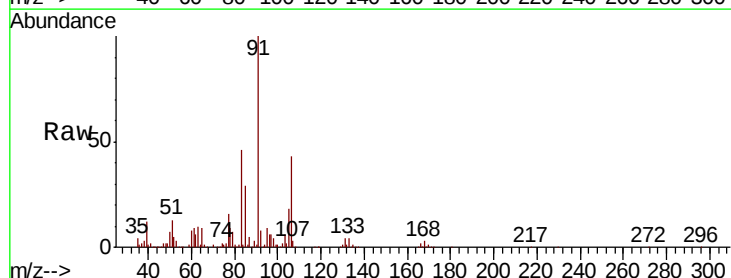
Manual Integrations
APPROVED

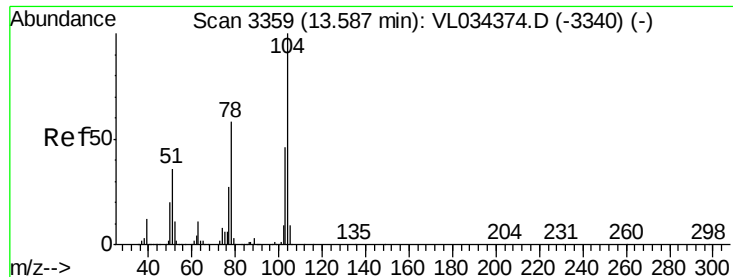
apatel
12/2/2019 9:19:38 AM



#60
o-Xylene
Concen: 9.375 ppbv
RT: 13.75 min Scan# 3411
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 91 Resp: 2583579
Ion Ratio Lower Upper
91 100
106 42.9 21.3 64.0





#61

Stvrene

Concen: 9.797 ppbv

RT: 13.59 min Scan# 3359

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

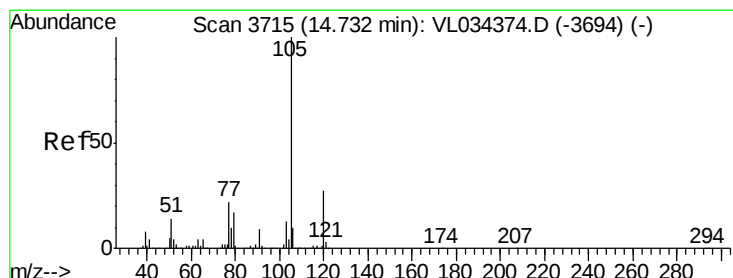
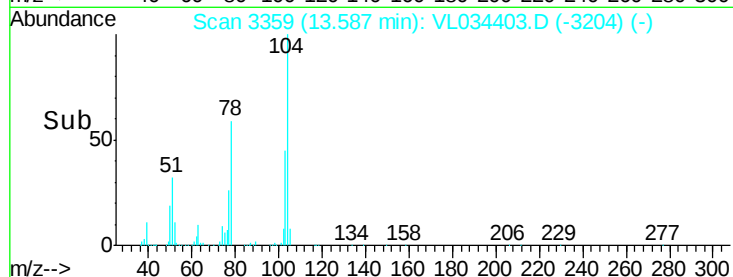
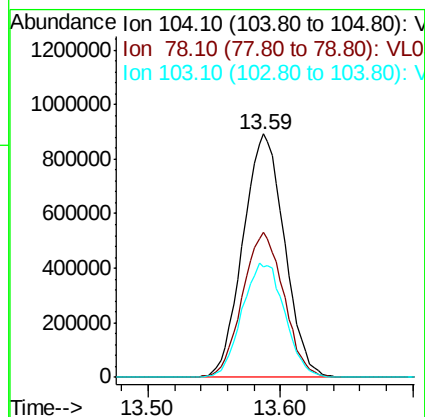
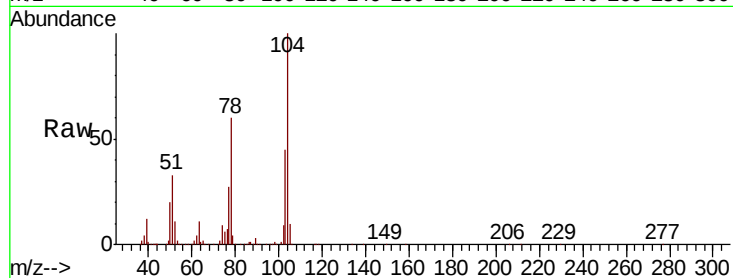
ClientSampleId :

VL1125ABS01

Tot Ion:	104	Resp:	1946914
Ion	Ratio	Lower	Upper
104	100		
78	59.3	47.6	71.4
103	48.0	38.6	57.8

Manual Integrations
APPROVED

apatel
12/2/2019 9:19:38 AM



#62

Isopropylbenzene

Concen: 9.297 ppbv

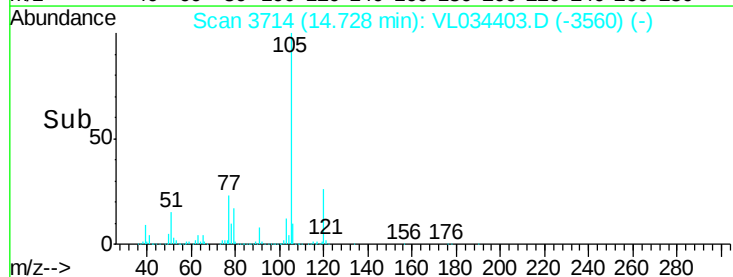
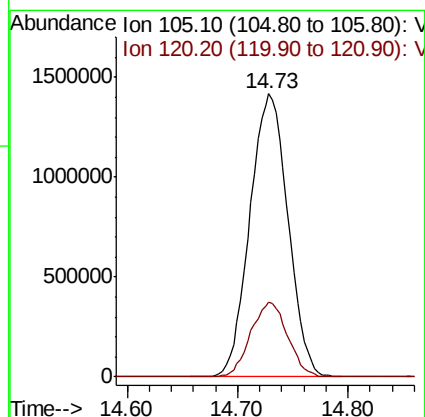
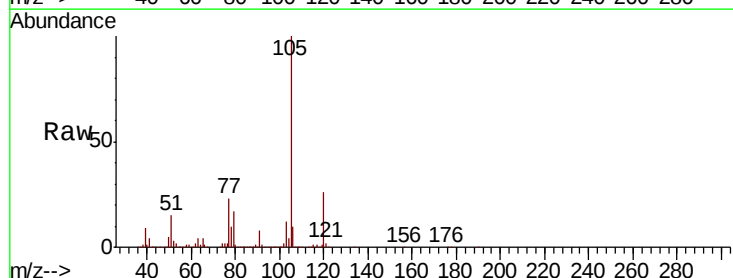
RT: 14.73 min Scan# 3714

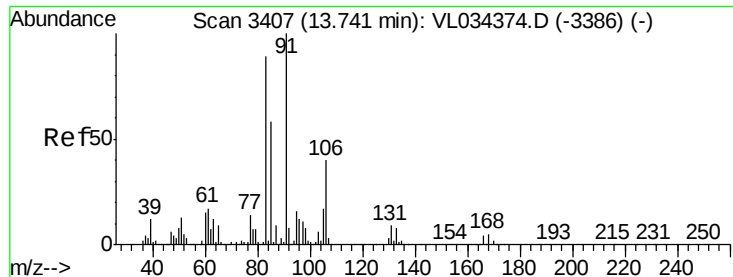
Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Tgt Ion:	105	Resp:	3388506
Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.2	30.4





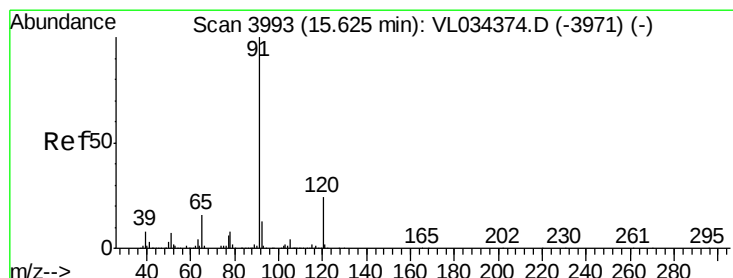
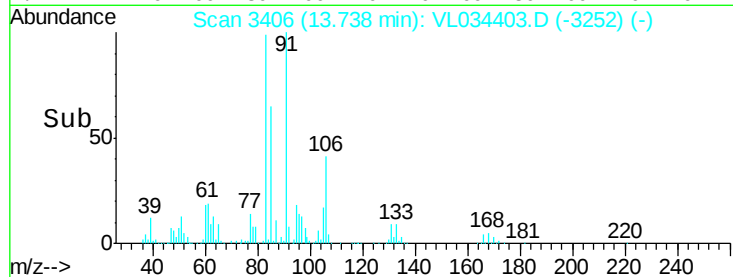
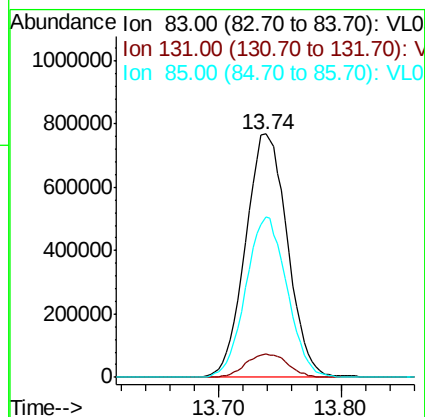
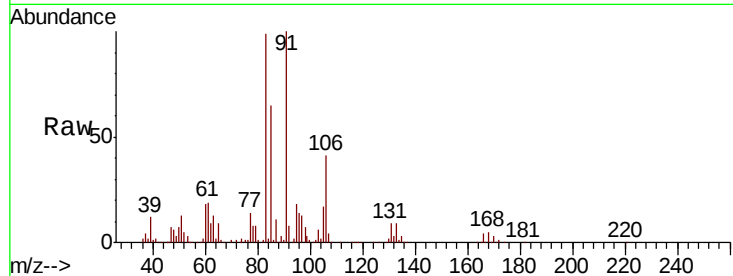
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.790 ppbv
 RT: 13.74 min Scan# 3406
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1125ABS01

Tot Ion	83	Resp	1820697
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	4.9	14.7
85	65.1	32.6	97.8

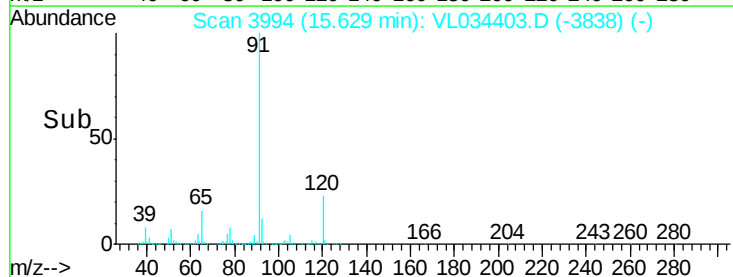
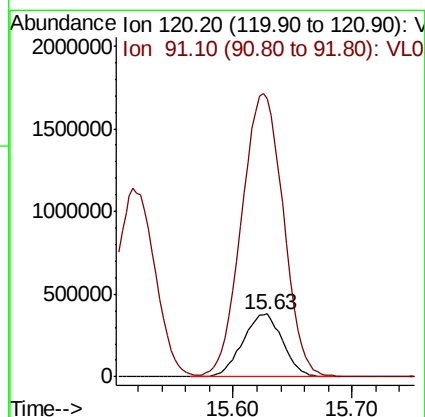
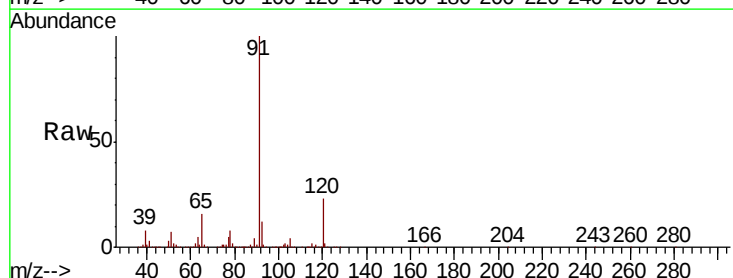
Manual Integrations
 APPROVED

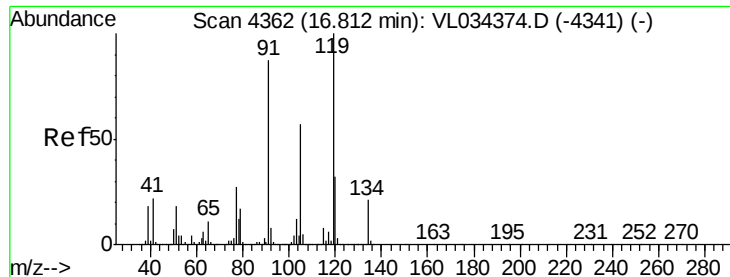
apatel
 12/2/2019 9:19:38 AM



#64
 n-propylbenzene
 Concen: 9.392 ppbv
 RT: 15.63 min Scan# 3994
 Delta R.T. 0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion	120	Resp	888919
Ion Ratio	100	Lower	Upper
120	100		
91	466.9	370.9	556.3





#65

tert-Butylbenzene

Concen: 9.172 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampled :

VL1125ABS01

Tot Ion:119 Resp: 3002785

Ion Ratio Lower Upper

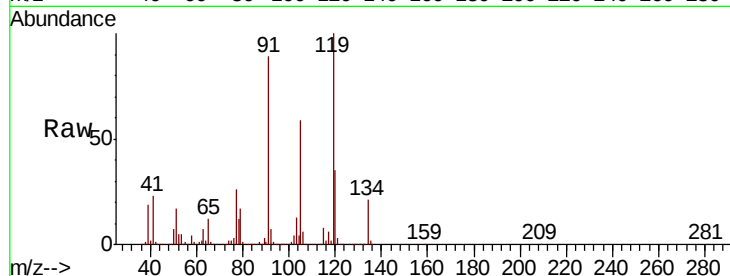
119 100

91 89.3 71.6 107.4

134 19.9 15.9 23.9

Manual Integrations
APPROVED

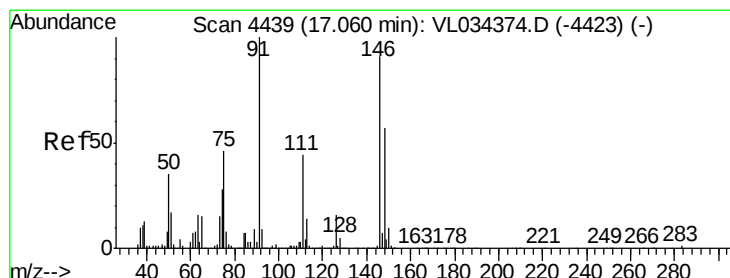
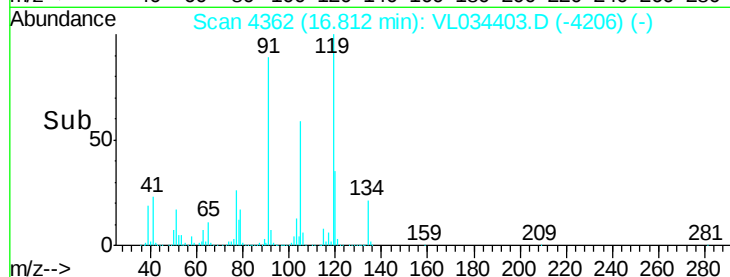
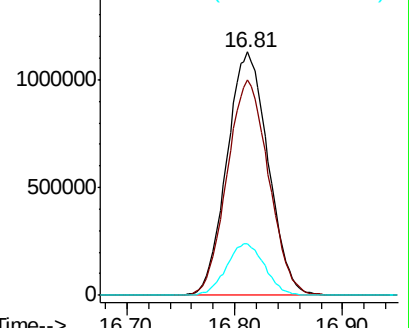
apatel
12/2/2019 9:19:38 AM



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: 11.982 ppbv

RT: 17.06 min Scan# 4439

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

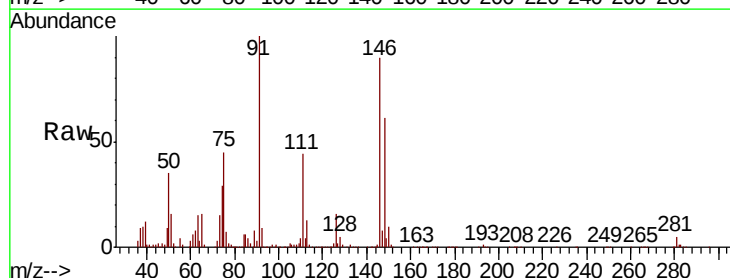
Tgt Ion: 91 Resp: 1509020

Ion Ratio Lower Upper

91 100

126 16.1 12.9 19.3

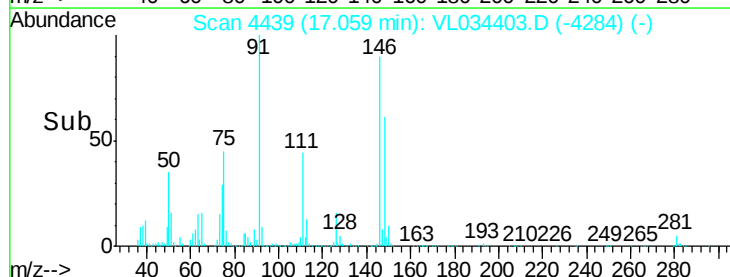
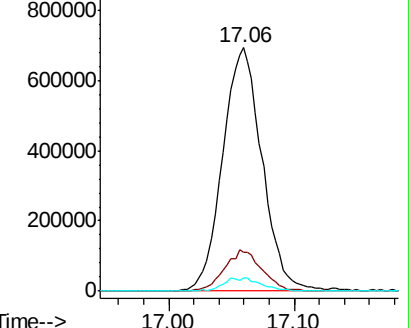
128 5.2 4.3 6.5

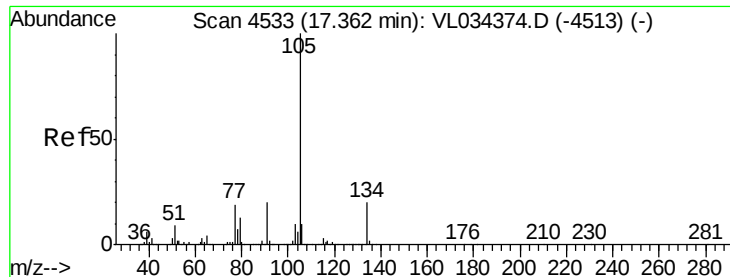


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





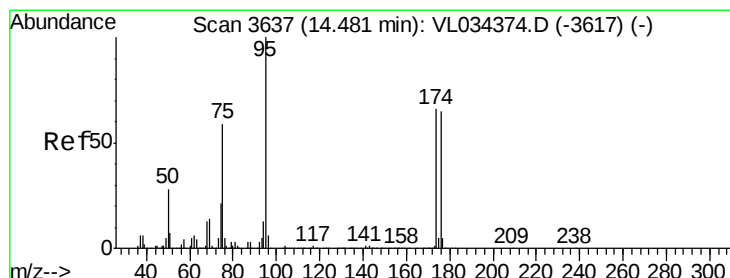
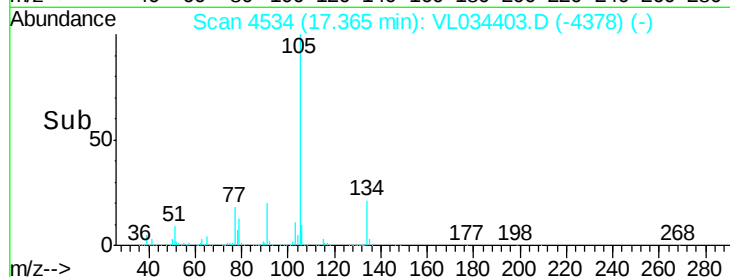
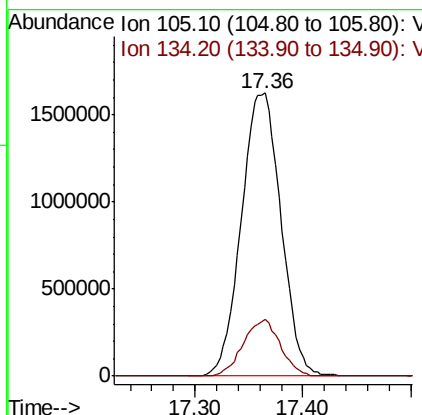
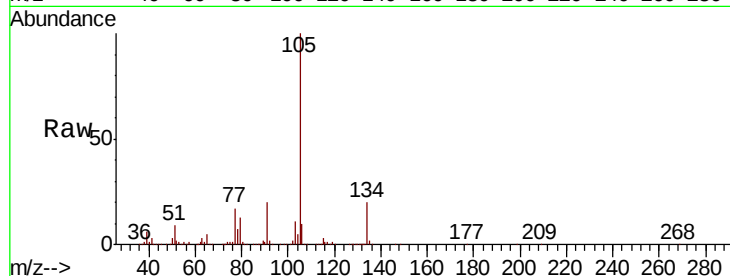
#67
 sec-Butylbenzene
 Concen: 9.044 ppbv
 RT: 17.36 min Scan# 4534
 Delta R.T. 0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1125ABS01

Tot Ion: 105 Resp: 4141528
 Ion Ratio Lower Upper
 105 100
 134 18.7 15.0 22.6

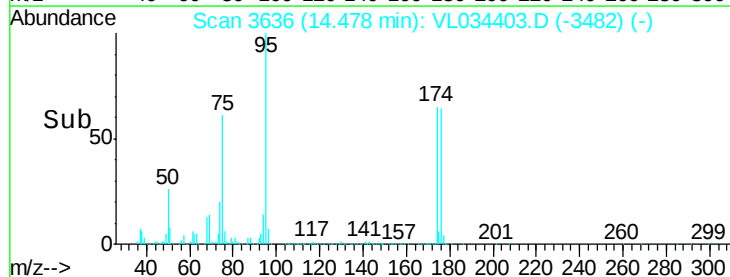
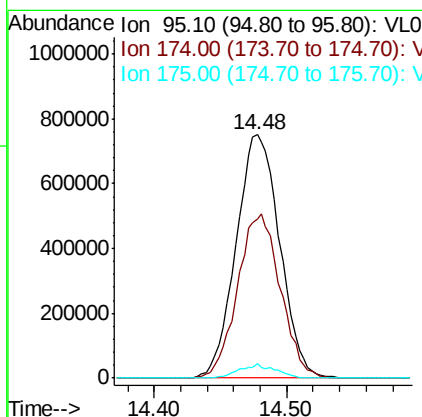
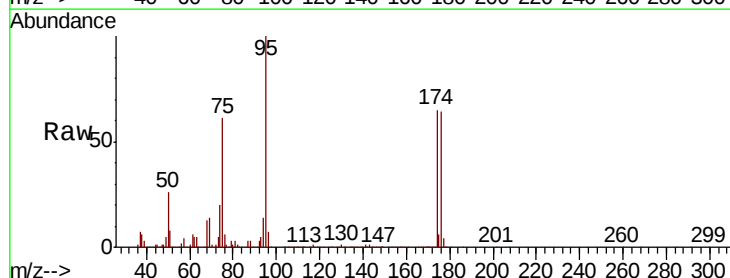
Manual Integrations
 APPROVED

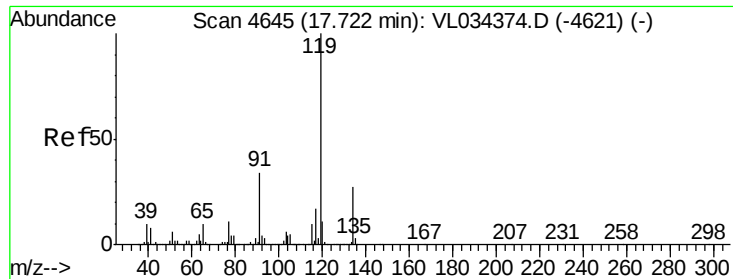
apatel
 12/2/2019 9:19:38 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.773 ppbv
 RT: 14.48 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion: 95 Resp: 1708256
 Ion Ratio Lower Upper
 95 100
 174 66.6 52.2 78.2
 175 4.9 3.8 5.8





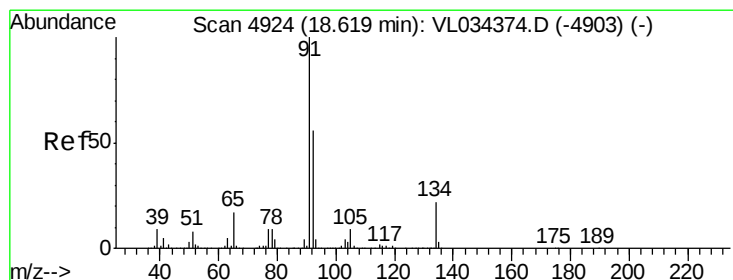
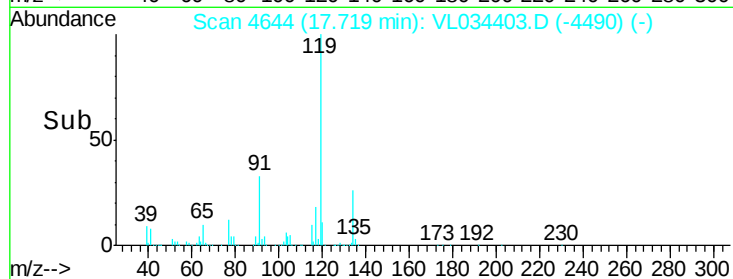
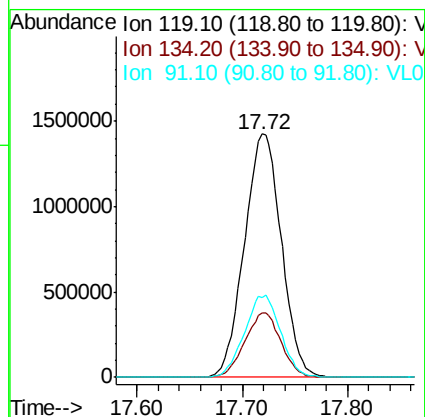
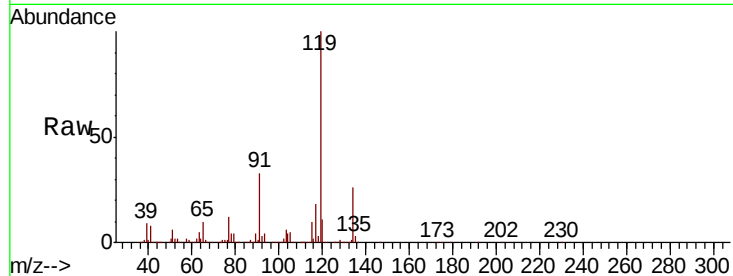
#69
p-Isopropyltoluene
Concen: 9.141 ppbv
RT: 17.72 min Scan# 4644
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

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

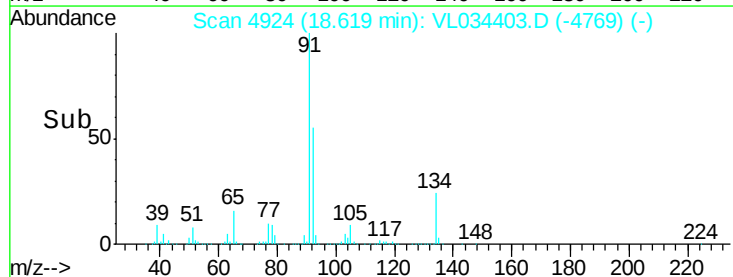
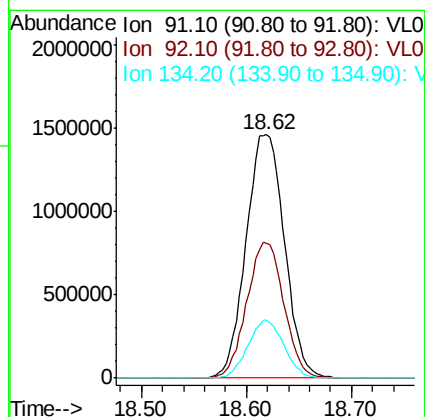
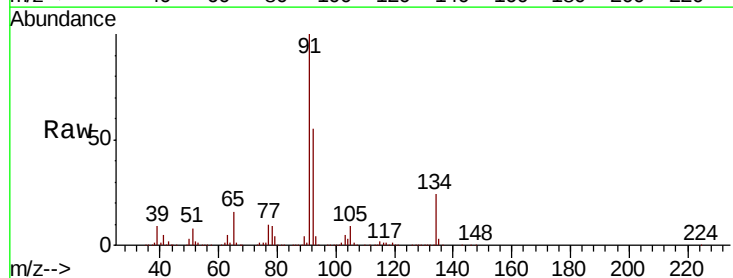
Manual Integrations
APPROVED

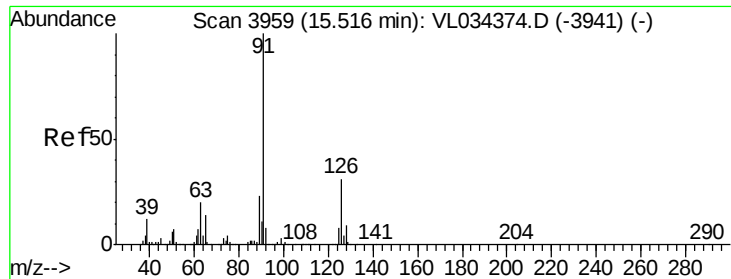
apatel
12/2/2019 9:19:38 AM



#70
n-Butylbenzene
Concen: 9.084 ppbv m
RT: 18.62 min Scan# 4924
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.8	65.6#
134	22.4	17.9	26.9





#71

2-Chlorotoluene

Concen: 9.219 ppbv

RT: 15.52 min Scan# 3959

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VL1125ABS01

Tot Ion: 91 Resp: 2679121

Ion Ratio Lower Upper

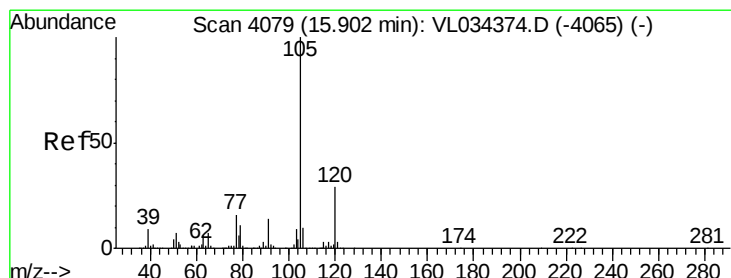
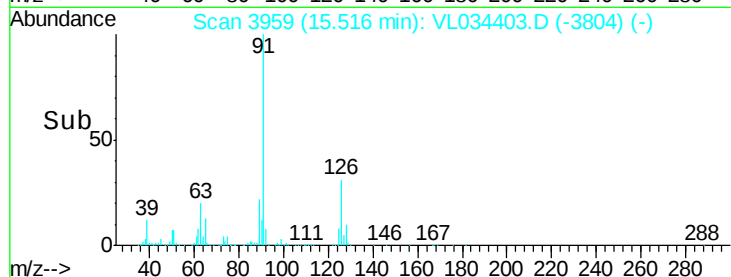
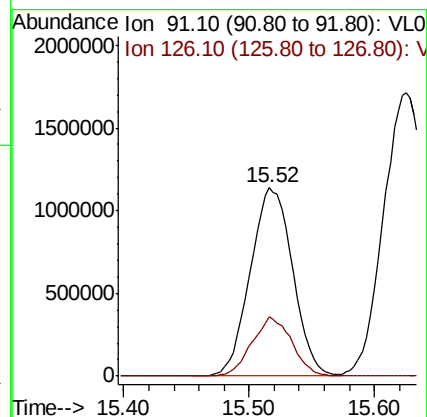
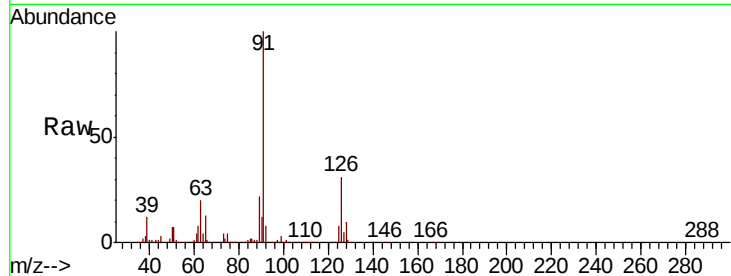
91 100

126 29.6 11.8 47.4

Manual Integrations
APPROVED

apatel

12/2/2019 9:19:38 AM



#72

4-Ethyltoluene

Concen: 9.452 ppbv

RT: 15.90 min Scan# 4079

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Tgt Ion: 105 Resp: 3009643

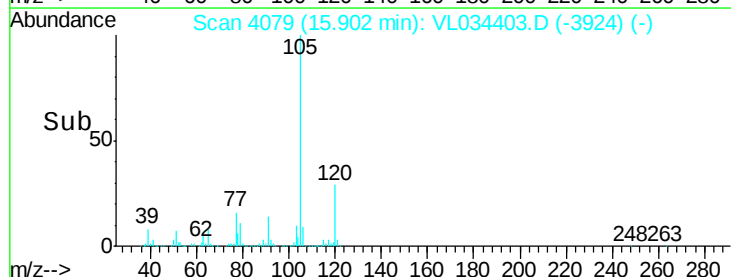
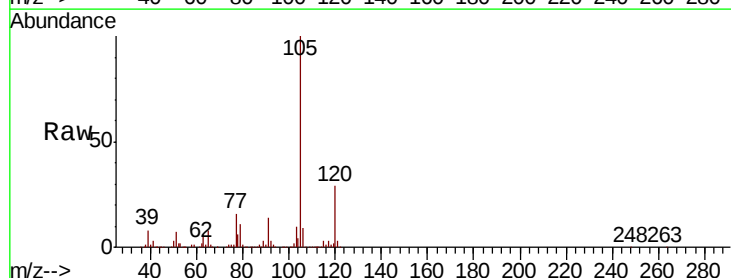
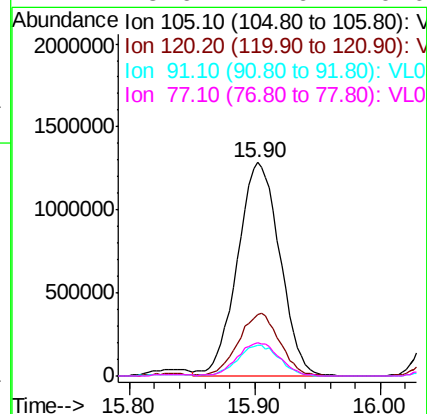
Ion Ratio Lower Upper

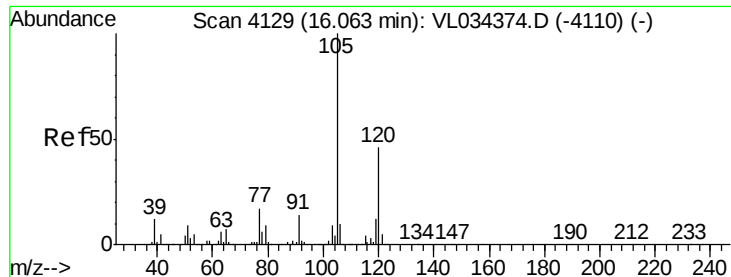
105 100

120 28.6 23.5 35.3

91 14.3 11.4 17.0

77 15.6 12.6 19.0





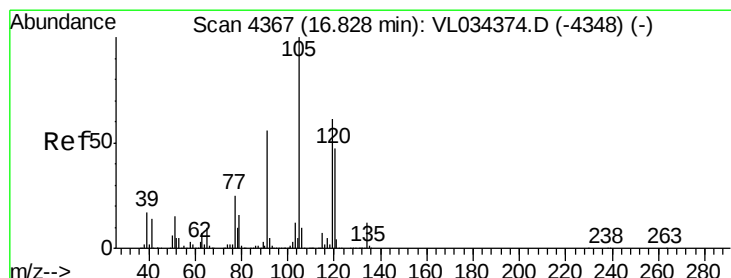
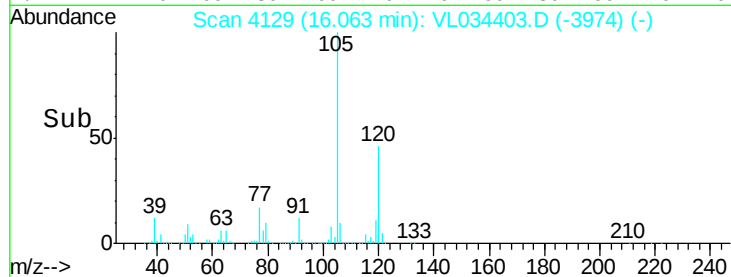
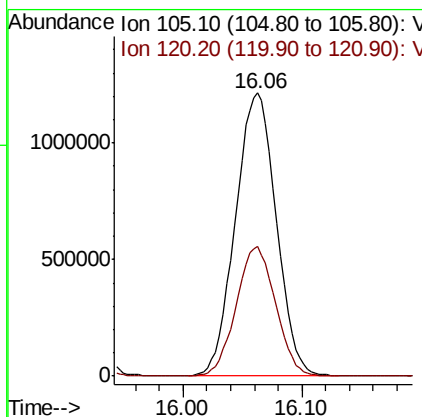
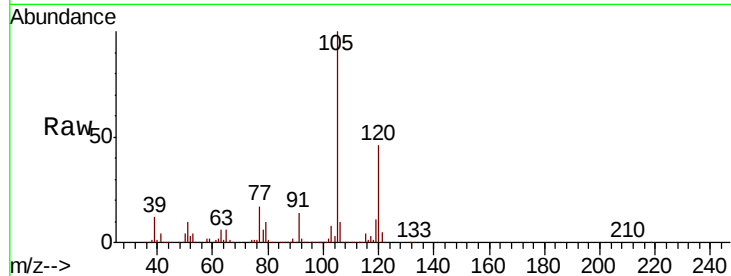
#73
 1,3,5-Trimethylbenzene
 Concen: 9.194 ppbv
 RT: 16.06 min Scan# 4129
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Instrument :
 MSVOA_L
 ClientSampled :
 VL1125ABS01

Tot Ion:105 Resp: 2865550
 Ion Ratio Lower Upper
 105 100
 120 45.9 37.1 55.7

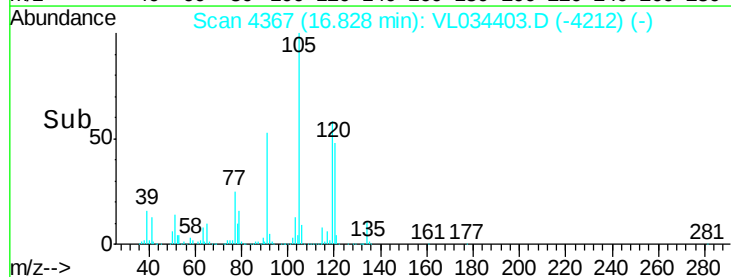
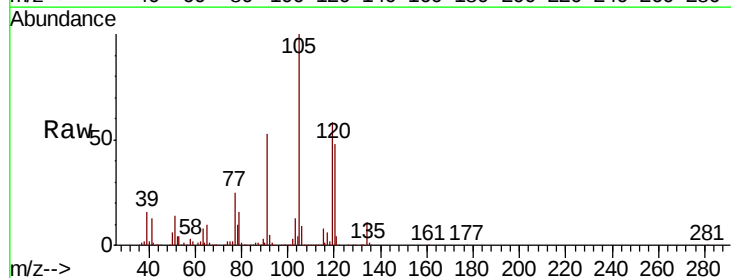
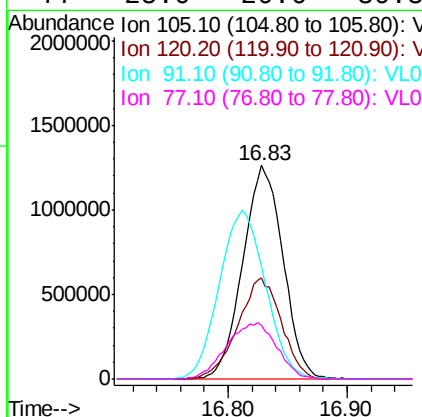
Manual Integrations
 APPROVED

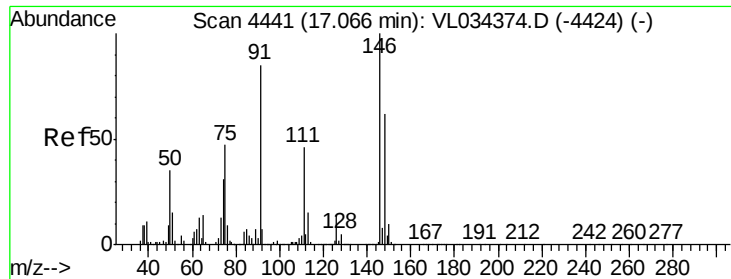
apatel
 12/2/2019 9:19:38 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.914 ppbv
 RT: 16.83 min Scan# 4367
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion:105 Resp: 2951420
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.4 56.0
 91 52.6 46.3 69.5
 77 25.0 20.6 30.8





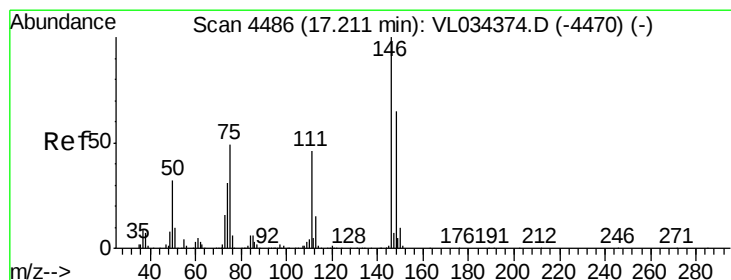
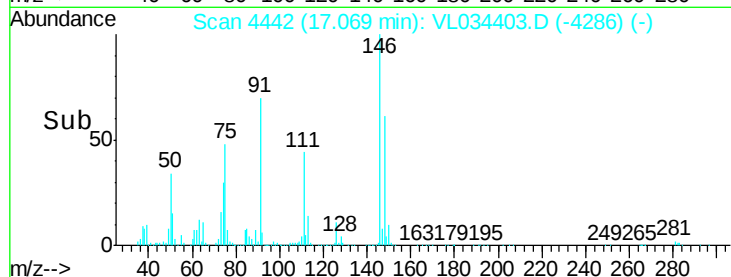
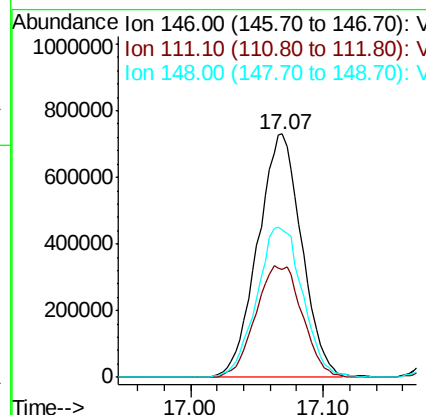
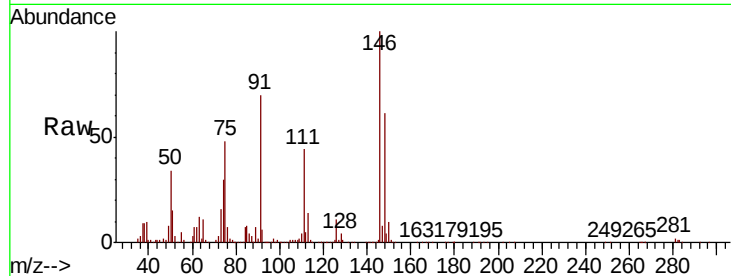
#75
 1,3-Dichlorobenzene
 Concen: 8.864 ppbv
 RT: 17.07 min Scan# 4442
 Delta R.T. 0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1125ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.4	73.4
148	64.5	32.4	97.0

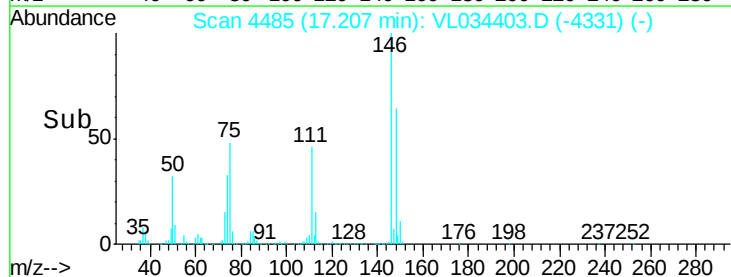
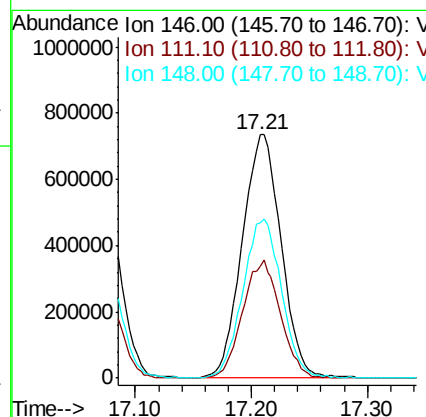
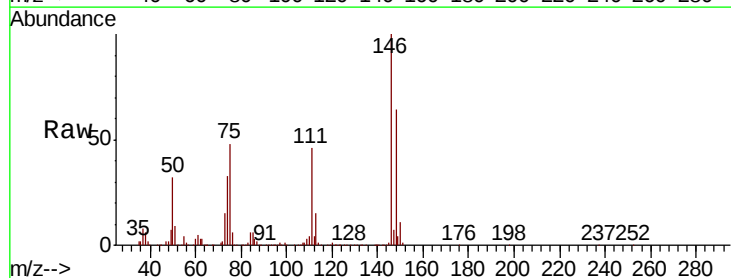
Manual Integrations
 APPROVED

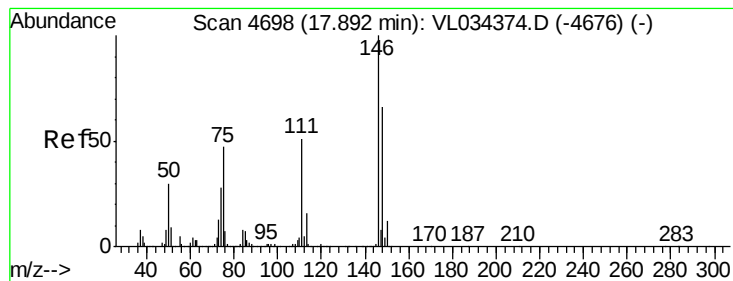
apatel
 12/2/2019 9:19:38 AM



#76
 1,4-Dichlorobenzene
 Concen: 9.203 ppbv
 RT: 17.21 min Scan# 4485
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	24.1	72.3
148	65.9	32.9	98.6





#77

1,2-Dichlorobenzene

Concen: 8.950 ppbv

RT: 17.89 min Scan# 4697

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VL1125ABS01

Tot Ion:146 Resp: 1645135

Ion Ratio Lower Upper

146 100

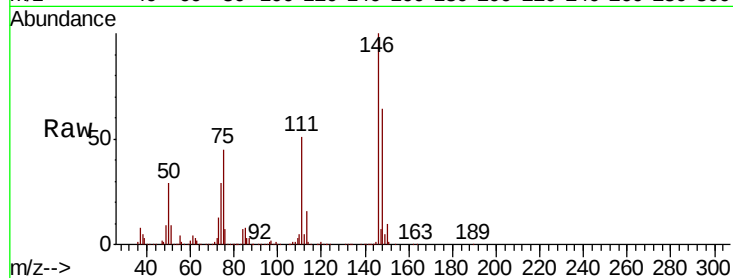
111 50.4 25.0 75.0

148 64.5 32.7 98.1

Manual Integrations
APPROVED

apatel

12/2/2019 9:19:38 AM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

17.89

800000

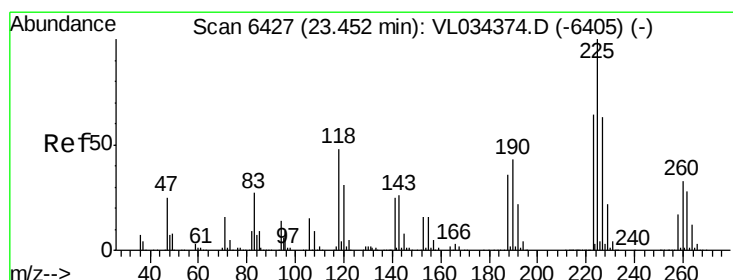
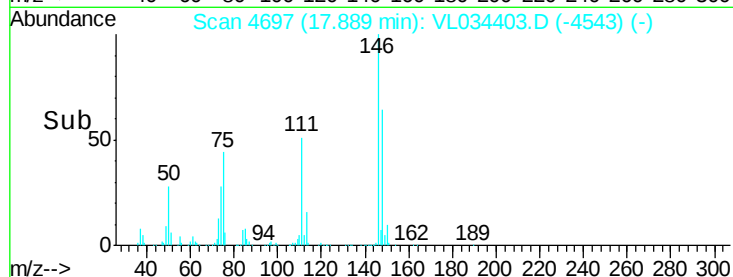
600000

400000

200000

0

Time-->



#78

Hexachloro-1,3-Butadiene

Concen: 9.067 ppbv

RT: 23.45 min Scan# 6426

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

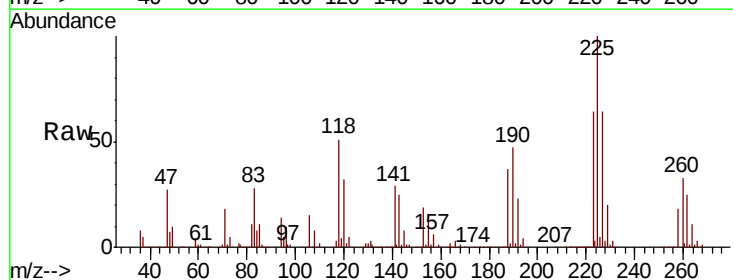
Tgt Ion:225 Resp: 1431958

Ion Ratio Lower Upper

225 100

223 63.1 50.2 75.2

227 64.0 51.5 77.3



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

23.45

800000

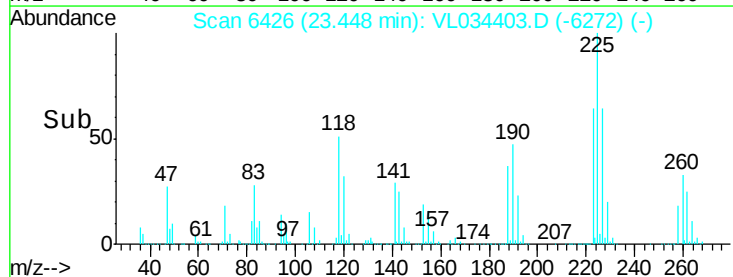
600000

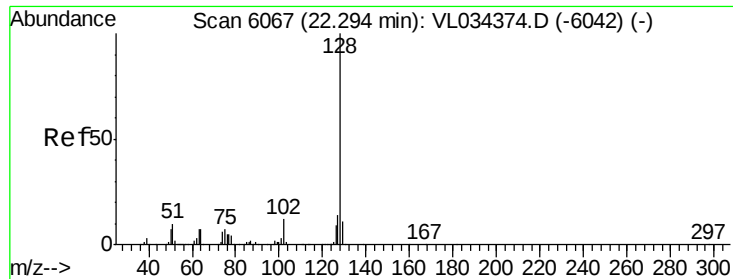
400000

200000

0

Time-->





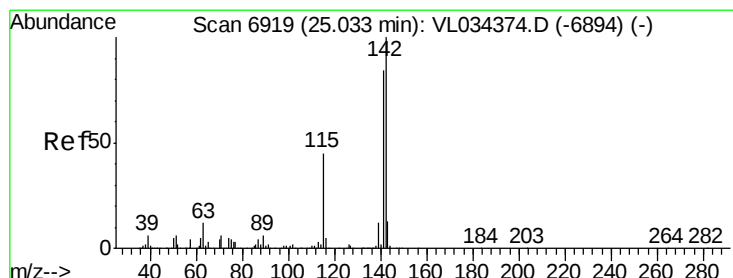
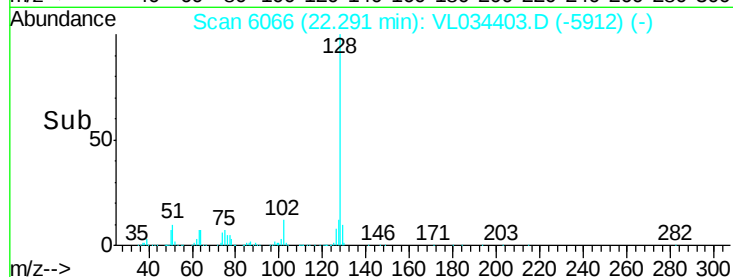
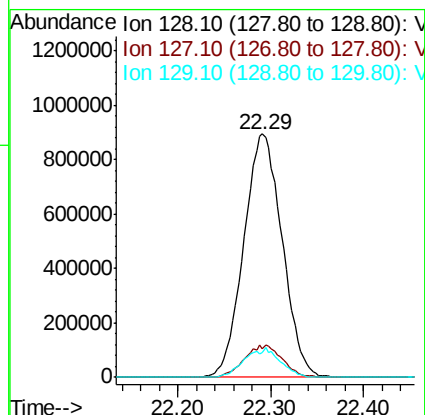
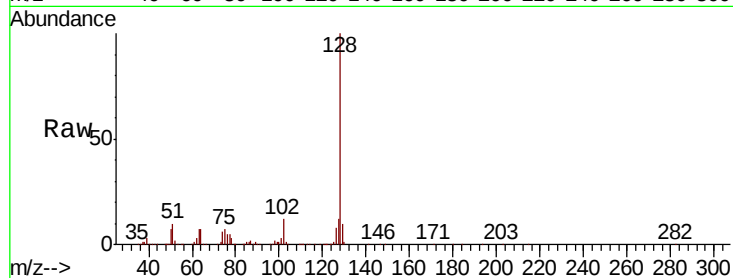
#79
Naphthalene
Concen: 8.989 ppbv
RT: 22.29 min Scan# 6066
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VL1125ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	11.0	16.6
129	10.4	8.9	13.3

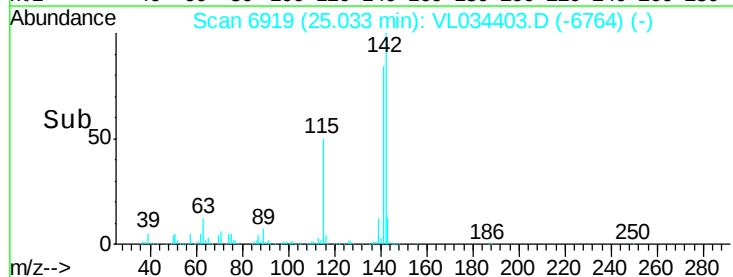
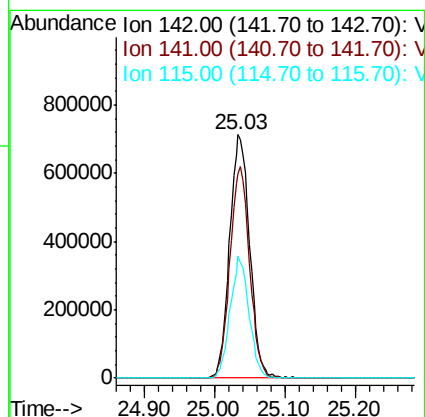
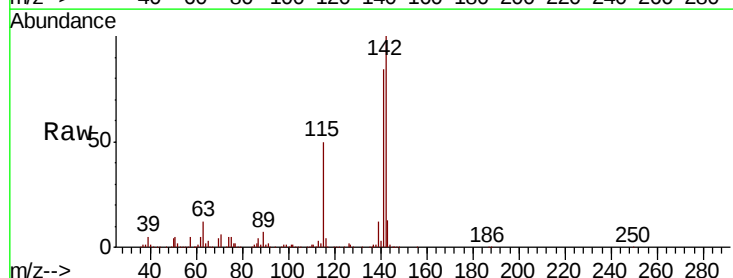
Manual Integrations
APPROVED

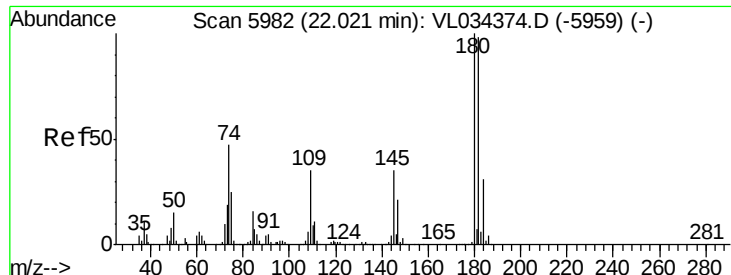
apatel
12/2/2019 9:19:38 AM



#80
Naphthalene, 2-methyl-
Concen: 10.972 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.0	67.1	100.7
115	47.4	36.6	54.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.810 ppbv
 RT: 22.02 min Scan# 5981
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1125ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.8	115.2
184	31.3	24.9	37.3

Manual Integrations
 APPROVED

apatel
 12/2/2019 9:19:38 AM

