

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033282.D
 Acq On : 12 Mar 2019 13:09
 Operator : SY/AP
 Sample : VL0312ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:05:58 AM

Quant Time: Mar 13 17:44:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 14 07:17:55 2019
 QLast Update : Wed Mar 13 07:17:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	880610	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2025081	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2160503m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1658823	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1557602	8.758	ppbv	100
3) Chlorodifluoromethane	3.01	51	986182	8.443	ppbv	100
4) Chloromethane	3.17	50	520482	8.334	ppbv	96
5) Vinyl Chloride	3.29	62	516046	8.462	ppbv	100
6) Bromomethane	3.52	94	314241	8.435	ppbv	95
7) Chloroethane	3.60	64	275112	12.474	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1260461	8.384	ppbv	100
9) Propene	3.04	41	431034	8.095	ppbv	98
10) Heptane	8.25	43	1149539	9.584	ppbv	100
11) Trichlorofluoromethane	4.00	101	1420136	8.068	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	965056	9.579	ppbv	99
13) Ethanol	3.65	45	119473	7.354	ppbv	94
14) Bromoethene	3.79	108	409127	8.707	ppbv	99
15) Acetone	3.90	43	1013072	7.499	ppbv	100
16) 1,3-Butadiene	3.36	39	440662	9.034	ppbv	95
17) tert-Butyl alcohol	4.36	59	159606	8.804	ppbv	97
18) 1,1-Dichloroethene	4.35	96	428067	9.599	ppbv	92
19) Isopropyl Alcohol	4.02	45	520477	6.375	ppbv #	99
20) Methylene Chloride	4.41	84	367024	8.172	ppbv	99
21) Allyl Chloride	4.48	41	664712	9.898	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	424655	8.929	ppbv	99
23) Vinyl Acetate	5.16	43	1595921	9.429	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1088725	8.870	ppbv	99
25) Ethyl Acetate	5.77	43	1893222	9.095	ppbv	100
26) Hexane	5.78	57	843266	8.631	ppbv	98
27) Carbon Disulfide	4.62	76	1083199	10.449	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1278239	9.219	ppbv	100
29) Chloroform	5.85	83	1358269	9.138	ppbv	99
30) Cyclohexane	7.25	84	716683	9.461	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	902289	9.633	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	1374248	9.488	ppbv	100
34) 2-Butanone	5.33	43	1229777	9.184	ppbv	100
35) Carbon Tetrachloride	7.14	117	1452359	9.816	ppbv	99
36) Benzene	7.01	78	1804528	9.662	ppbv	97
37) 1,2-Dichloroethane	6.42	62	1081046	9.651	ppbv	100
38) Trichloroethene	7.96	130	672592	9.239	ppbv	98
39) 1,2-Dichloropropane	7.74	63	684555	9.740	ppbv	100
40) 1,4-Dioxane	7.96	88	212156	8.020	ppbv	79
41) Tetrahydrofuran	6.15	42	710552	9.557	ppbv	99
42) Bromodichloromethane	7.92	83	1562426	10.132	ppbv	100
43) Methyl Methacrylate	8.14	69	735410	10.102	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033282.D
 Acq On : 12 Mar 2019 13:09
 Operator : SY/AP
 Sample : VL0312ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:05:58 AM

Quant Time: Mar 13 17:44:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 14 07:17:55 2019
 QLast Update : Wed Mar 13 07:17:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2974470	9.376	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	999743	11.172	ppbv	96
46) cis-1,3-Dichloropropene	8.84	75	1127980	10.754	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	734656	9.789	ppbv	96
48) Dibromochloromethane	10.45	129	1301644	10.578	ppbv	99
49) Bromoform	13.21	173	1153487	11.565	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1855785	9.710	ppbv	100
51) 2-Hexanone	10.27	43	1467860	10.062	ppbv #	100
52) Tetrachloroethene	11.37	164	656239	9.585	ppbv	99
53) Toluene	9.95	91	2102339	9.766	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1163663	10.088	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	895291	9.749	ppbv #	61
57) Chlorobenzene	12.30	112	1531929	9.402	ppbv	98
58) Ethyl Benzene	12.87	91	2928414	9.863	ppbv	98
59) m/p-Xylene	13.15	91	4868272m	19.607	ppbv	
60) o-Xylene	13.85	91	2344335	9.821	ppbv	100
61) Styrene	13.69	104	1763693	10.375	ppbv	100
62) Isopropylbenzene	14.83	105	3287152	9.883	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1591009	9.943	ppbv	100
64) n-propylbenzene	15.73	120	834442	10.196	ppbv	99
65) tert-Butylbenzene	16.91	119	2865316	10.206	ppbv	99
66) Benzyl Chloride	17.16	91	1483994	13.647	ppbv	100
67) sec-Butylbenzene	17.46	105	4102733	10.268	ppbv	100
69) p-Isopropyltoluene	17.82	119	3363814	10.421	ppbv	100
70) n-Butylbenzene	18.71	91	3530331	10.185	ppbv	99
71) 2-Chlorotoluene	15.62	91	2543173	10.144	ppbv	100
72) 4-Ethyltoluene	16.00	105	2726764	10.575	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2570750	10.581	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2626955	10.617	ppbv	94
75) 1,3-Dichlorobenzene	17.17	146	1513646	10.207	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1508110	10.283	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1456504	9.866	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	830336	6.751	ppbv	100
79) Naphthalene	22.42	128	2865579	10.698	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	1506408	20.525	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1351362	9.583	ppbv	100

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

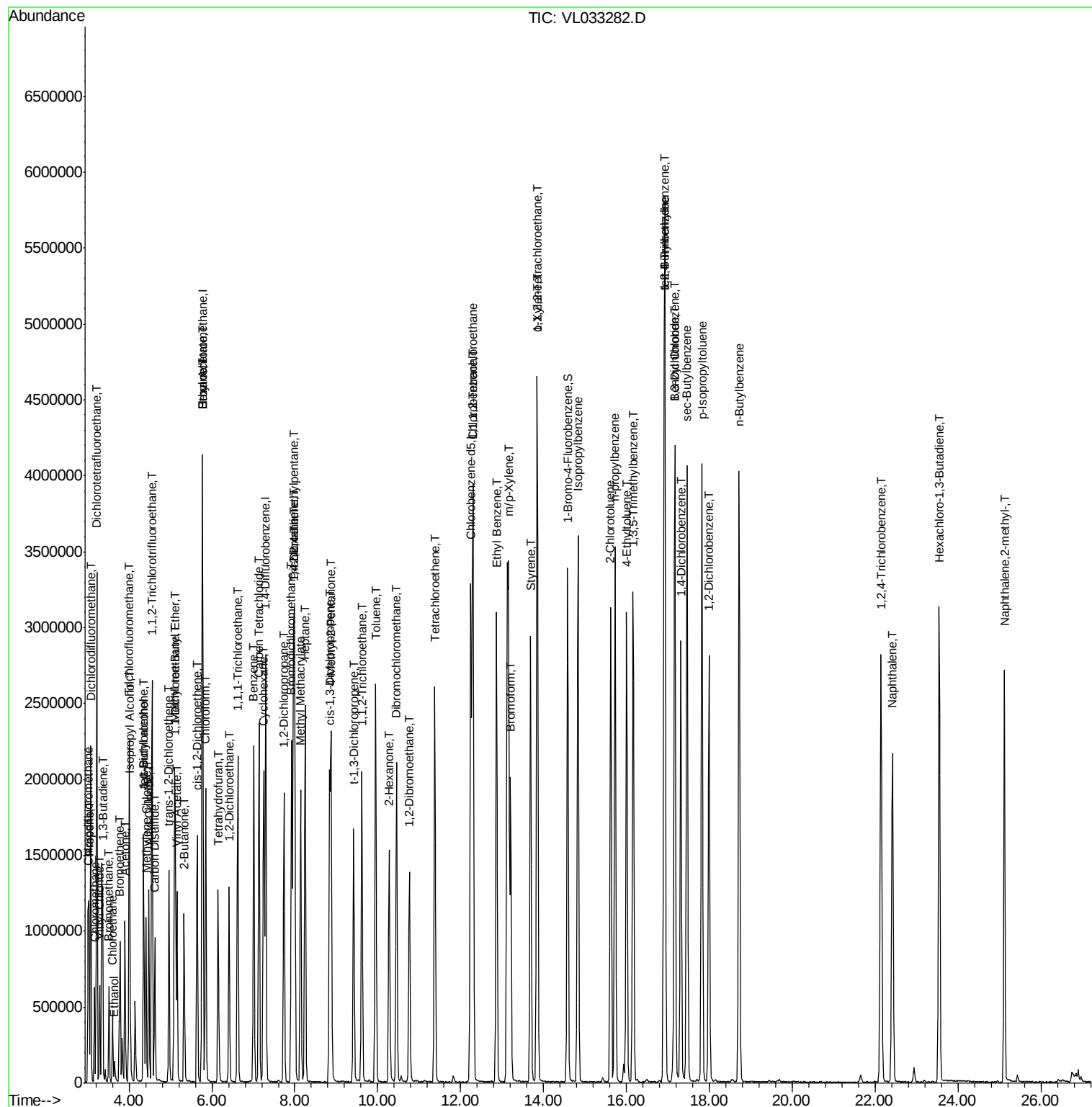
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033282.D
 Acq On : 12 Mar 2019 13:09
 Operator : SY/AP
 Sample : VL0312ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

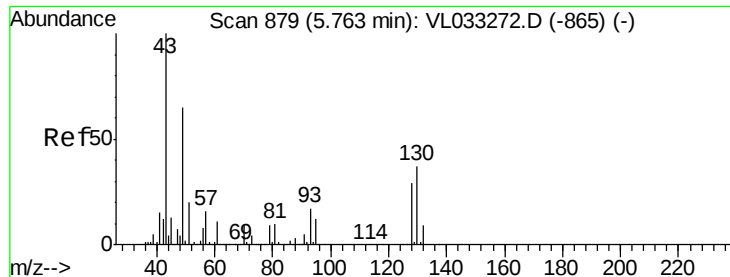
Instrument :
 MSVOA_L
 Client Sampled :
 VL0312ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:05:58 AM

Quant Time: Mar 13 17:44:39 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
 QLast Update : Wed Mar 13 07:17:55 2019
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

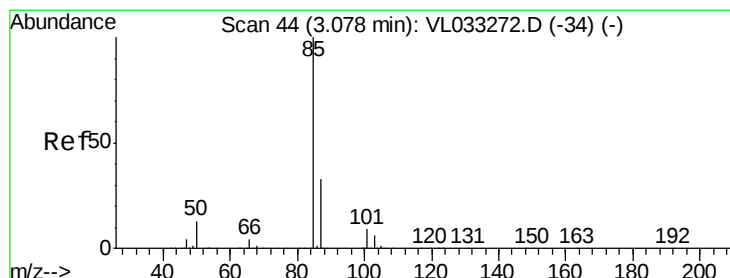
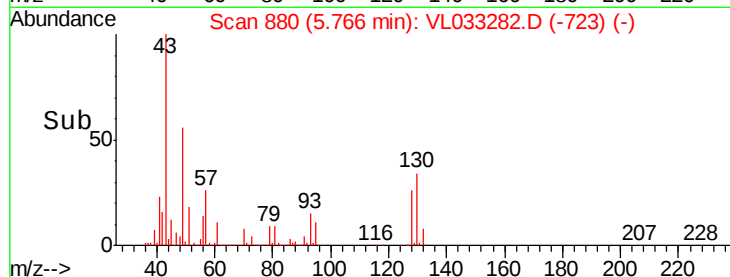
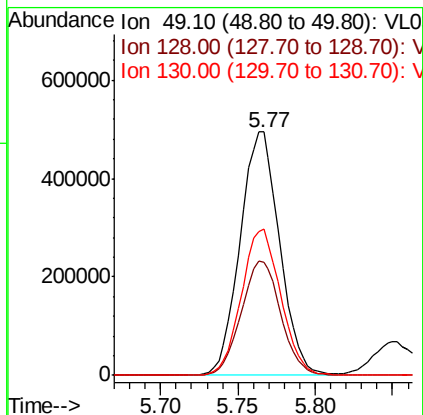
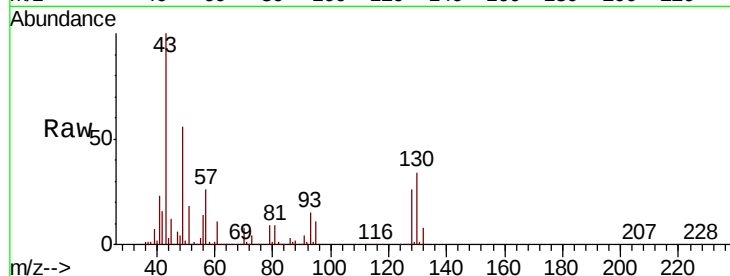
ClientSampleId :

VL0312ABS01

Tgt Ion:	49	Resp:	880610
Ion	Ratio	Lower	Upper
49	100		
128	47.0	23.3	69.9
130	59.9	30.0	90.1

Manual Integrations
APPROVED

MMDadoda
3/14/2019 5:05:58 AM



#2

Dichlorodifluoromethane

Concen: 8.758 ppbv

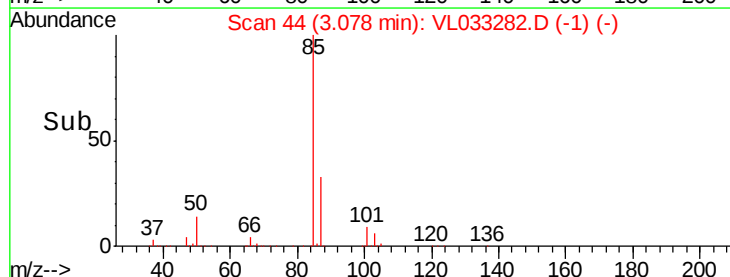
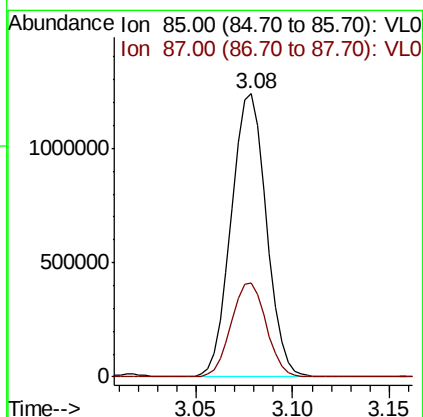
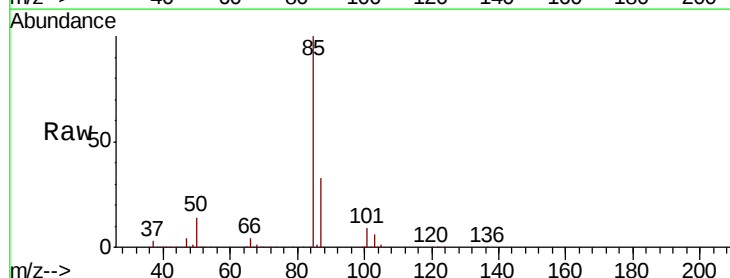
RT: 3.08 min Scan# 44

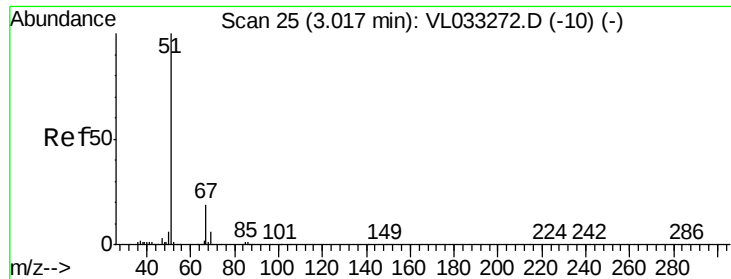
Delta R.T. 0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Tgt Ion:	85	Resp:	1557602
Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.4	39.6





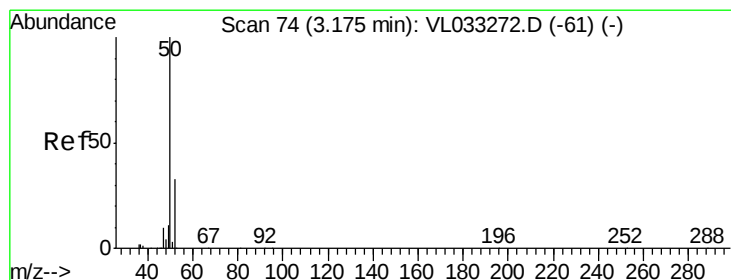
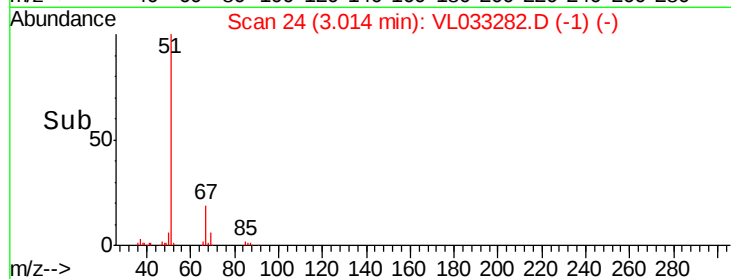
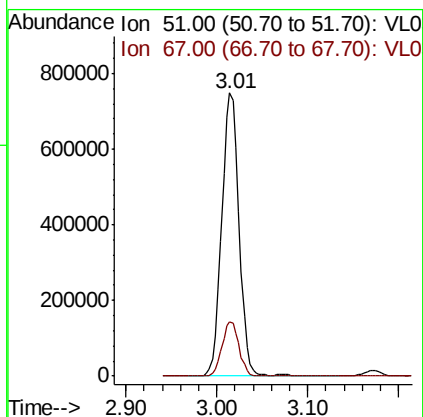
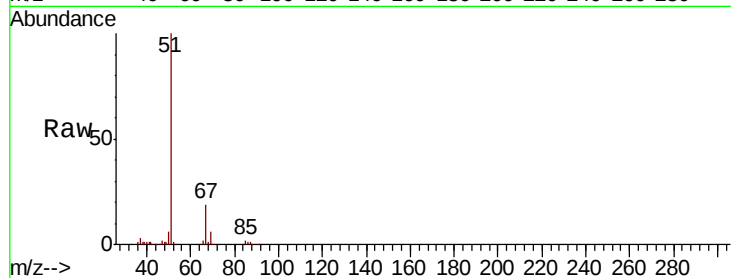
#3
Chlorodifluoromethane
Concen: 8.443 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion	Ratio	Lower	Upper
51	100		
67	18.9	15.0	22.4

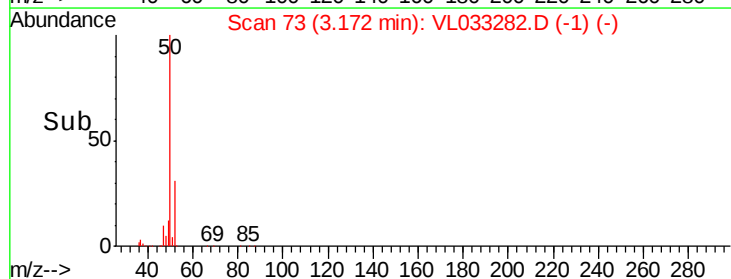
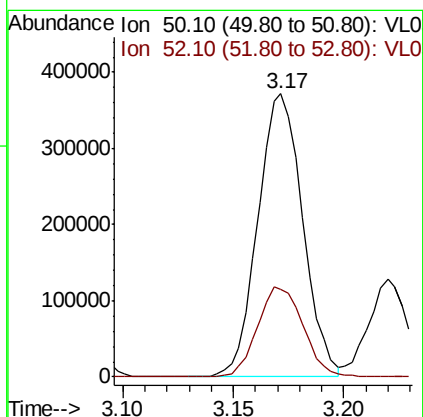
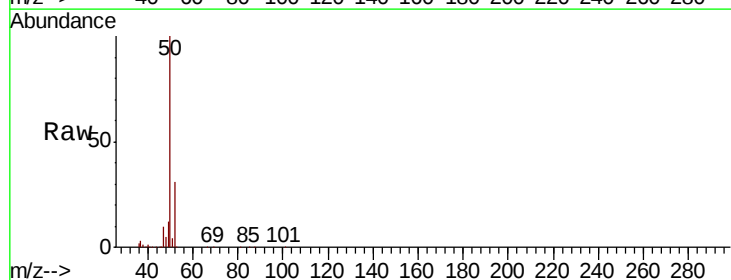
Manual Integrations
APPROVED

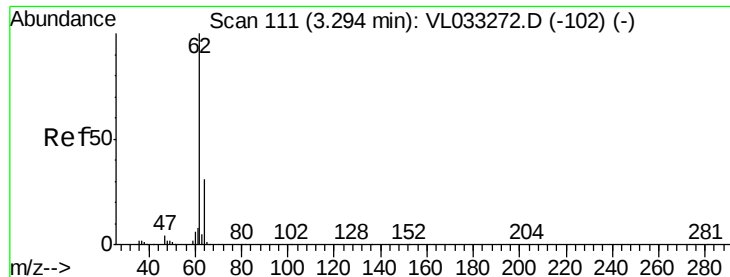
MMDadoda
3/14/2019 5:05:58 AM



#4
Chloromethane
Concen: 8.334 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	39.8





#5

Vinyl Chloride

Concen: 8.462 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

ClientSampleId :

VL0312ABS01

Tgt Ion: 62 Resp: 516046

Ion Ratio Lower Upper

62 100

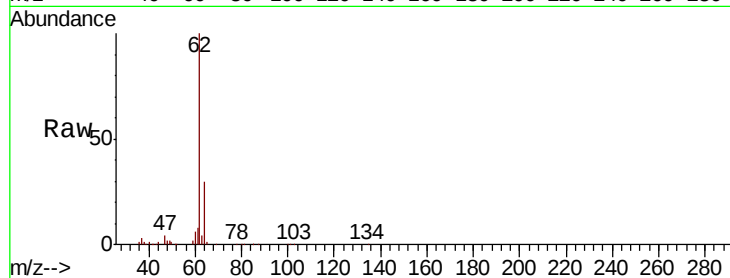
64 30.4 24.5 36.7

Manual Integrations

APPROVED

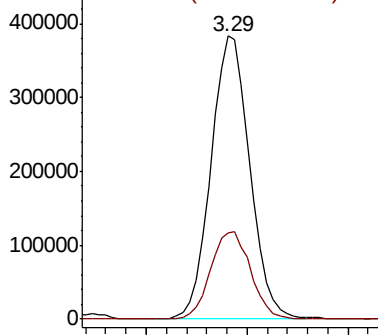
MMDadoda

3/14/2019 5:05:58 AM

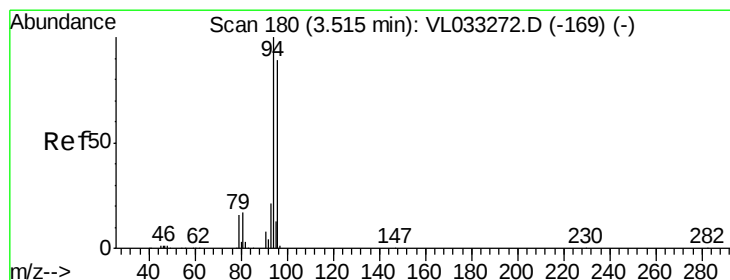
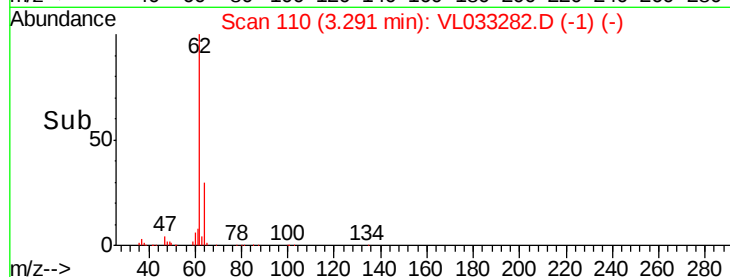


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 8.435 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033282.D

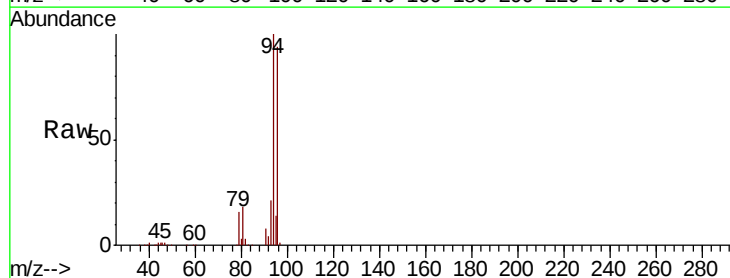
Acq: 12 Mar 2019 13:09

Tgt Ion: 94 Resp: 314241

Ion Ratio Lower Upper

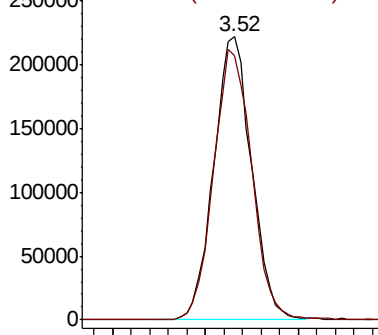
94 100

96 93.5 71.3 106.9

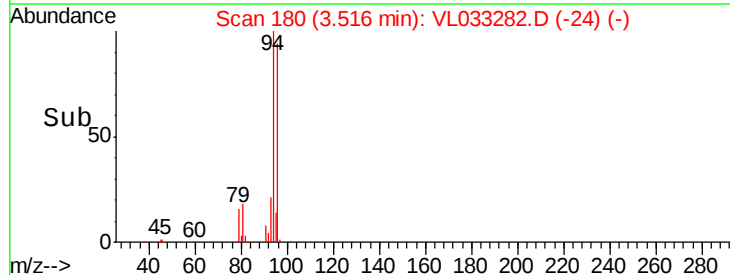


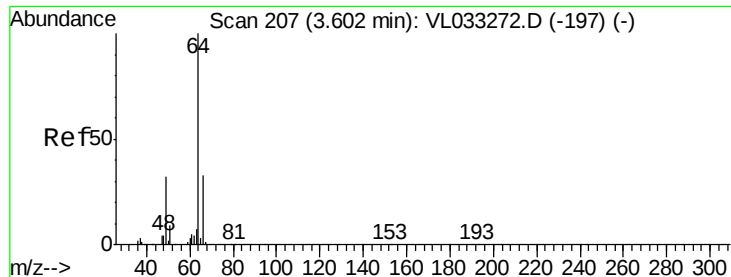
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->





#7

Chloroethane

Concen: 12.474 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

ClientSampleId :

VL0312ABS01

Tgt Ion: 64 Resp: 275112

Ion Ratio Lower Upper

64 100

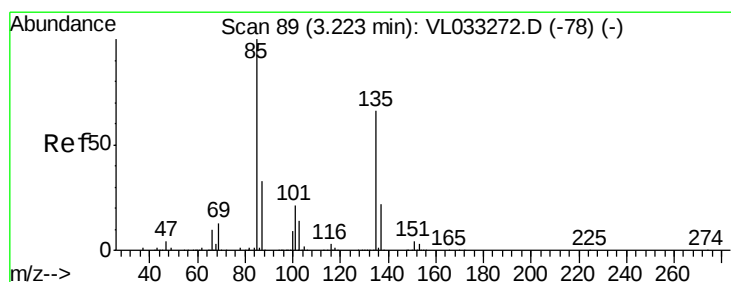
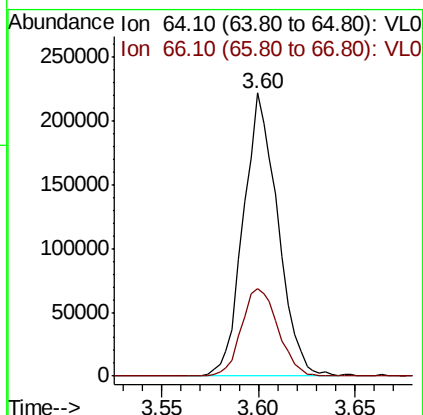
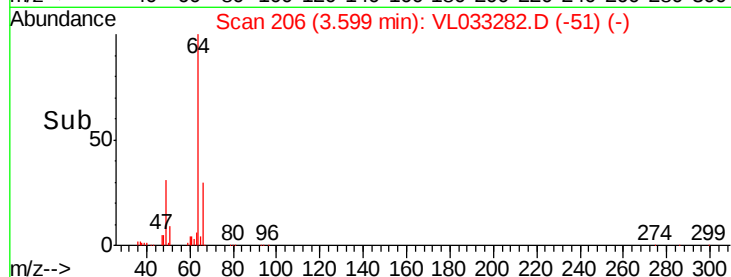
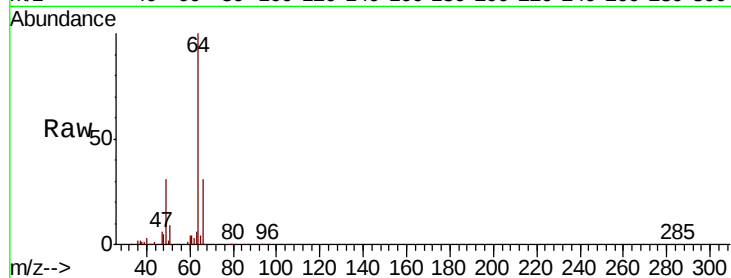
66 31.5 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

3/14/2019 5:05:58 AM



#8

Dichlorotetrafluoroethane

Concen: 8.384 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033282.D

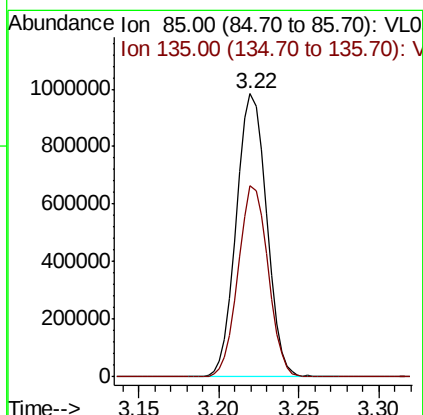
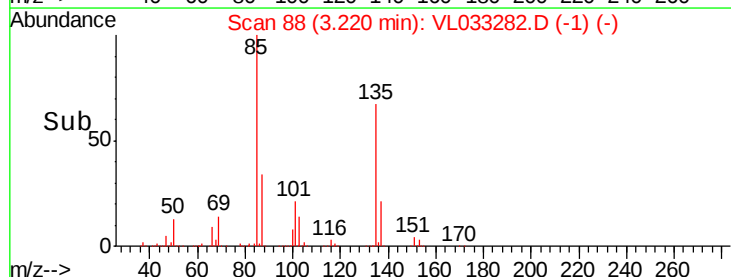
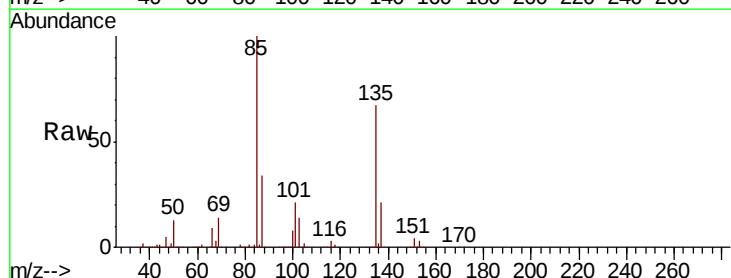
Acq: 12 Mar 2019 13:09

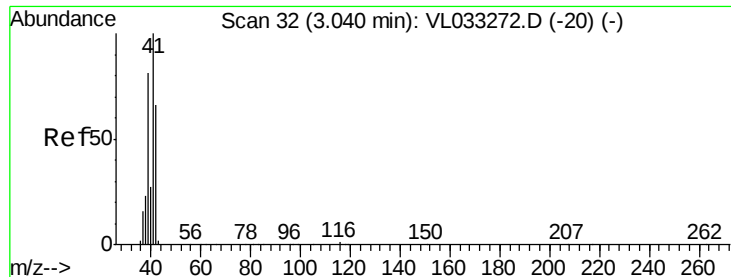
Tgt Ion: 85 Resp: 1260461

Ion Ratio Lower Upper

85 100

135 66.9 53.4 80.2





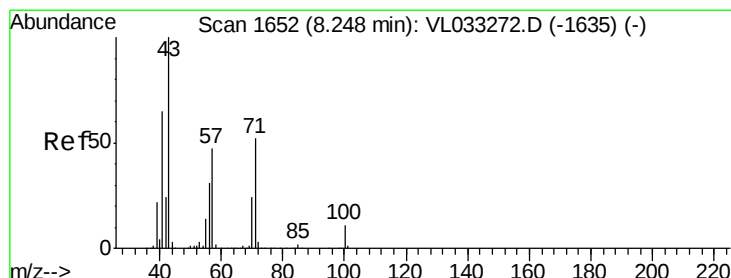
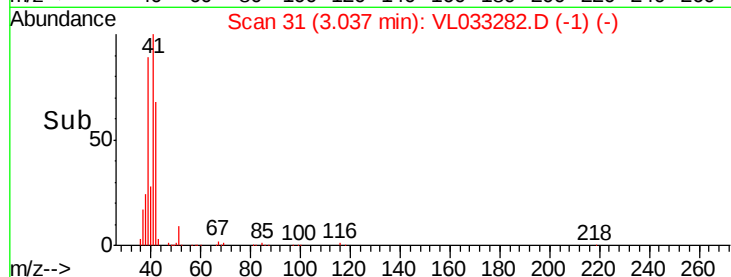
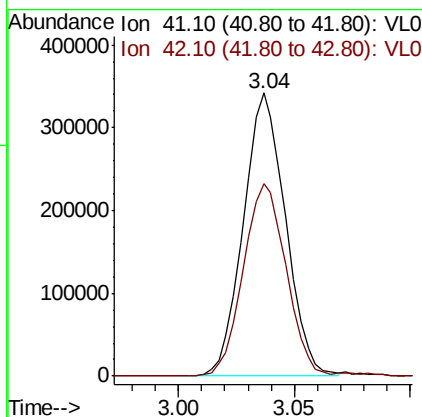
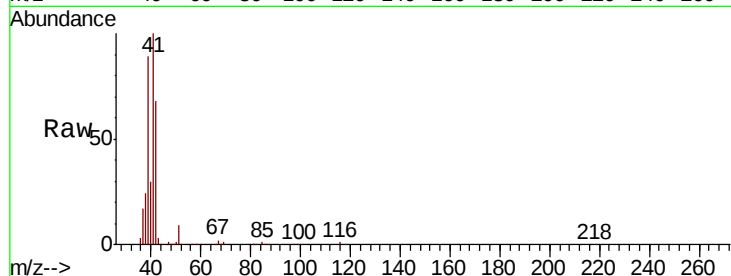
#9
 Propene
 Concen: 8.095 ppbv
 RT: 3.04 min Scan# 31
 Delta R.T. -0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Tgt Ion: 41 Resp: 431034
 Ion Ratio Lower Upper
 41 100
 42 70.2 54.6 82.0

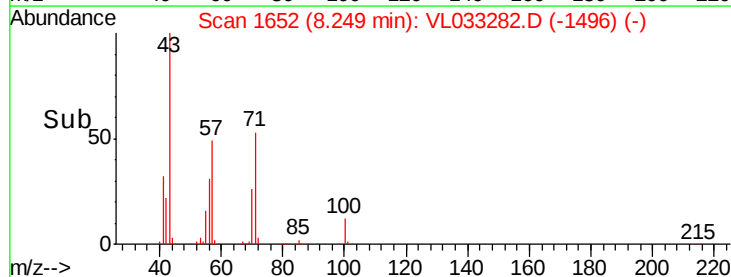
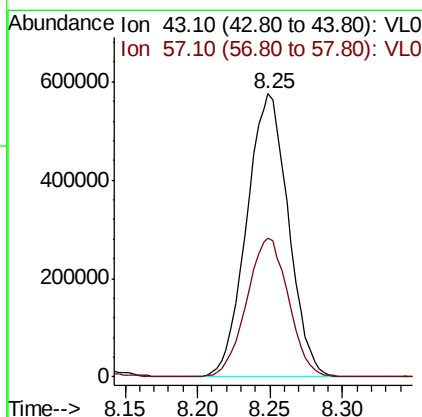
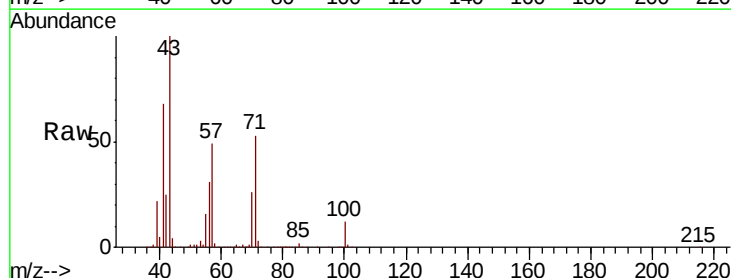
Manual Integrations
 APPROVED

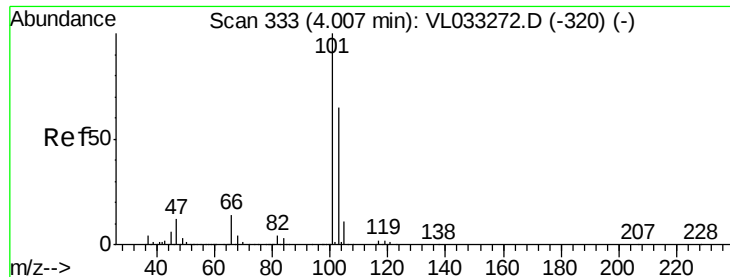
MMDadoda
 3/14/2019 5:05:58 AM



#10
 Heptane
 Concen: 9.584 ppbv
 RT: 8.25 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Tgt Ion: 43 Resp: 1149539
 Ion Ratio Lower Upper
 43 100
 57 49.5 39.8 59.8





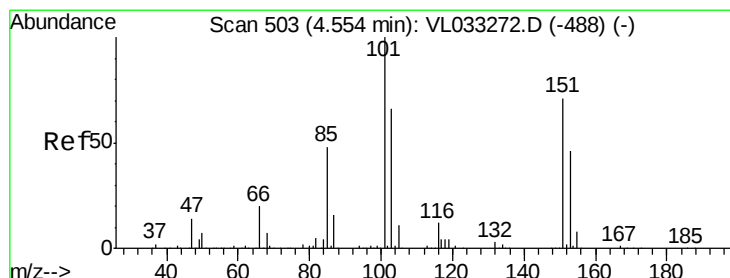
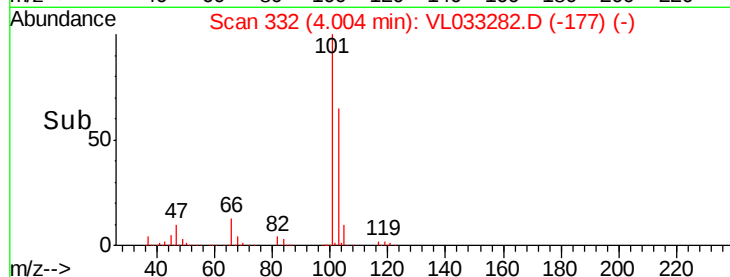
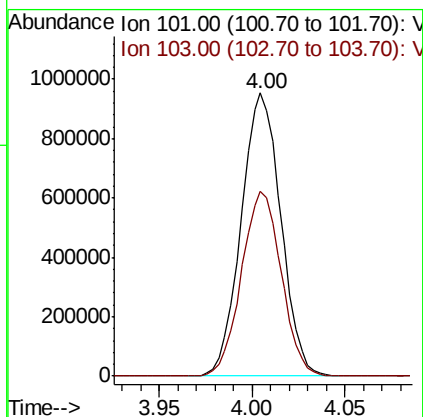
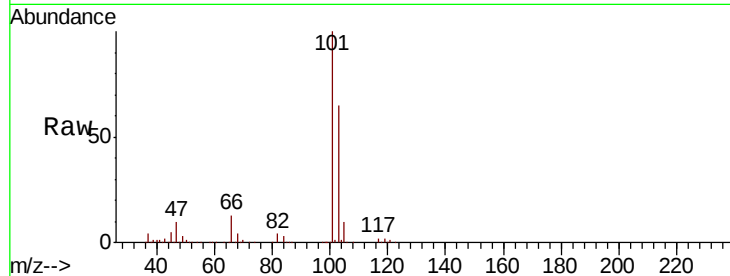
#11
 Trichlorofluoromethane
 Concen: 8.068 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Tgt Ion:101 Resp: 1420136
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.8 77.8

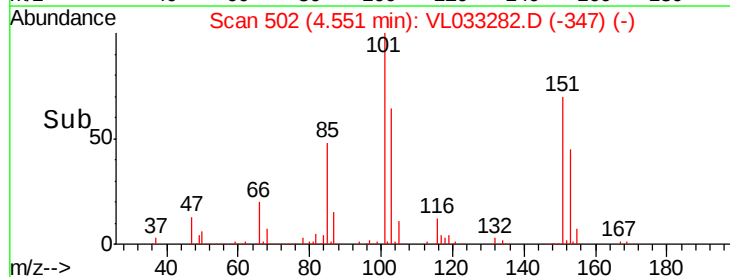
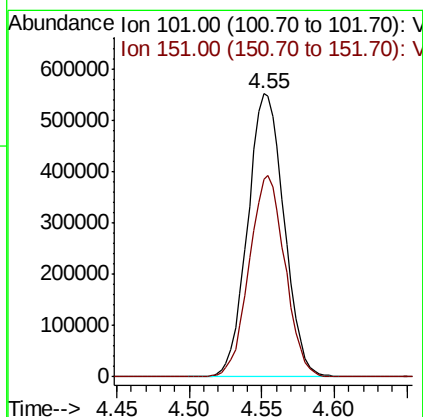
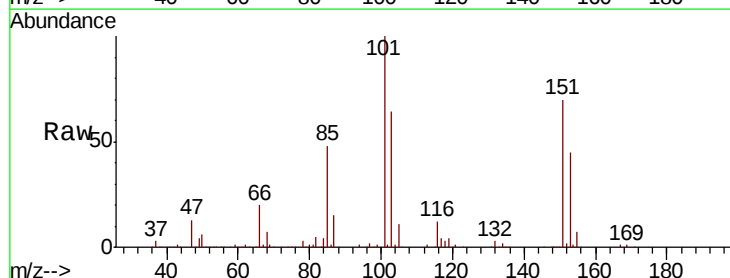
Manual Integrations
 APPROVED

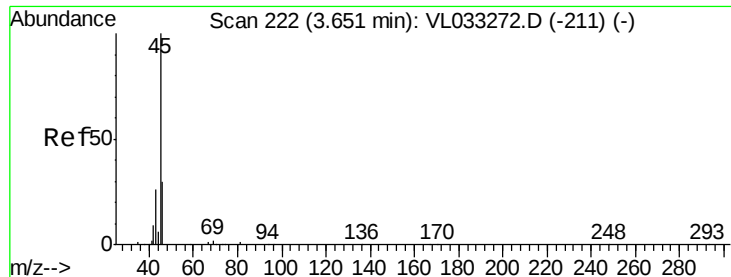
MMDadoda
 3/14/2019 5:05:58 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.579 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Tgt Ion:101 Resp: 965056
 Ion Ratio Lower Upper
 101 100
 151 70.2 56.9 85.3





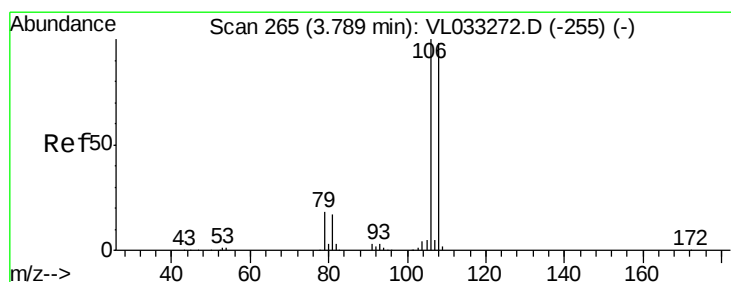
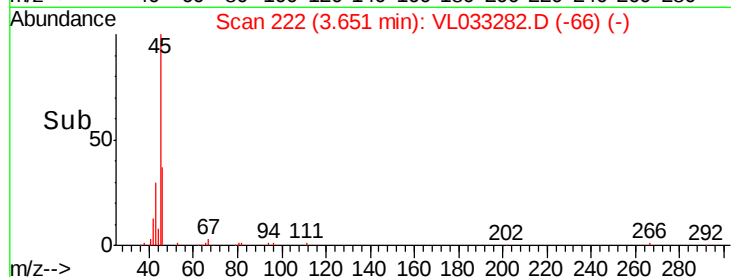
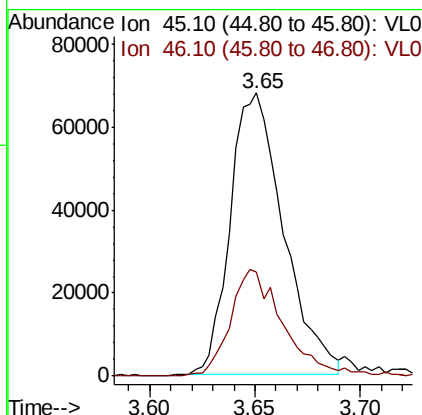
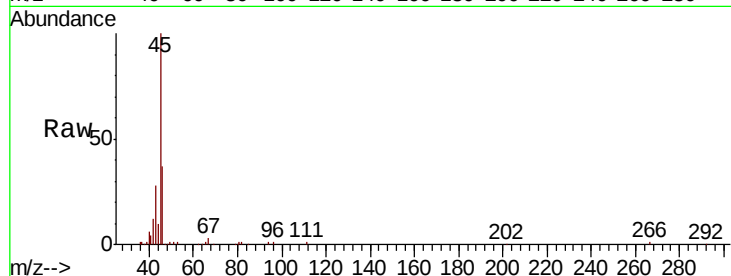
#13
Ethanol
Concen: 7.354 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion	Ratio	Lower	Upper
45	100		
46	38.3	13.9	55.7

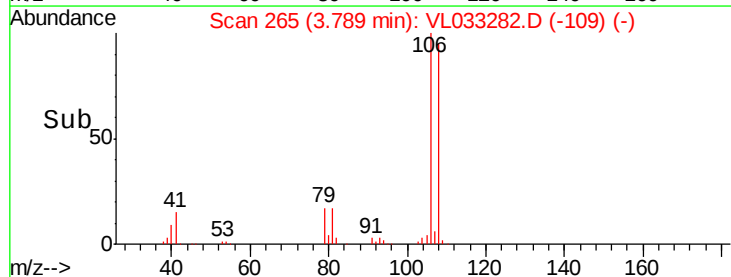
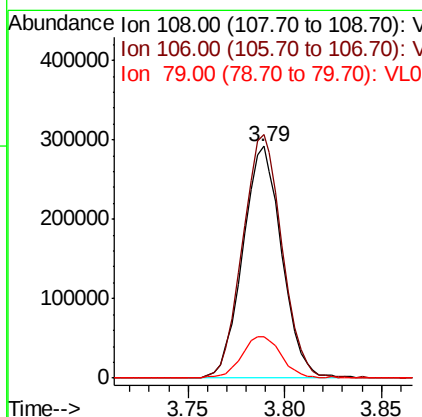
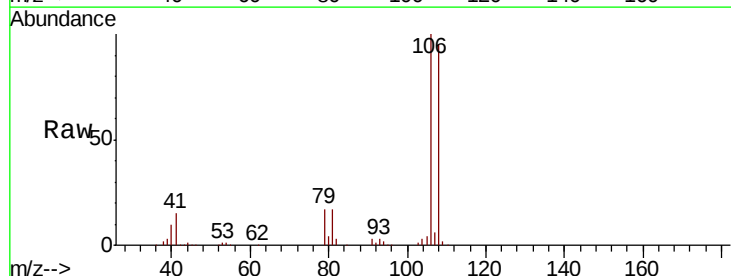
Manual Integrations
APPROVED

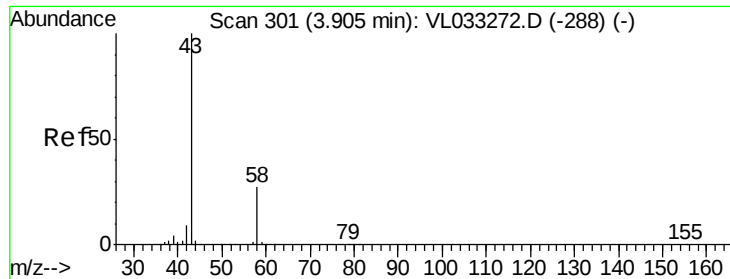
MMDadoda
3/14/2019 5:05:58 AM



#14
Bromoethene
Concen: 8.707 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.7	85.9	128.9
79	18.5	14.9	22.3





#15

Acetone

Concen: 7.499 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

ClientSampleId :

VL0312ABS01

Tgt Ion: 43 Resp: 1013072

Ion Ratio Lower Upper

43 100

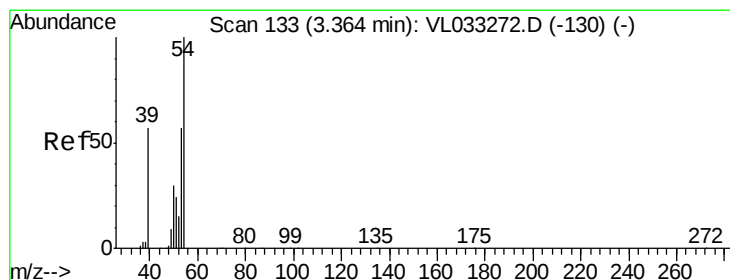
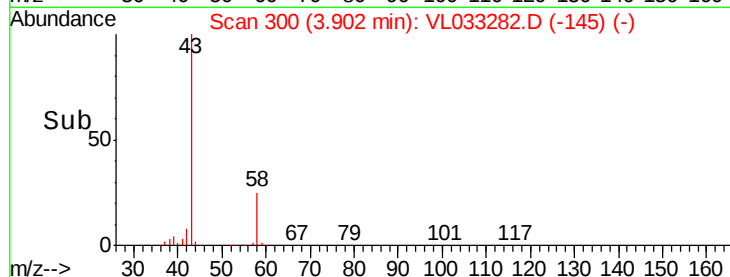
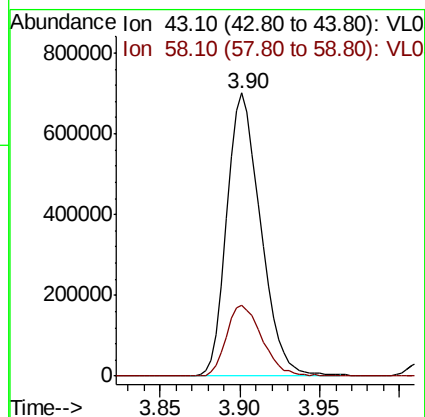
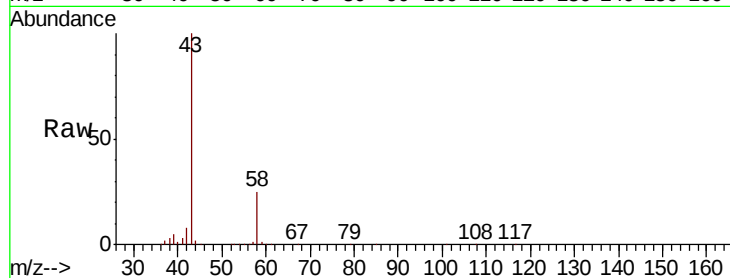
58 26.4 21.1 31.7

Manual Integrations

APPROVED

MMDadoda

3/14/2019 5:05:58 AM



#16

1,3-Butadiene

Concen: 9.034 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033282.D

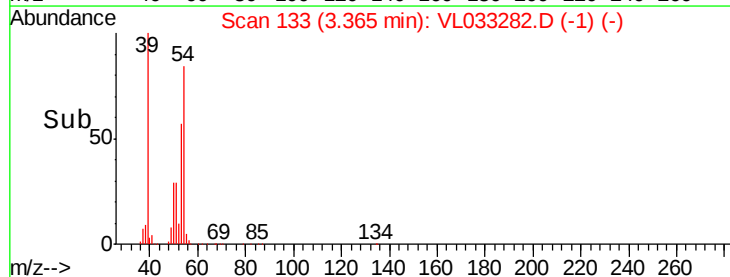
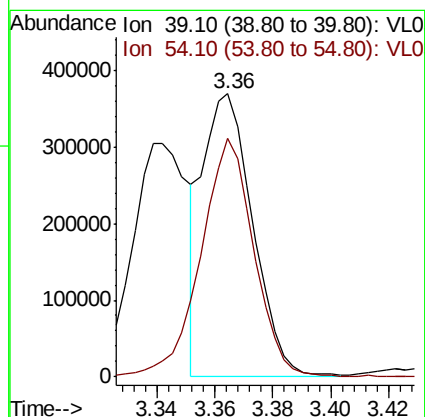
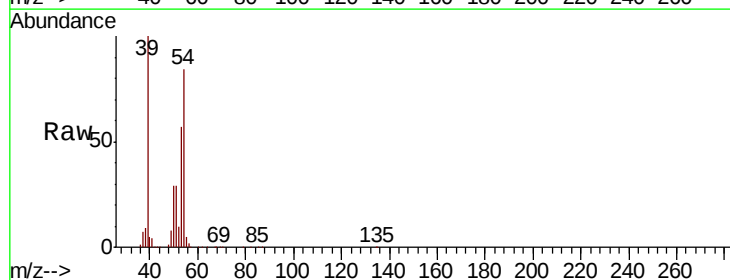
Acq: 12 Mar 2019 13:09

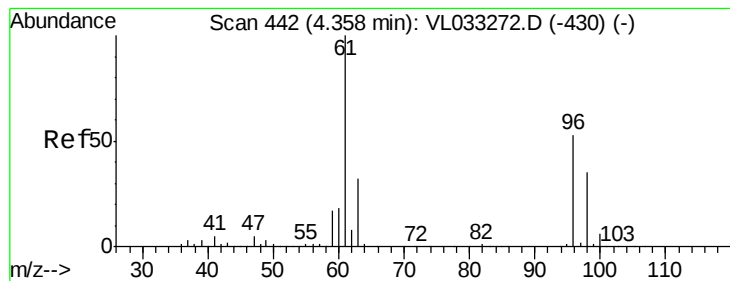
Tgt Ion: 39 Resp: 440662

Ion Ratio Lower Upper

39 100

54 90.5 76.6 114.8





#17

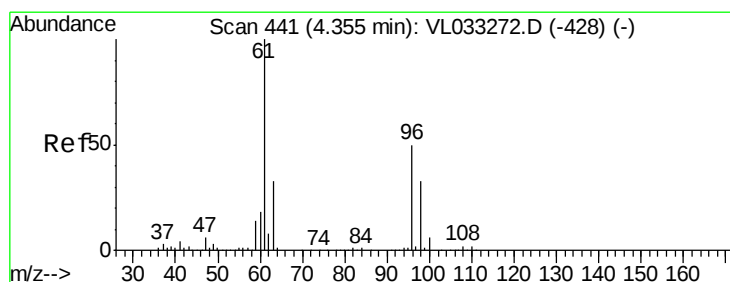
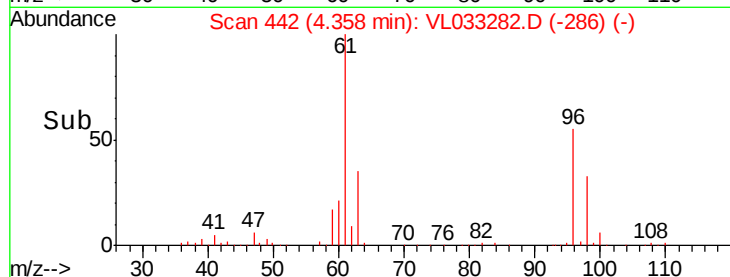
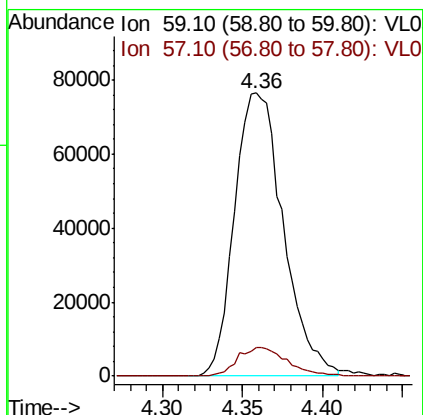
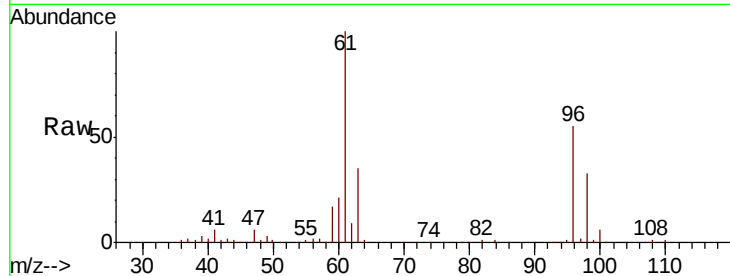
tert-Butyl alcohol
Concen: 8.804 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion: 59 Resp: 159606
Ion Ratio Lower Upper
59 100
57 10.4 7.5 11.3

Manual Integrations
APPROVED

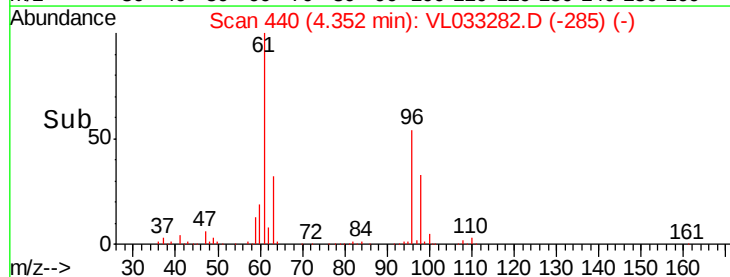
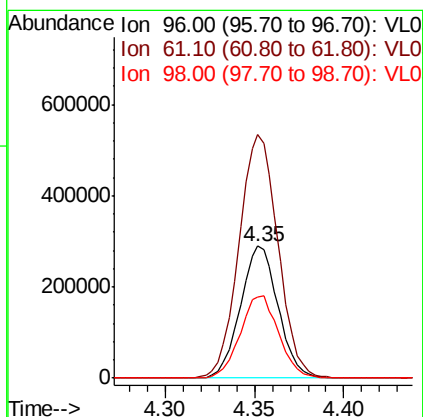
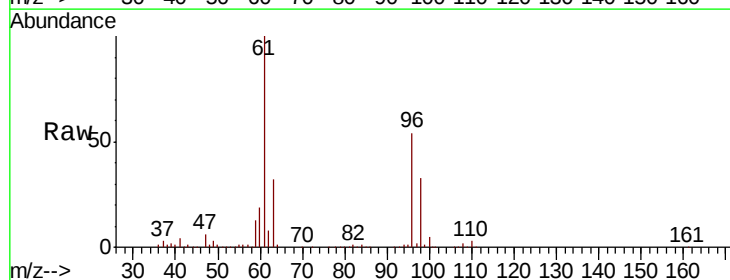
MMDadoda
3/14/2019 5:05:58 AM

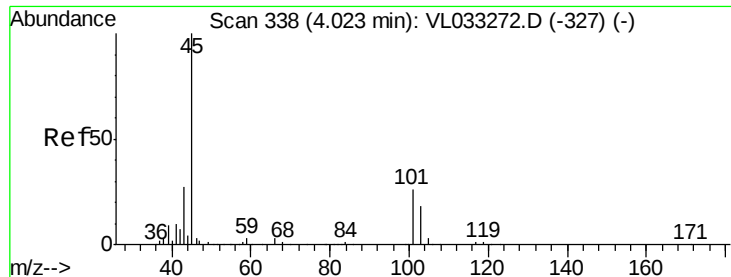


#18

1,1-Dichloroethene
Concen: 9.599 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 96 Resp: 428067
Ion Ratio Lower Upper
96 100
61 184.7 158.9 238.3
98 61.7 52.4 78.6





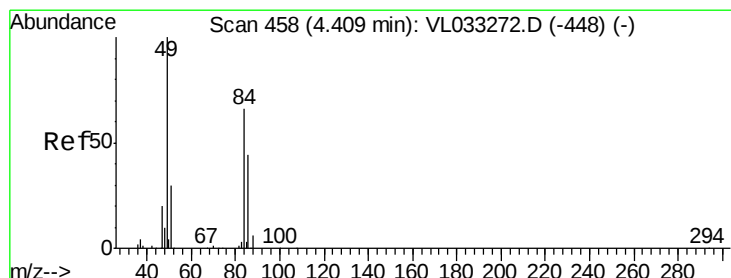
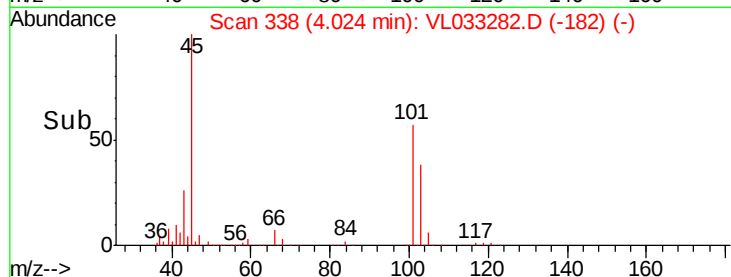
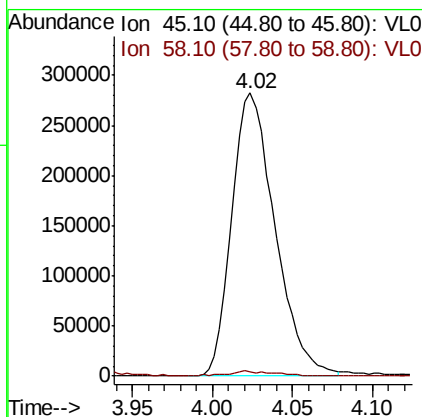
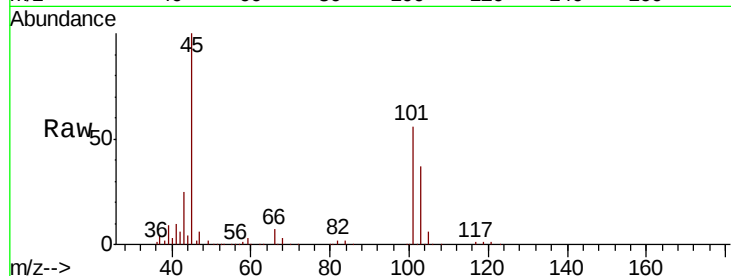
#19
Isopropyl Alcohol
Concen: 6.375 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion: 45 Resp: 520477
Ion Ratio Lower Upper
45 100
58 2.3 1.4 2.2#

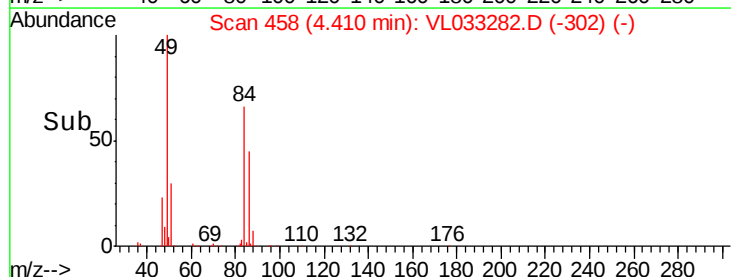
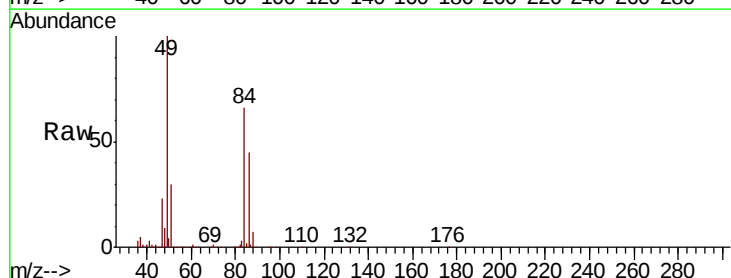
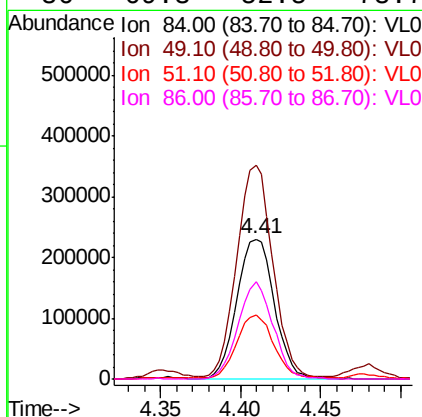
Manual Integrations
APPROVED

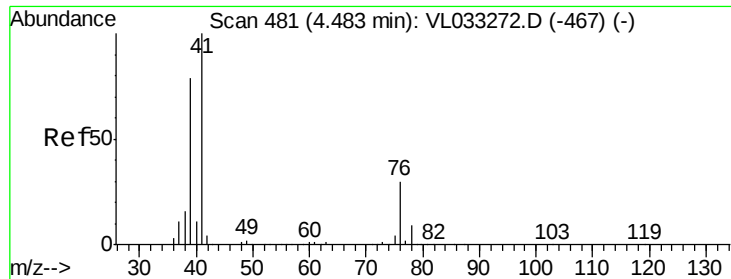
MMDadoda
3/14/2019 5:05:58 AM



#20
Methylene Chloride
Concen: 8.172 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 84 Resp: 367024
Ion Ratio Lower Upper
84 100
49 149.9 120.3 180.5
51 45.2 36.2 54.4
86 69.3 52.5 78.7





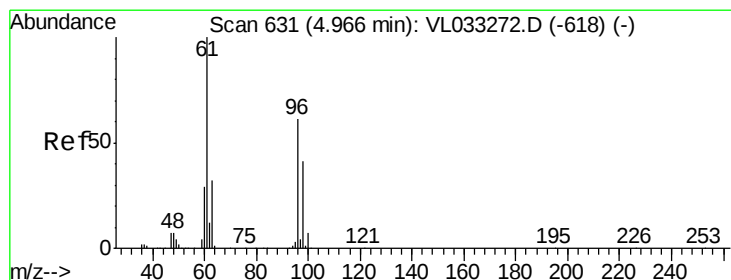
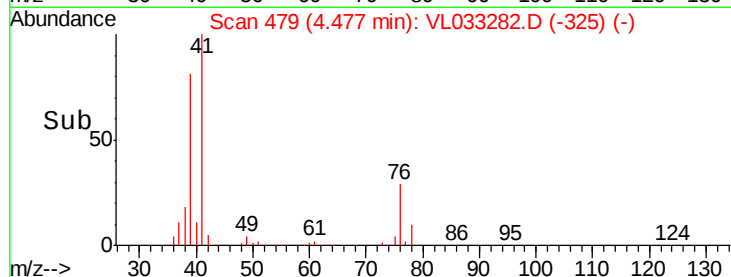
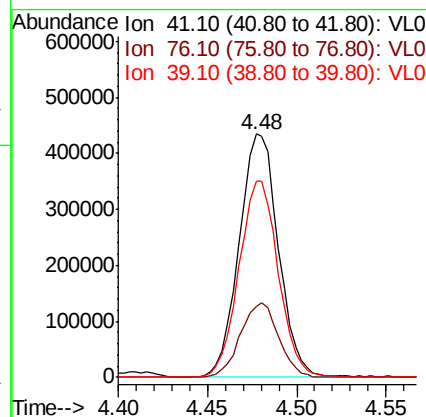
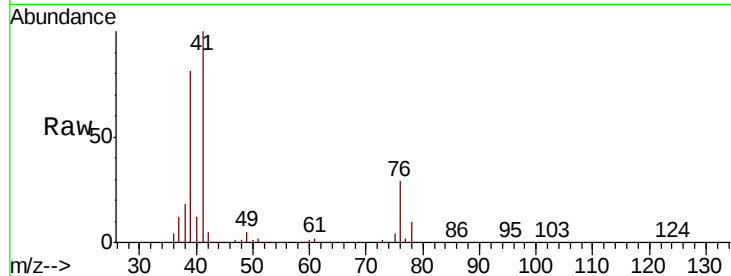
#21
 Allyl Chloride
 Concen: 9.898 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	664712		
76	30.1	25.0	37.4	
39	81.5	64.2	96.4	

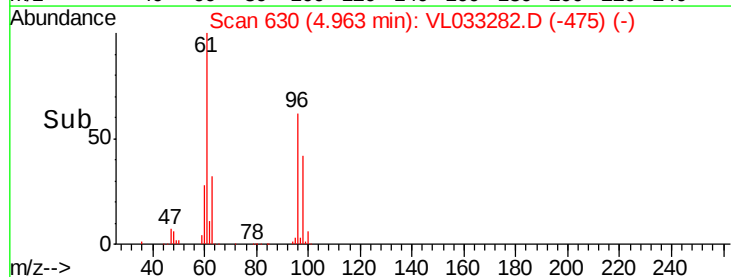
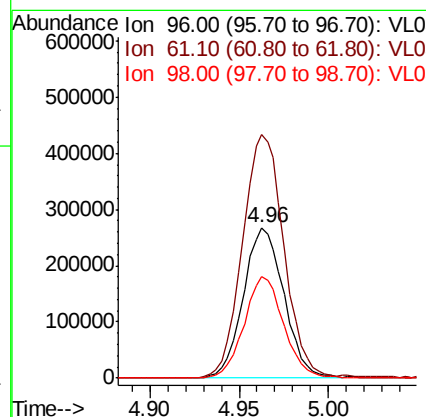
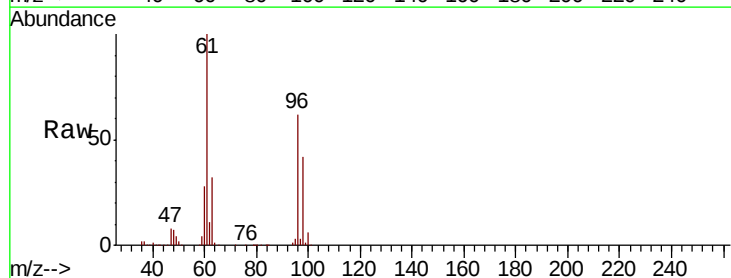
Manual Integrations
 APPROVED

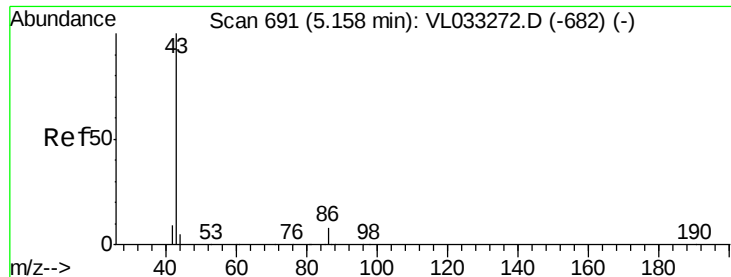
MMDadoda
 3/14/2019 5:05:58 AM



#22
 trans-1,2-Dichloroethene
 Concen: 8.929 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	424655		
61	162.2	131.6	197.4	
98	67.6	54.1	81.1	





#23

Vinyl Acetate

Concen: 9.429 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

ClientSampleId :

VL0312ABS01

Tgt Ion: 43 Resp: 1595921

Ion Ratio Lower Upper

43 100

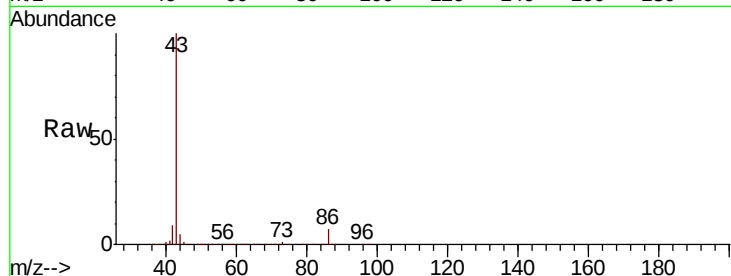
86 7.4 5.5 8.3

42 9.4 7.8 11.6

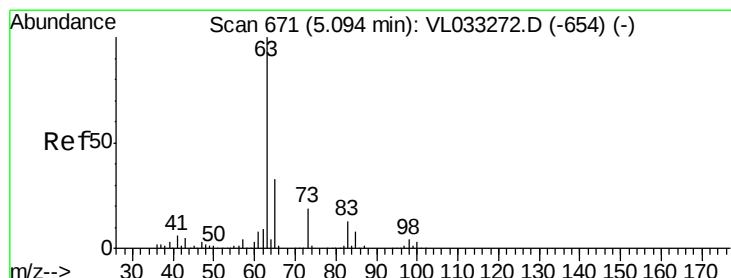
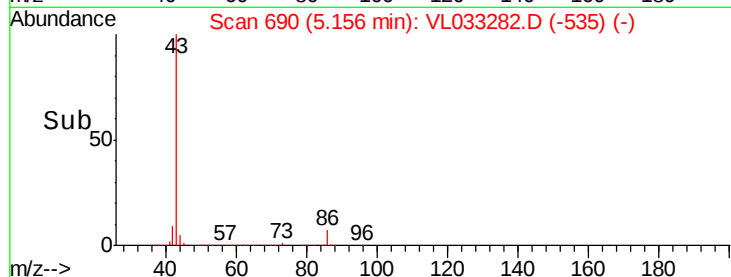
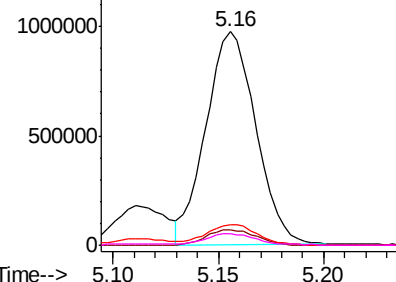
44 5.2 3.6 5.4

Manual Integrations
APPROVED

MMDadoda
3/14/2019 5:05:58 AM



Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000 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: 8.870 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

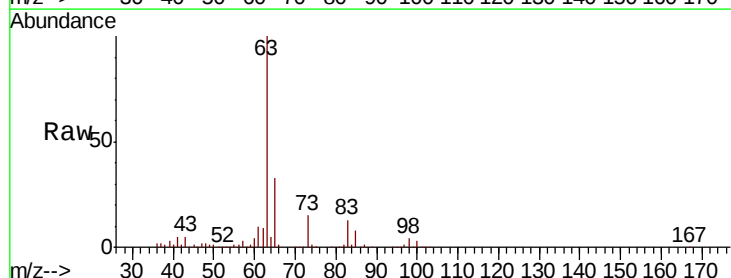
Tgt Ion: 63 Resp: 1088725

Ion Ratio Lower Upper

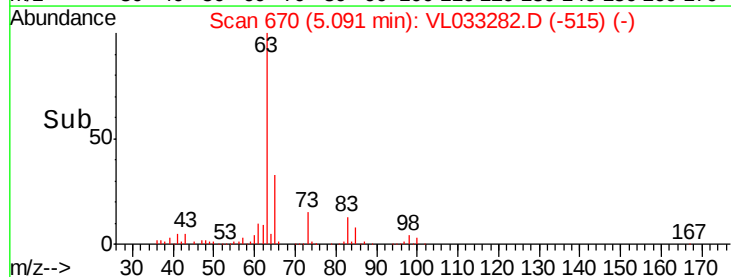
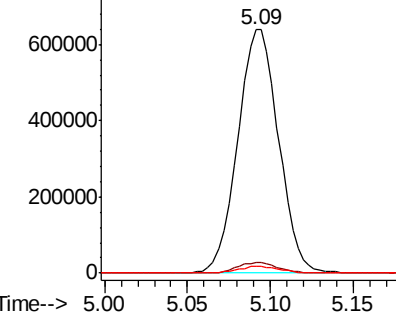
63 100

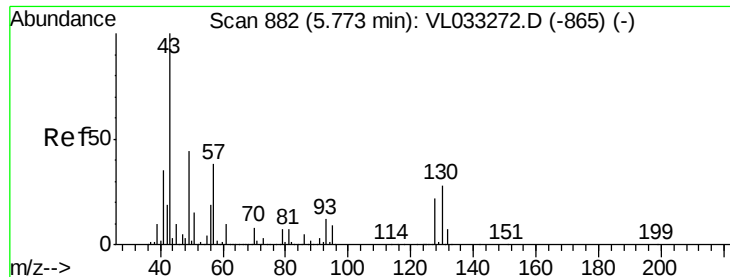
98 4.1 2.2 6.6

100 2.7 1.5 4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
800000 Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





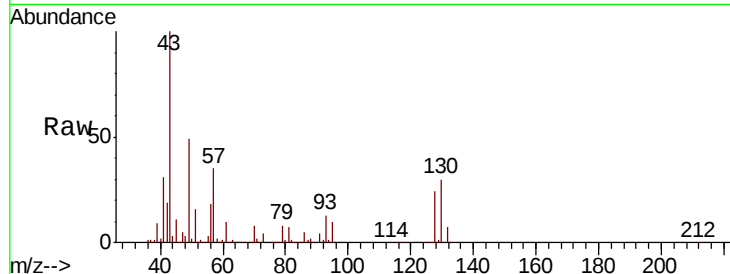
#25
Ethyl Acetate
Concen: 9.095 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

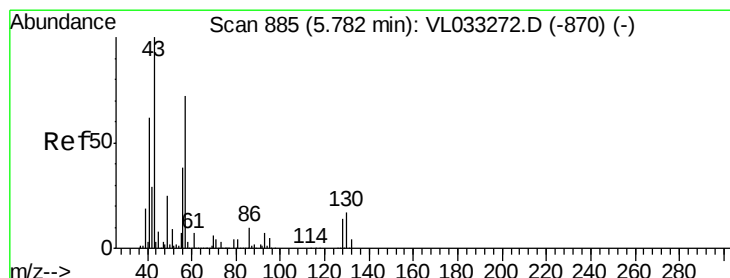
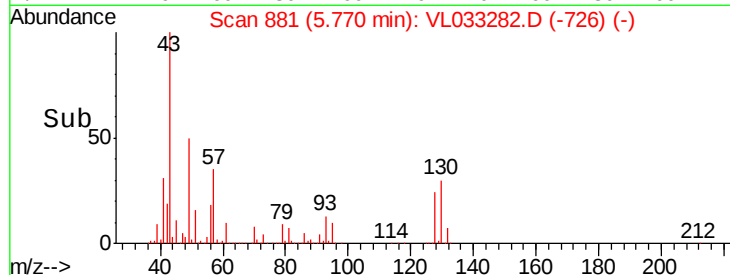
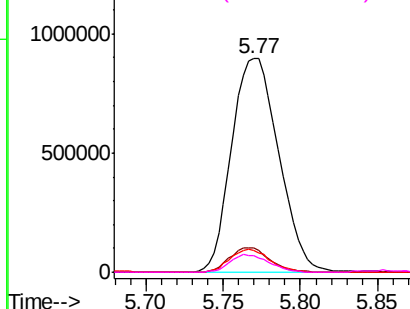
Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.1	7.3	10.9
70	7.1	5.8	8.6

Manual Integrations
APPROVED

MMDadoda
3/14/2019 5:05:58 AM



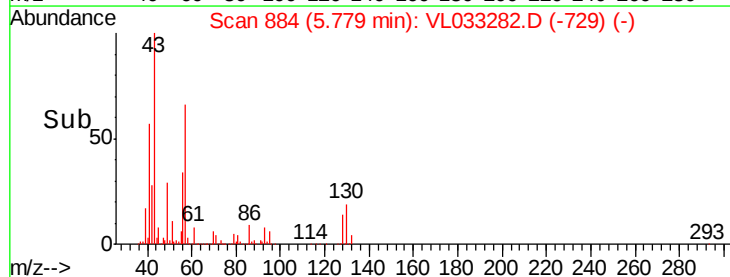
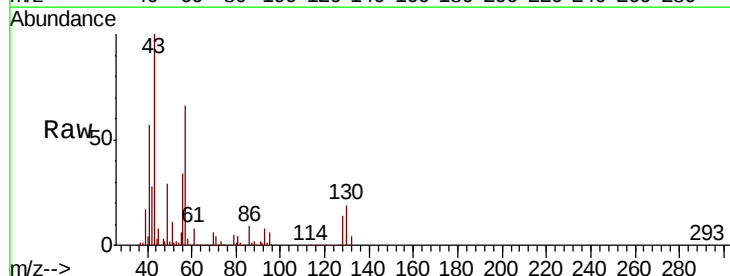
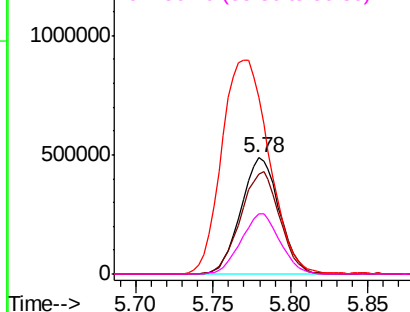
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

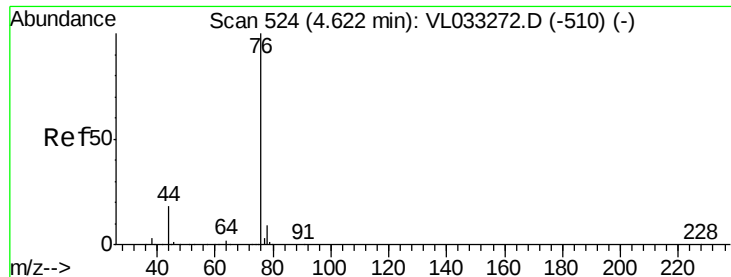


#26
Hexane
Concen: 8.631 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.1	70.7	106.1
43	226.5	178.6	267.8
56	52.4	41.3	61.9

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: 10.449 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

ClientSampleId :

VL0312ABS01

Tgt Ion: 76 Resp: 1083199

Ion Ratio Lower Upper

76 100

44 18.8 15.1 22.7

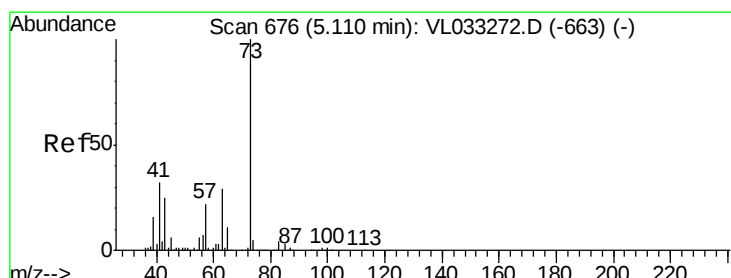
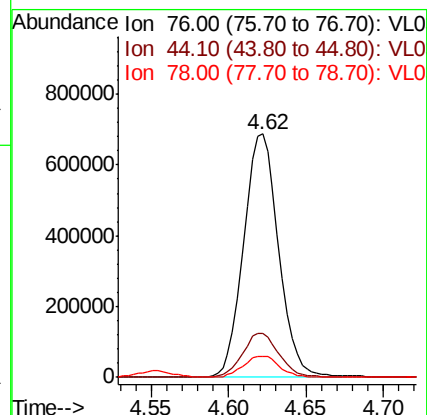
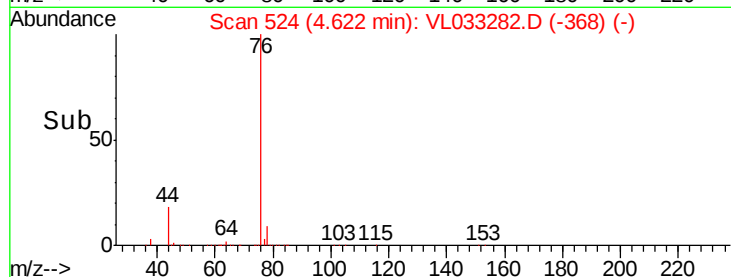
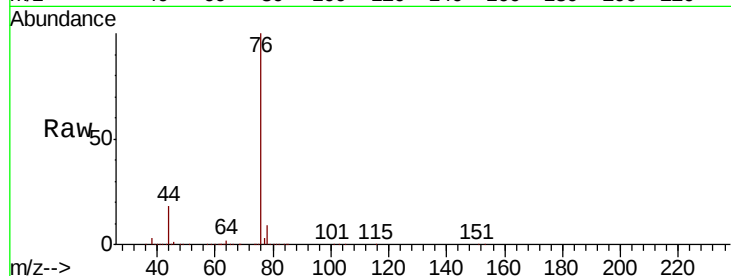
78 9.0 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

3/14/2019 5:05:58 AM



#28

Methyl tert-Butyl Ether

Concen: 9.219 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL033282.D

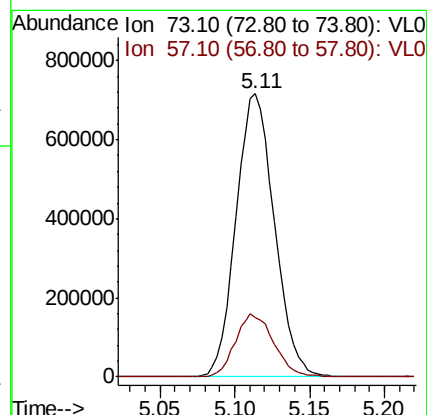
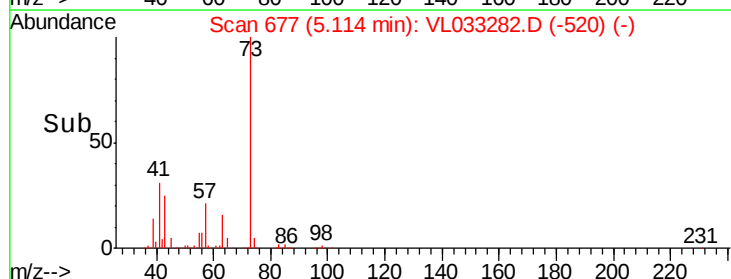
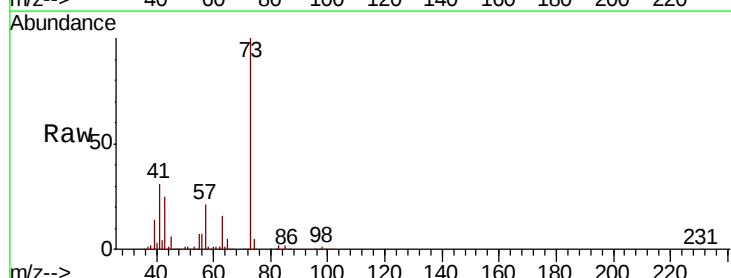
Acq: 12 Mar 2019 13:09

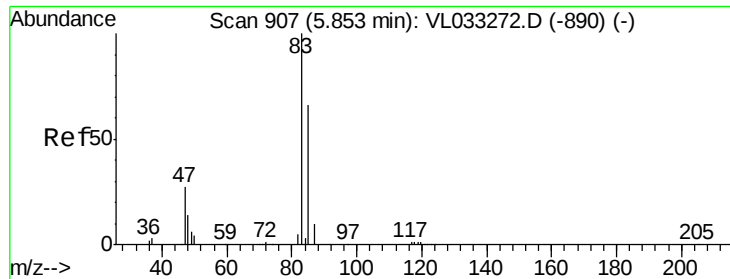
Tgt Ion: 73 Resp: 1278239

Ion Ratio Lower Upper

73 100

57 22.4 17.9 26.9





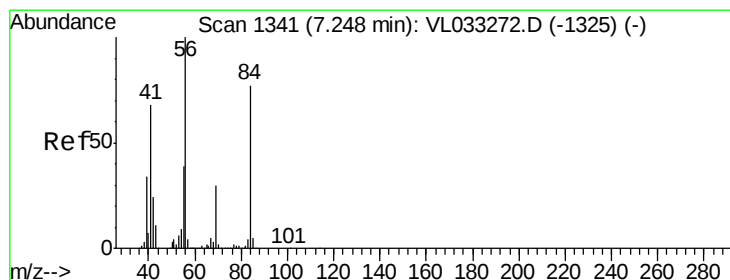
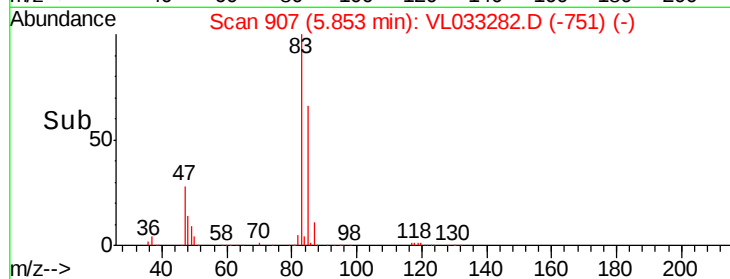
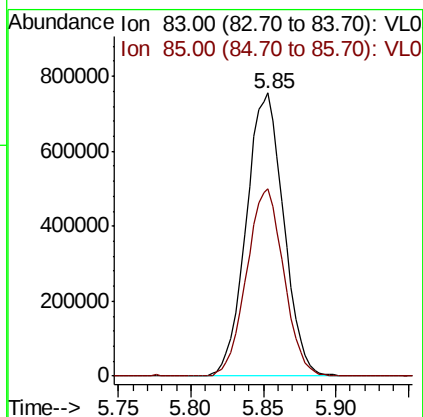
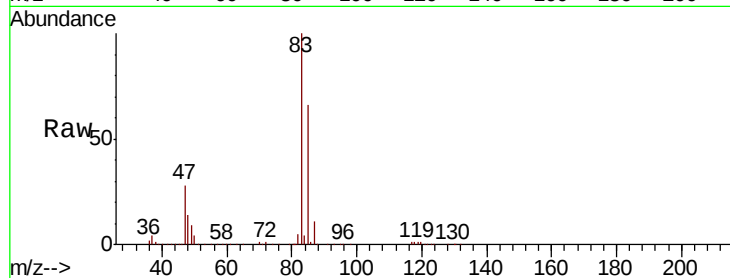
#29
Chloroform
Concen: 9.138 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion: 83 Resp: 1358269
Ion Ratio Lower Upper
83 100
85 66.2 52.5 78.7

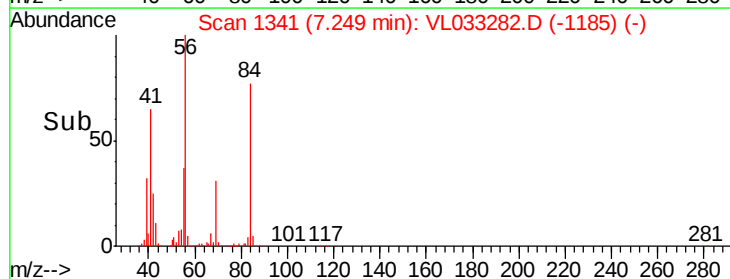
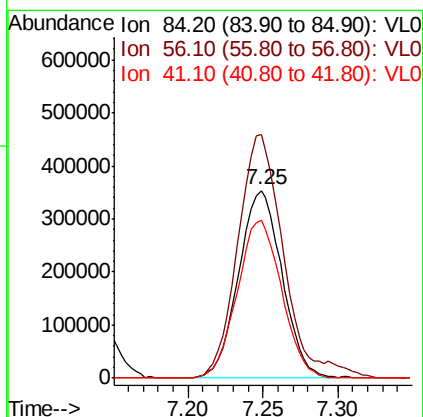
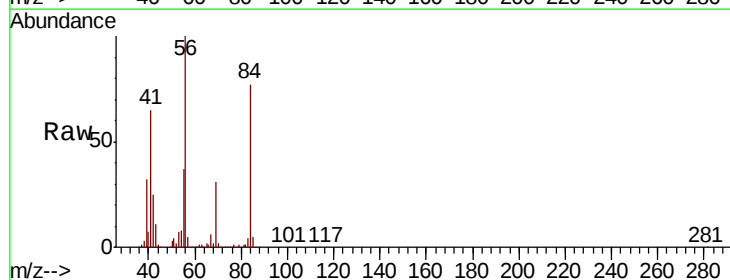
Manual Integrations
APPROVED

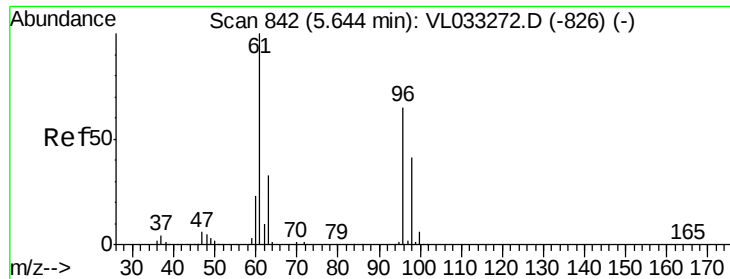
MMDadoda
3/14/2019 5:05:58 AM



#30
Cyclohexane
Concen: 9.461 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 84 Resp: 716683
Ion Ratio Lower Upper
84 100
56 137.3 112.0 168.0
41 85.9 69.9 104.9





#31

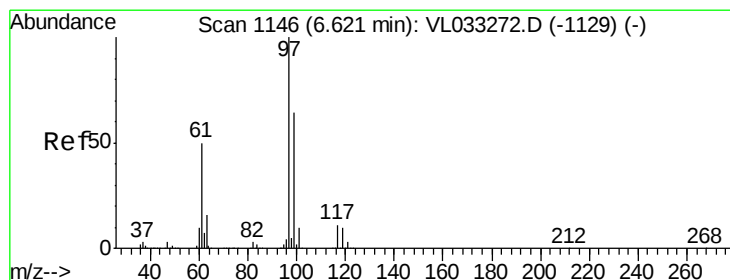
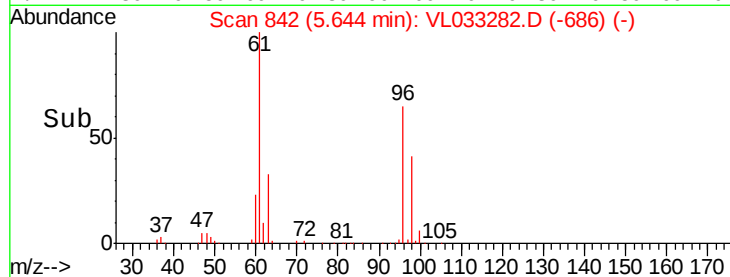
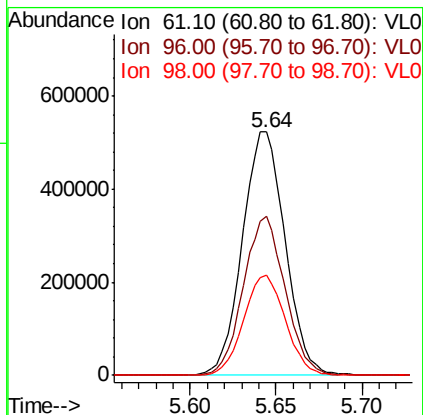
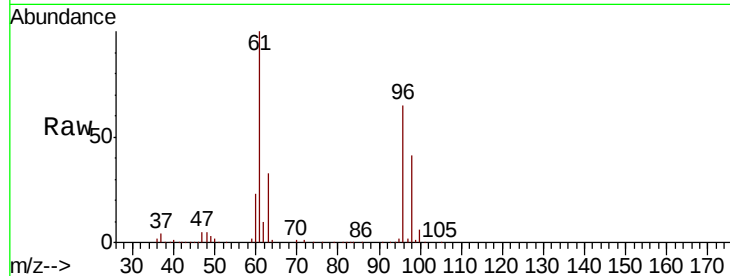
cis-1,2-Dichloroethene
 Concen: 9.633 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Tgt Ion:	61	Resp:	902289
Ion	Ratio	Lower	Upper
61	100		
96	65.2	51.8	77.8
98	41.1	32.9	49.3

Manual Integrations
 APPROVED

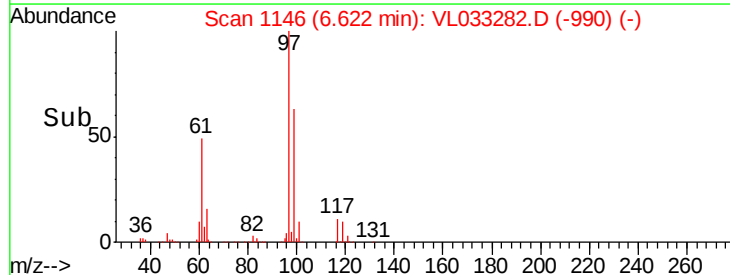
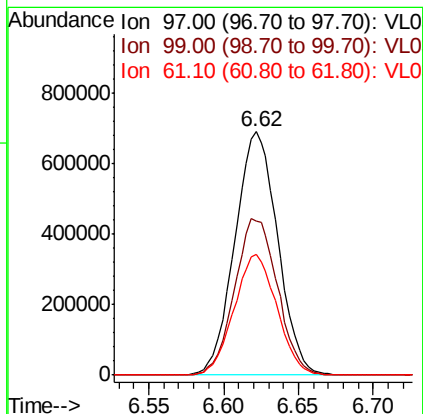
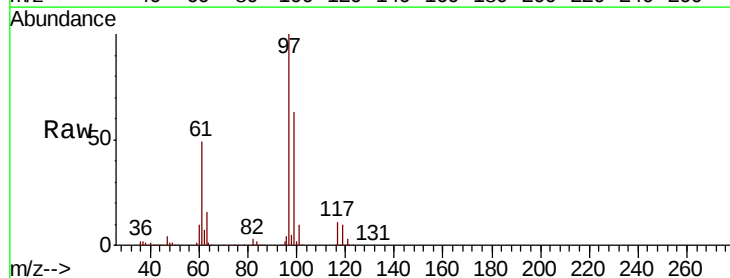
MMDadoda
 3/14/2019 5:05:58 AM

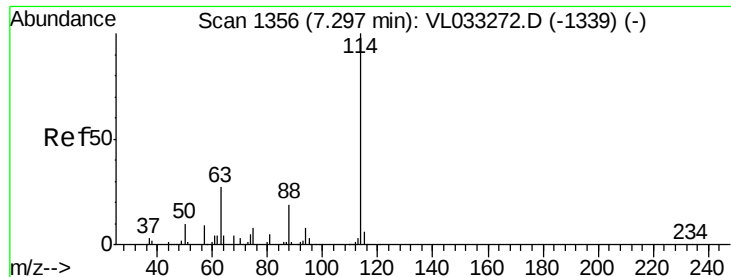


#32

1,1,1-Trichloroethane
 Concen: 9.488 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Tgt Ion:	97	Resp:	1374248
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	49.7	39.7	59.5





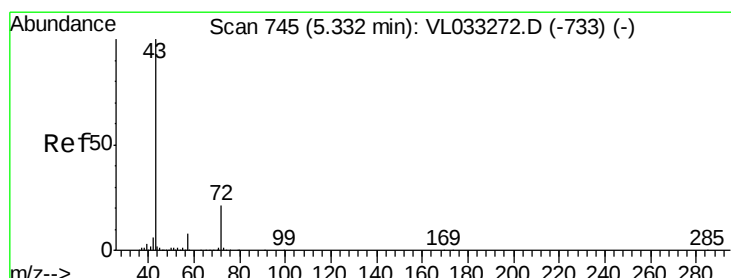
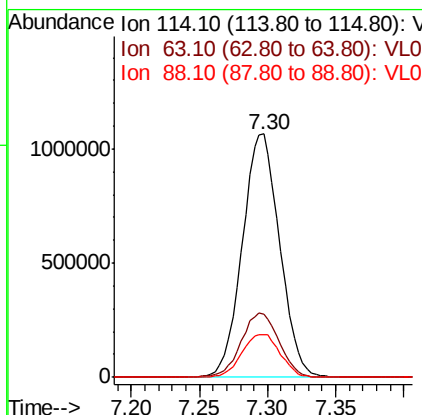
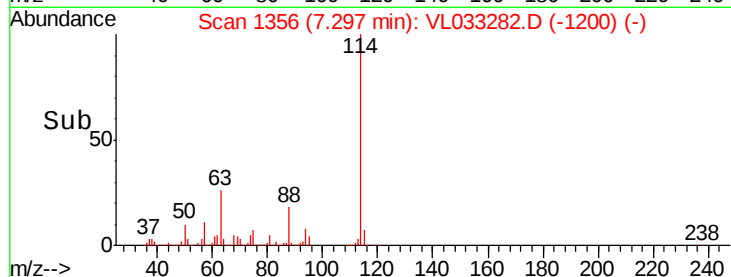
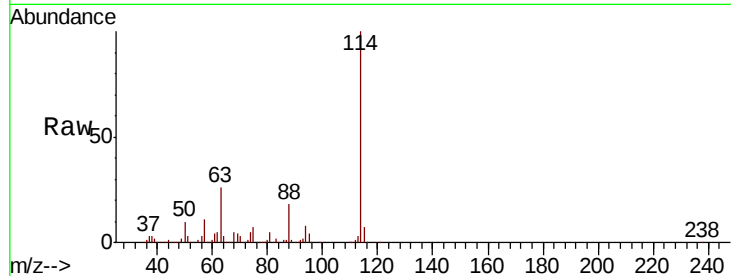
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.5	32.3
88	18.2	14.6	22.0

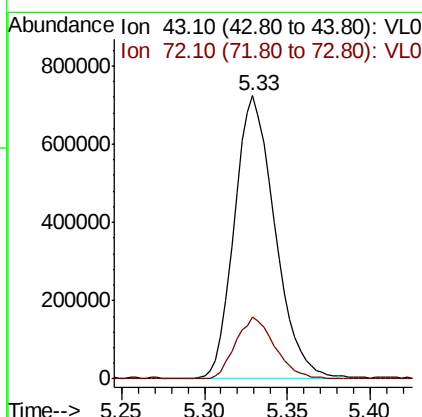
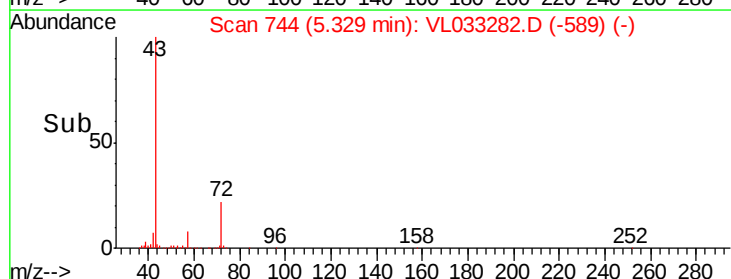
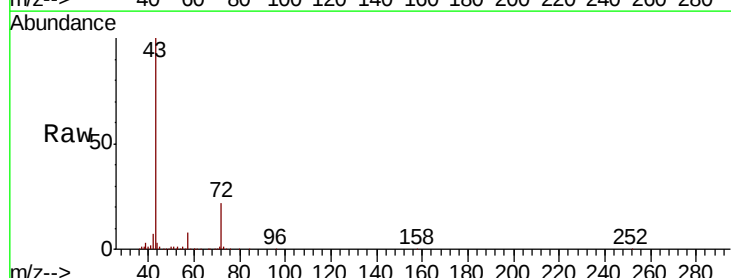
Manual Integrations
 APPROVED

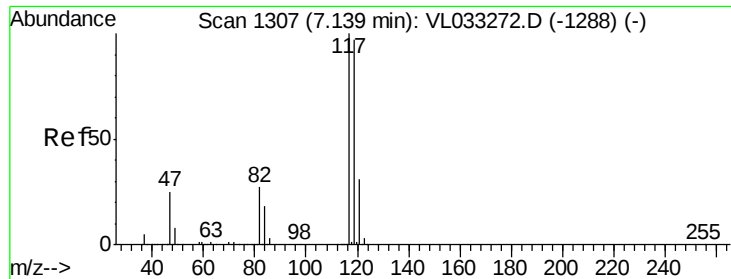
MMDadoda
 3/14/2019 5:05:58 AM



#34
 2-Butanone
 Concen: 9.184 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.0	25.6





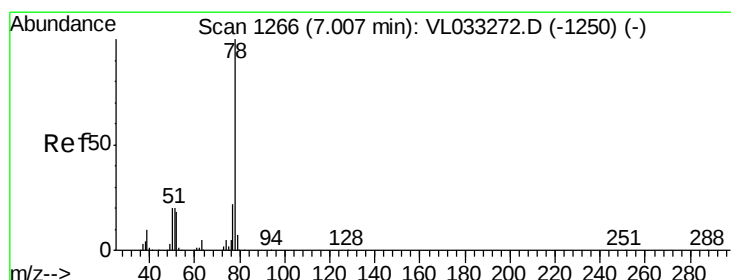
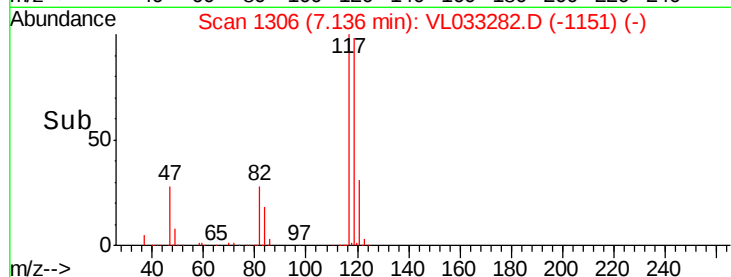
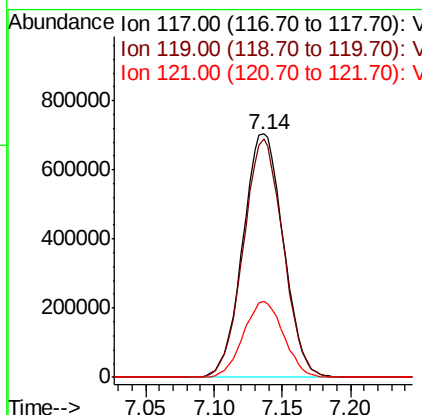
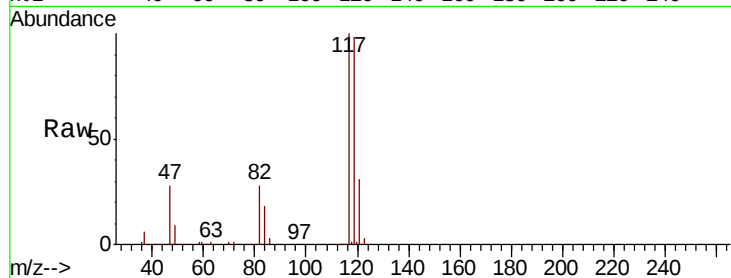
#35
Carbon Tetrachloride
Concen: 9.816 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion: 117 Resp: 1452359
Ion Ratio Lower Upper
117 100
119 97.7 77.4 116.0
121 31.2 24.9 37.3

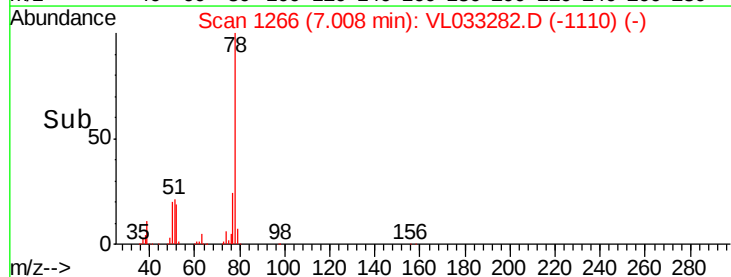
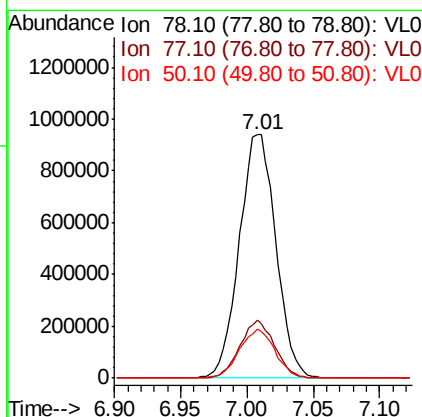
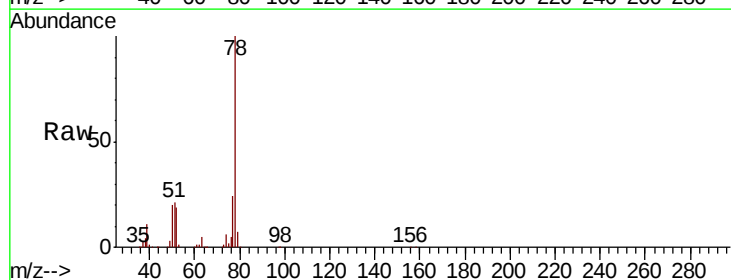
Manual Integrations
APPROVED

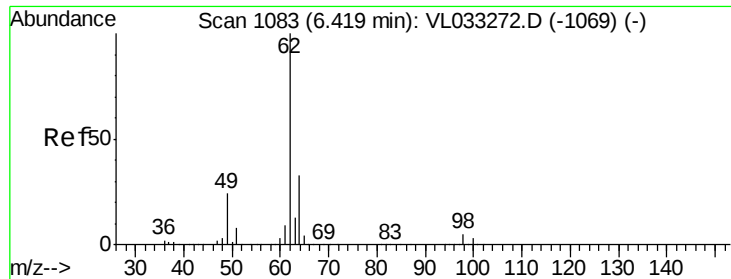
MMDadoda
3/14/2019 5:05:58 AM



#36
Benzene
Concen: 9.662 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 78 Resp: 1804528
Ion Ratio Lower Upper
78 100
77 23.7 17.7 26.5
50 20.3 15.7 23.5





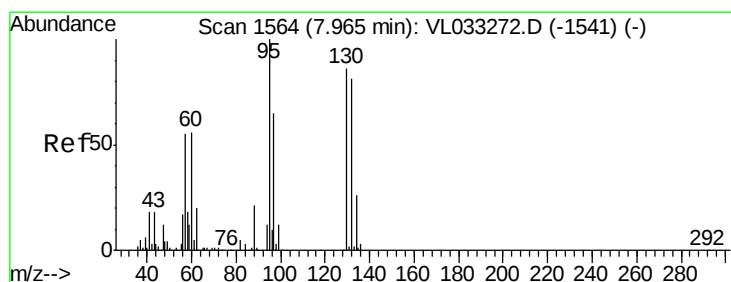
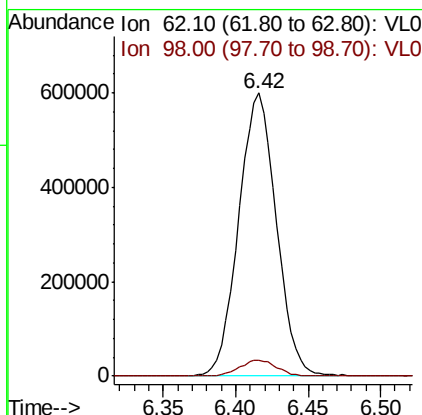
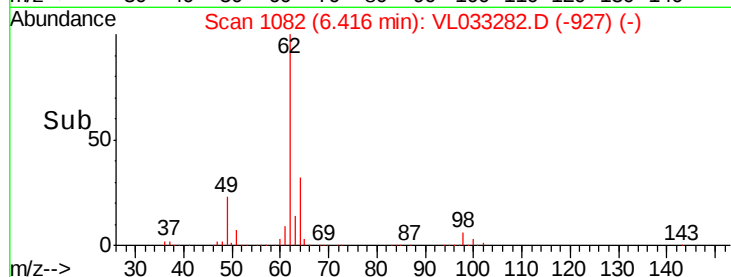
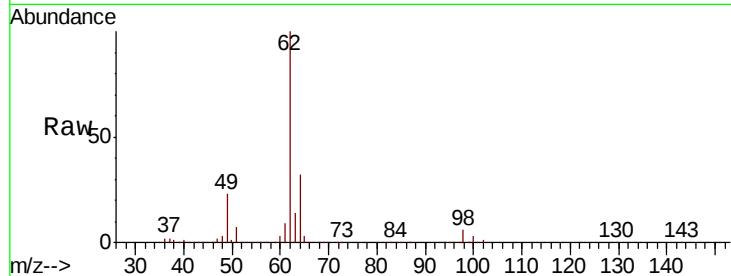
#37
 1,2-Dichloroethane
 Concen: 9.651 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. -0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Tgt Ion: 62 Resp: 1081046
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7

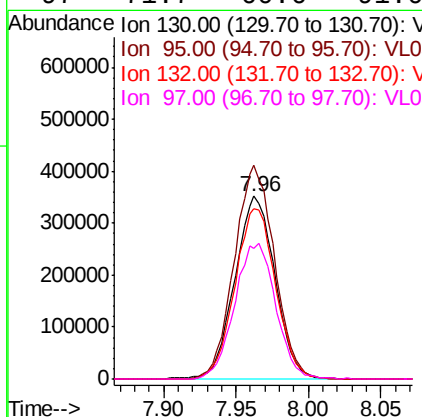
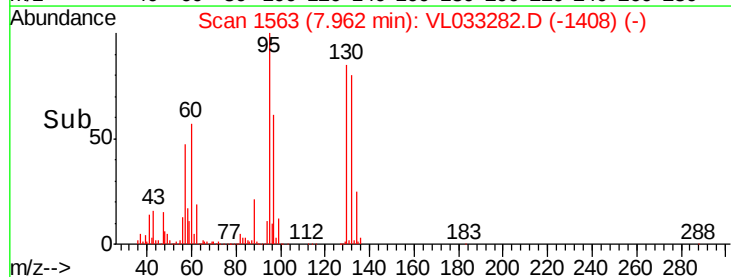
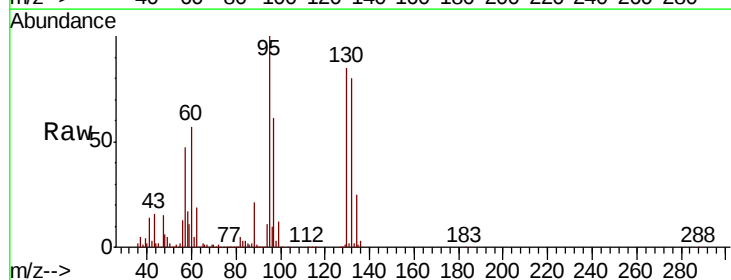
Manual Integrations
 APPROVED

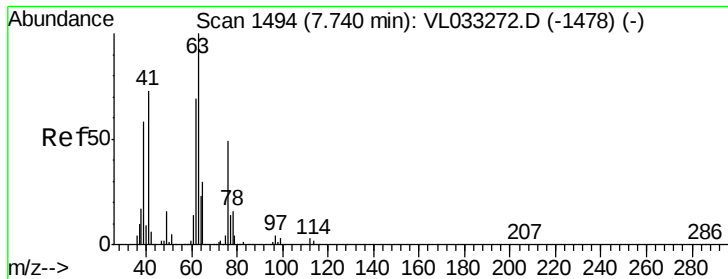
MMDadoda
 3/14/2019 5:05:58 AM



#38
 Trichloroethene
 Concen: 9.239 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Tgt Ion: 130 Resp: 672592
 Ion Ratio Lower Upper
 130 100
 95 117.1 93.3 139.9
 132 93.4 75.4 113.2
 97 71.7 60.6 91.0





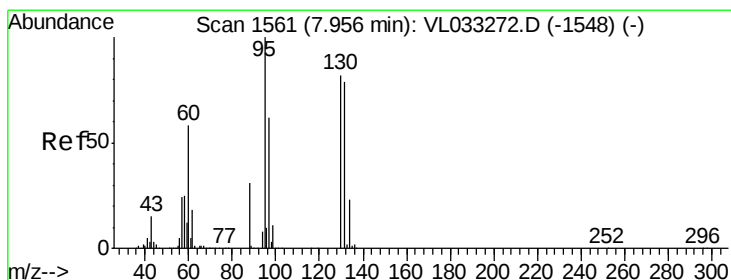
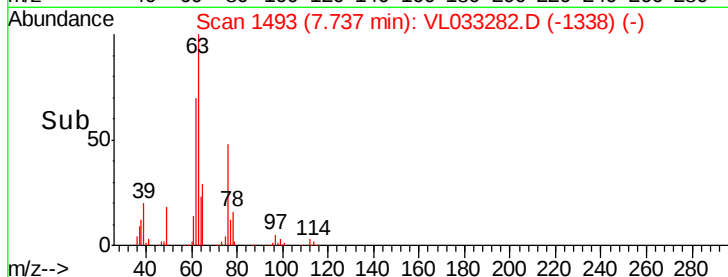
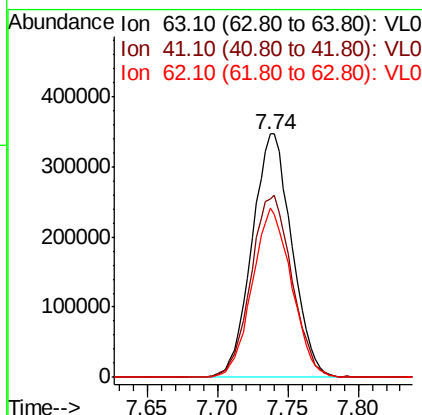
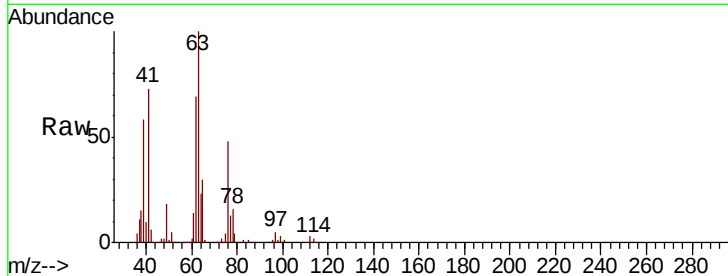
#39
 1,2-Dichloropropane
 Concen: 9.740 ppbv
 RT: 7.74 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
41	72.9	58.3	87.5
62	69.5	55.3	82.9

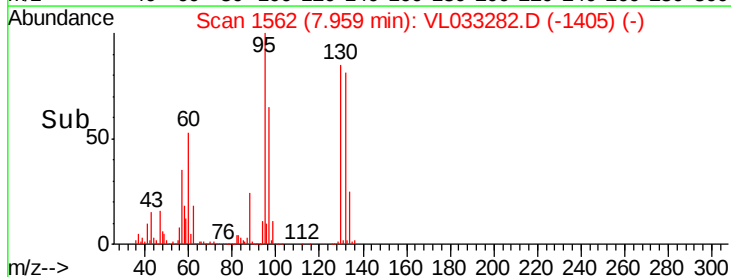
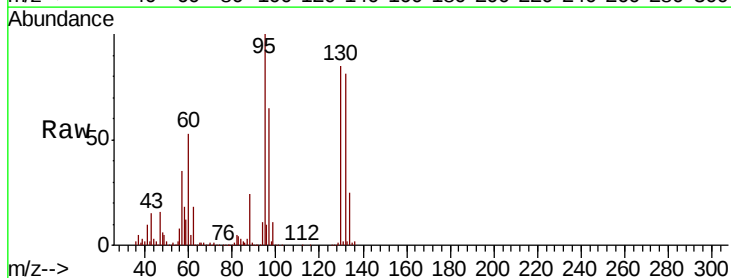
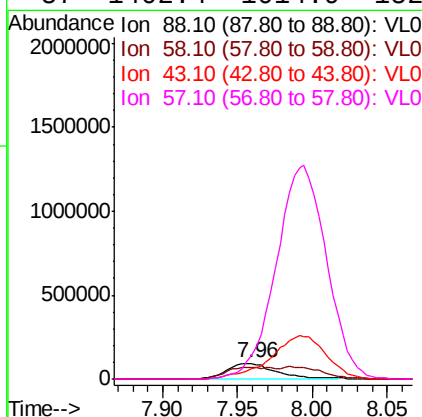
Manual Integrations
 APPROVED

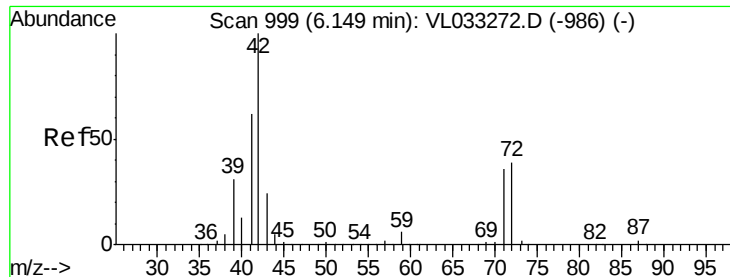
MMDadoda
 3/14/2019 5:05:58 AM



#40
 1,4-Dioxane
 Concen: 8.020 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
88	100		
58	138.5	107.0	160.6
43	312.3	230.2	345.4
57	1402.4	1014.9	1522.3





#41

Tetrahydrofuran

Concen: 9.557 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

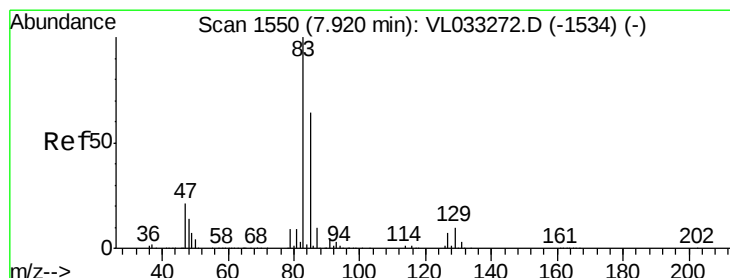
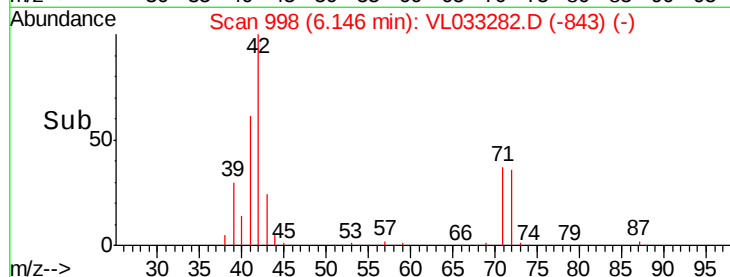
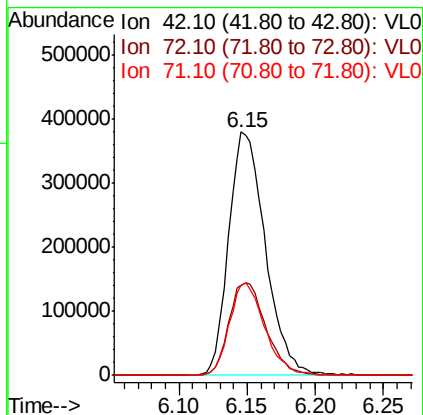
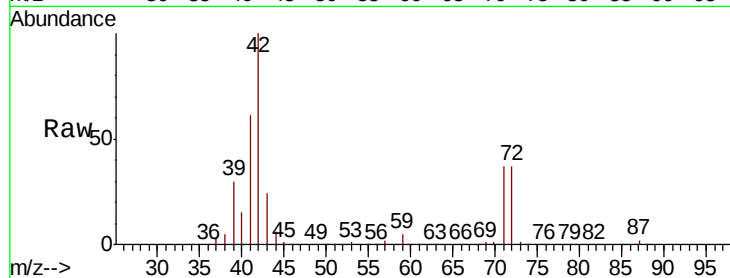
ClientSampleId :

VL0312ABS01

Tgt Ion:	42	Resp:	710552
Ion	Ratio	Lower	Upper
42	100		
72	38.5	30.6	46.0
71	36.6	29.7	44.5

Manual Integrations
APPROVED

MMDadoda
3/14/2019 5:05:58 AM



#42

Bromodichloromethane

Concen: 10.132 ppbv

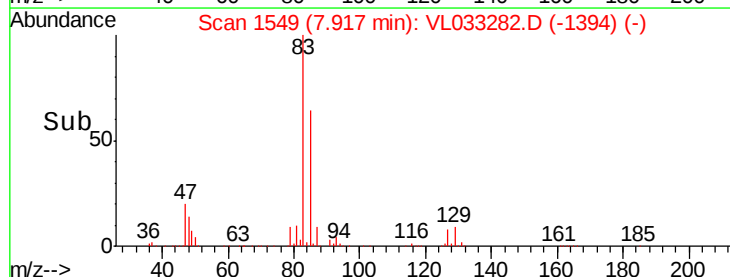
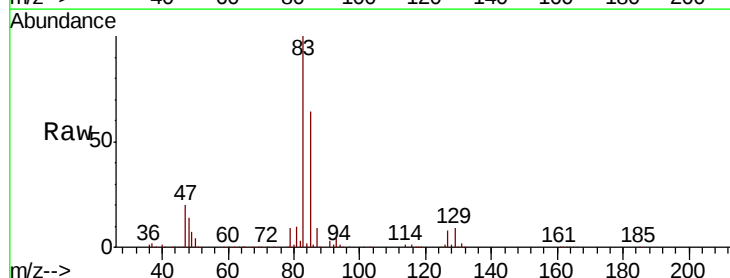
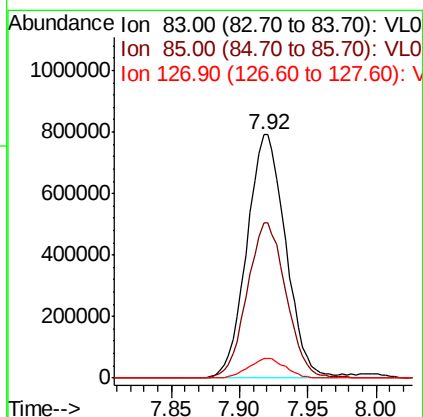
RT: 7.92 min Scan# 1549

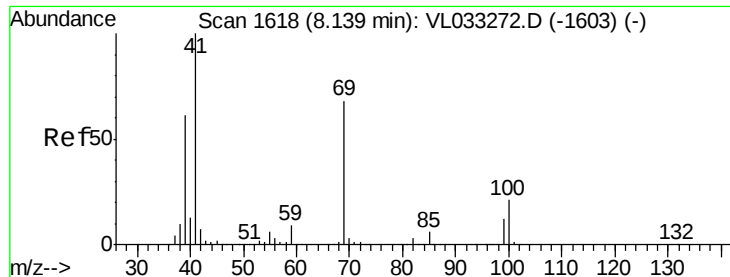
Delta R.T. -0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Tgt Ion:	83	Resp:	1562426
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4
127	8.0	6.0	9.0





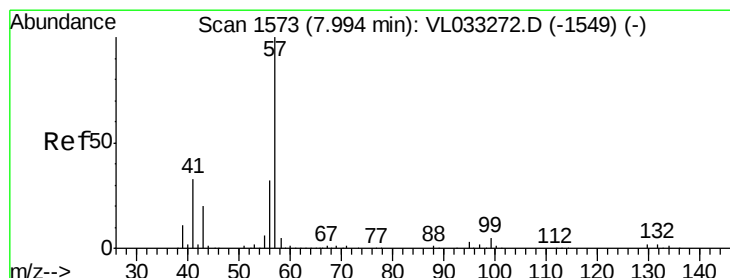
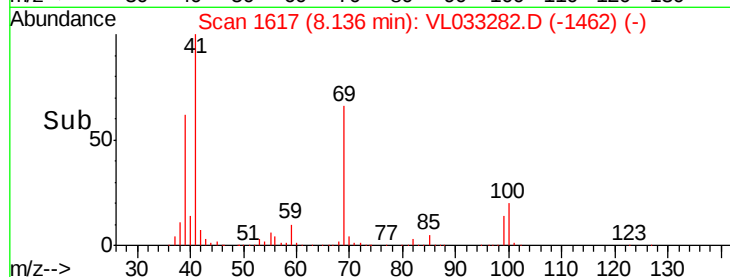
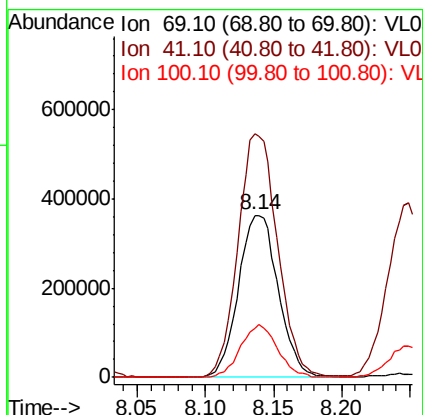
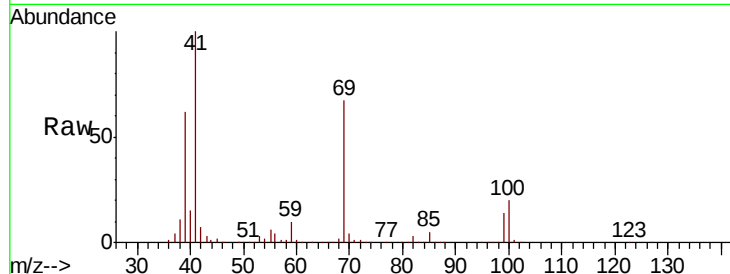
#43
Methyl Methacrylate
Concen: 10.102 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	149.4	121.0	181.4
100	30.3	24.4	36.6

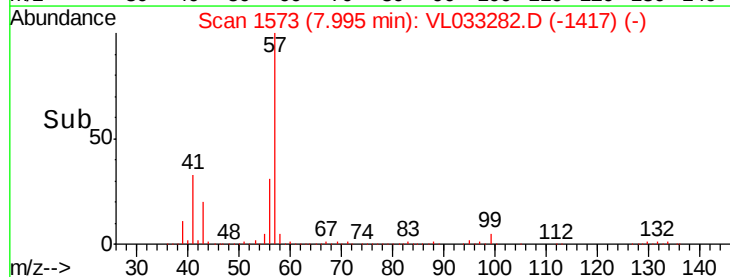
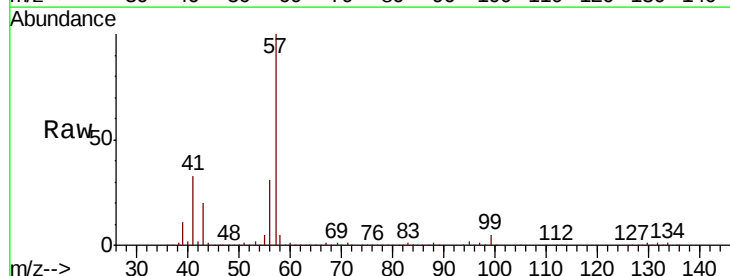
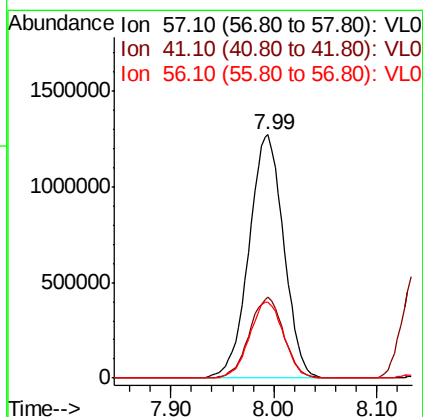
Manual Integrations
APPROVED

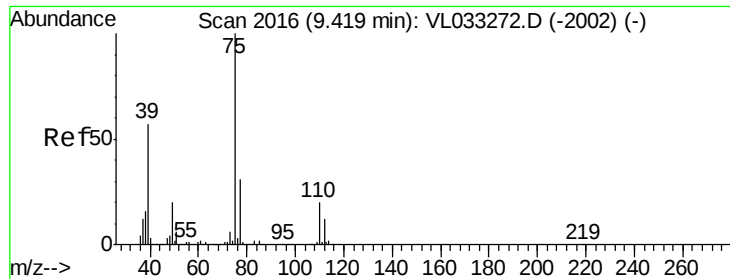
MMDadoda
3/14/2019 5:05:58 AM



#44
2,2,4-Trimethylpentane
Concen: 9.376 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.6	26.2	39.2
56	30.8	24.8	37.2





#45

t-1,3-Dichloropropene

Concen: 11.172 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

ClientSampleId :

VL0312ABS01

Tgt Ion: 75 Resp: 999743

Ion Ratio Lower Upper

75 100

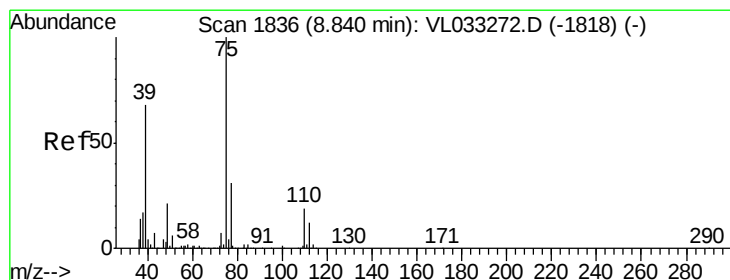
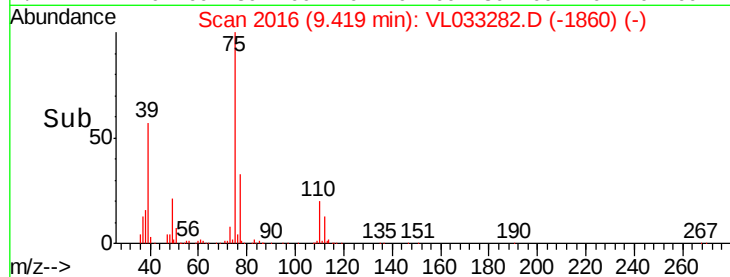
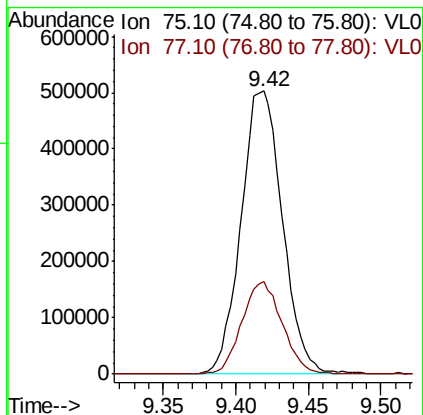
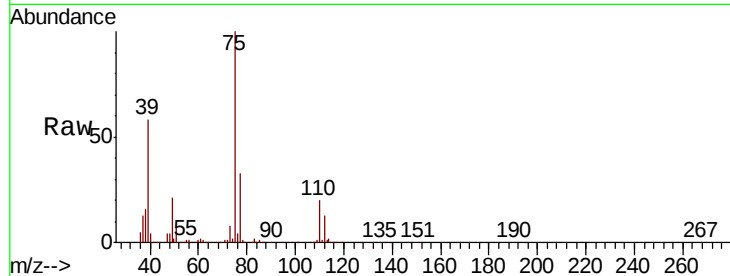
77 32.9 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

3/14/2019 5:05:58 AM



#46

cis-1,3-Dichloropropene

Concen: 10.754 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

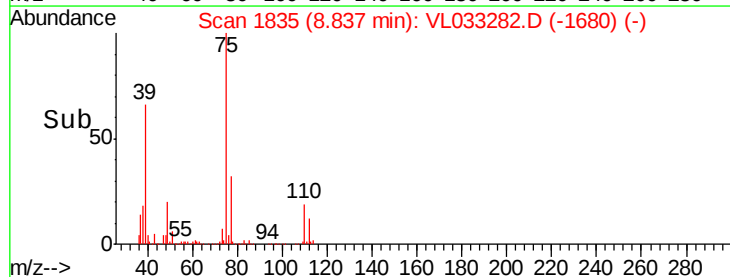
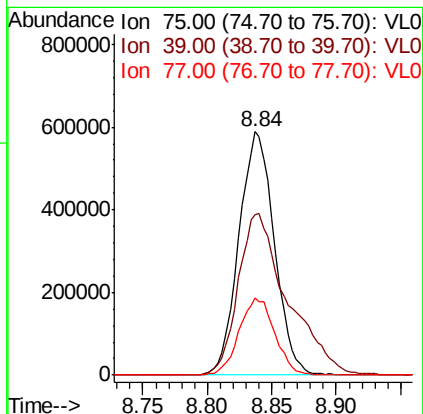
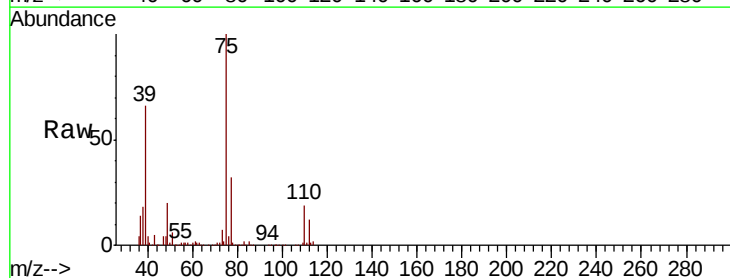
Tgt Ion: 75 Resp: 1127980

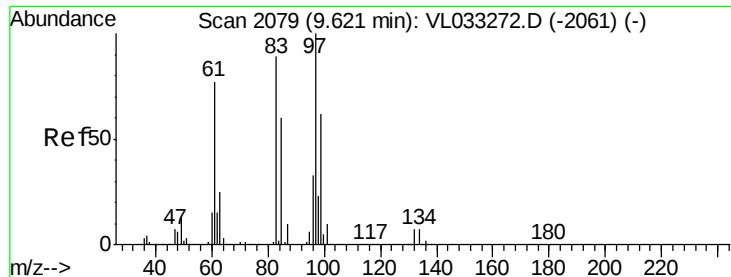
Ion Ratio Lower Upper

75 100

39 65.8 54.2 81.2

77 31.8 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.789 ppbv

RT: 9.62 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

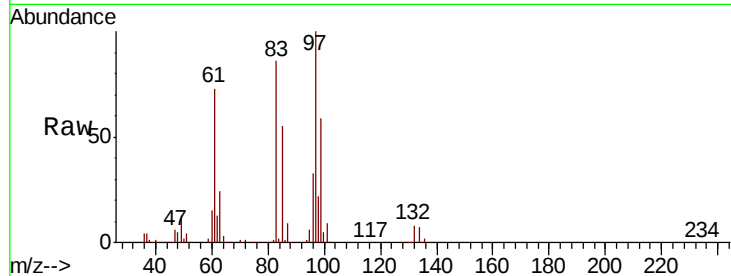
ClientSampleId :

VL0312ABS01

Tgt Ion:	97	Resp:	734656
Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	55.2	48.2	72.4
99	59.4	49.3	73.9

Manual Integrations
APPROVED

MMDadoda
3/14/2019 5:05:58 AM



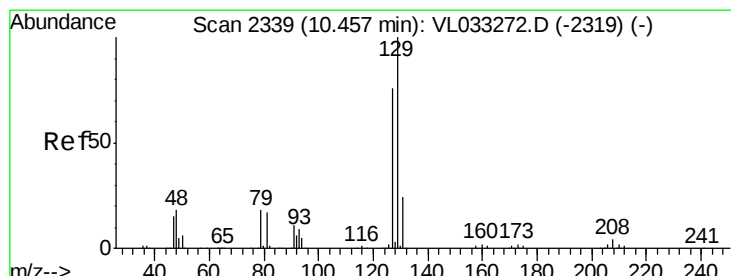
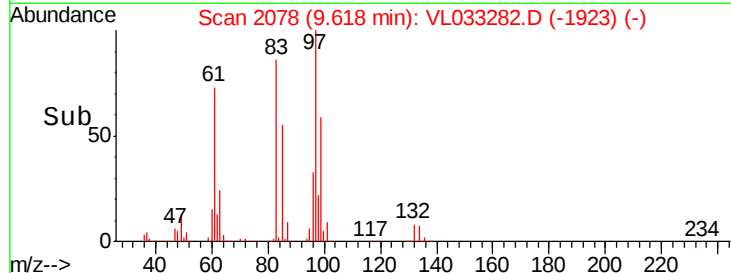
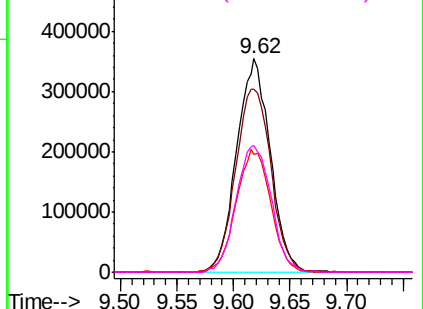
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.578 ppbv

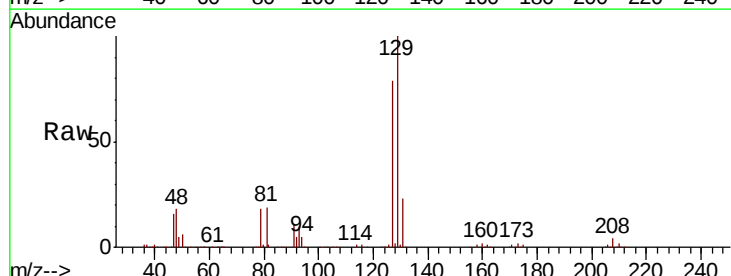
RT: 10.45 min Scan# 2338

Delta R.T. -0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

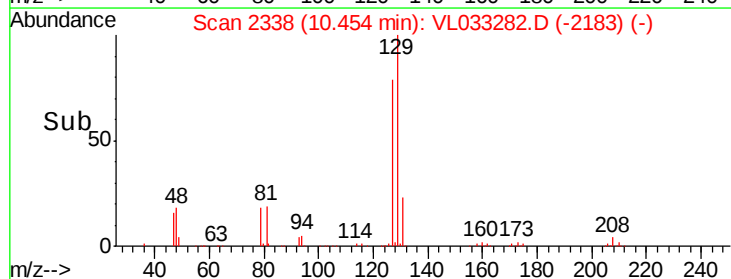
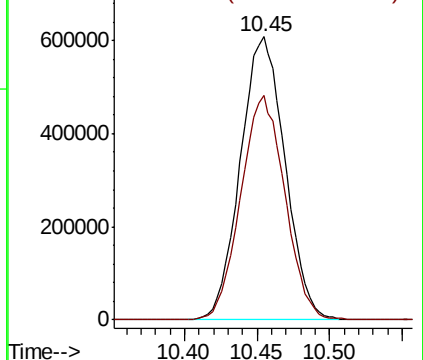
Tgt Ion:	129	Resp:	1301644
Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.9	116.6

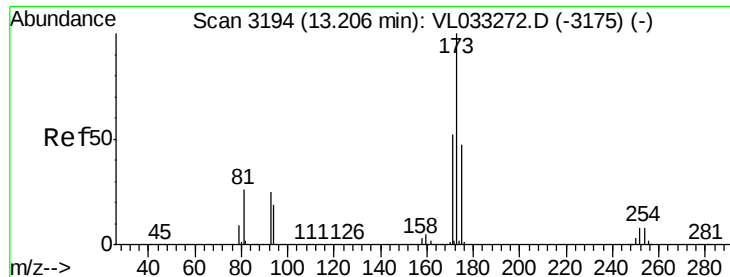


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.565 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

ClientSampleId :

VL0312ABS01

Tgt Ion:173 Resp: 1153487

Ion Ratio Lower Upper

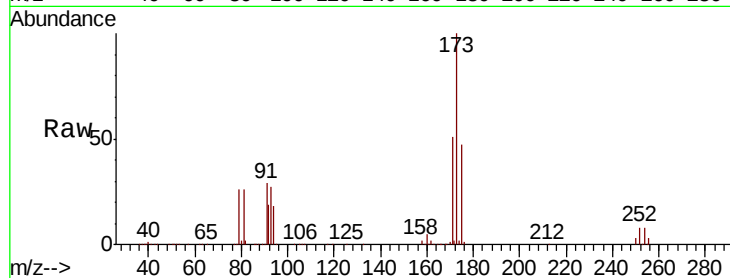
173 100

175 47.7 39.0 58.6

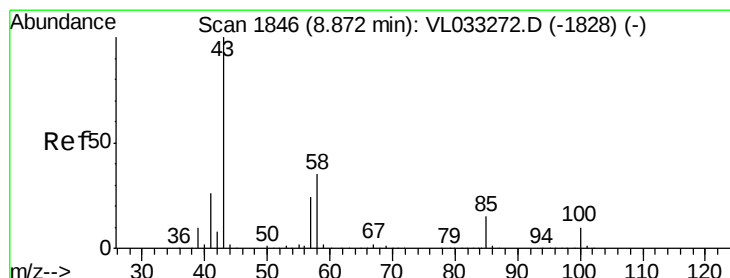
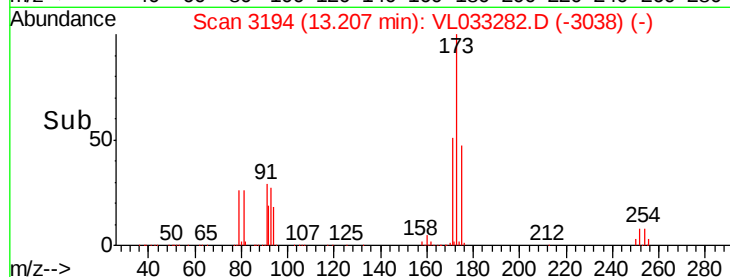
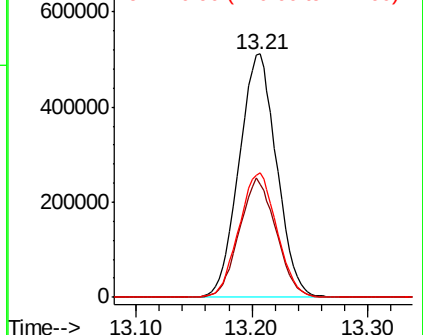
171 51.6 41.2 61.8

Manual Integrations
APPROVED

MMDadoda
3/14/2019 5:05:58 AM



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.710 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL033282.D

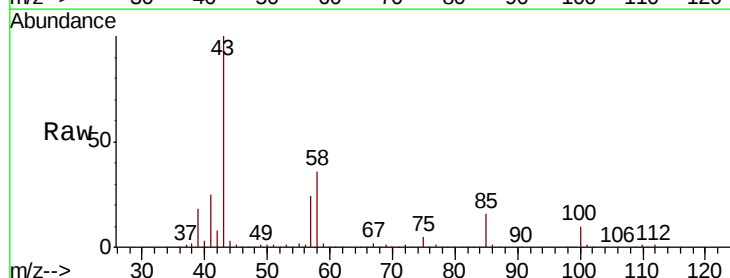
Acq: 12 Mar 2019 13:09

Tgt Ion: 43 Resp: 1855785

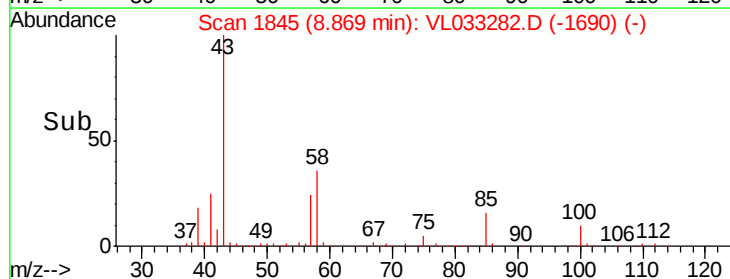
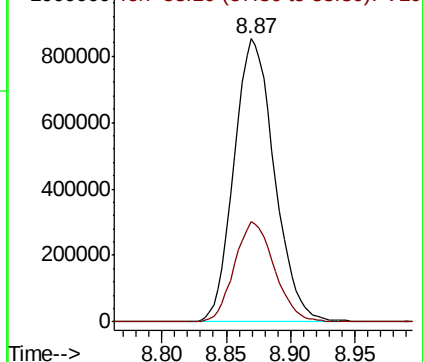
Ion Ratio Lower Upper

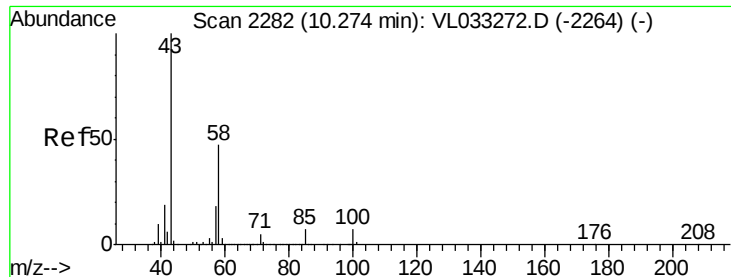
43 100

58 35.2 28.0 42.0



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





#51

2-Hexanone

Concen: 10.062 ppbv

RT: 10.27 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

ClientSampleId :

VL0312ABS01

Tgt Ion: 43 Resp: 1467860

Ion Ratio Lower Upper

43 100

58 47.7 38.1 57.1

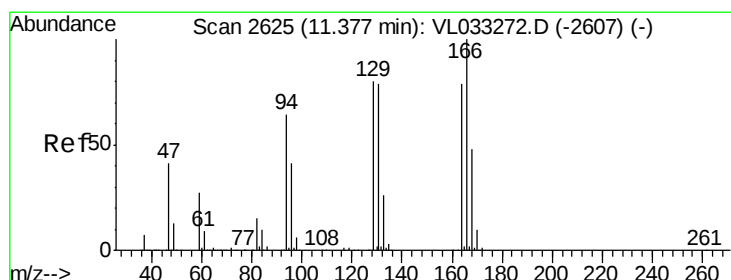
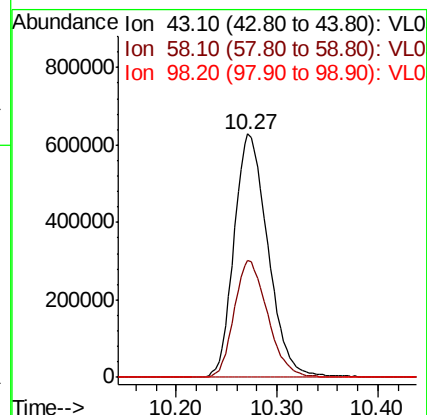
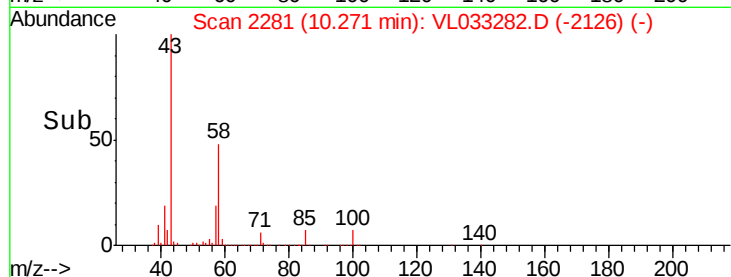
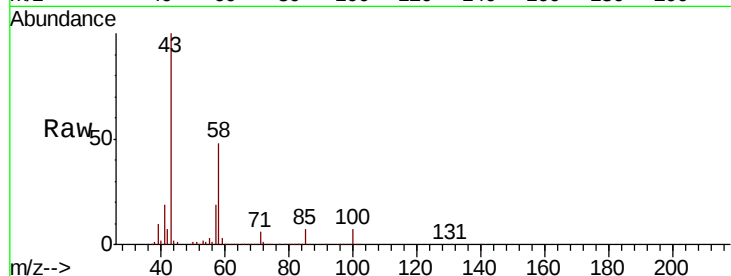
98 0.2 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

3/14/2019 5:05:58 AM



#52

Tetrachloroethene

Concen: 9.585 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Tgt Ion: 164 Resp: 656239

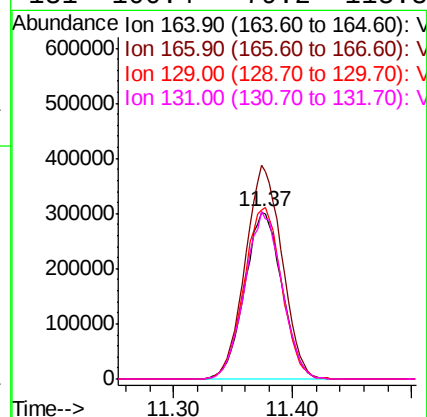
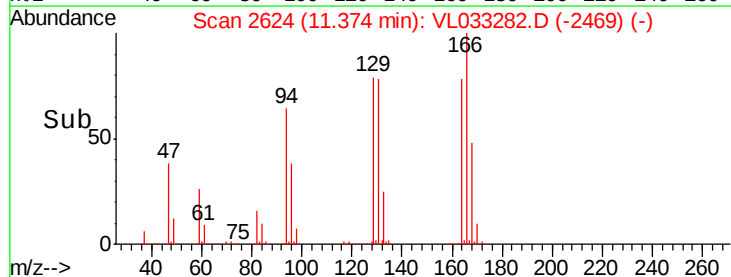
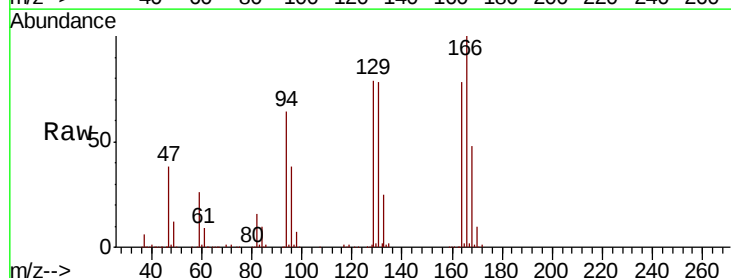
Ion Ratio Lower Upper

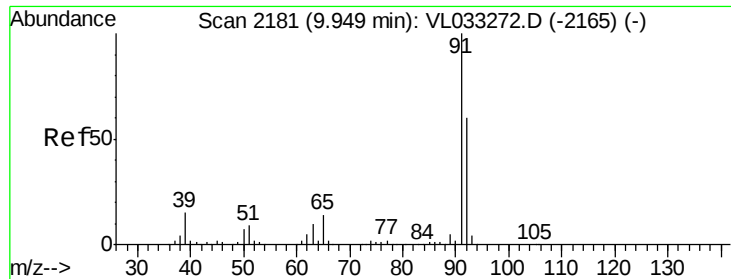
164 100

166 128.1 100.8 151.2

129 101.6 80.6 121.0

131 100.4 79.2 118.8





#53

Toluene

Concen: 9.766 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

ClientSampleId :

VL0312ABS01

Tgt Ion: 91 Resp: 2102339

Ion Ratio Lower Upper

91 100

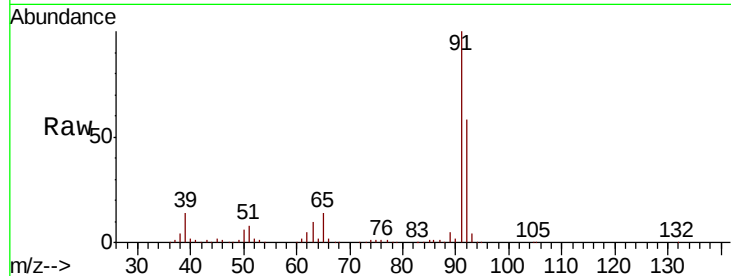
92 59.5 47.8 71.8

Manual Integrations

APPROVED

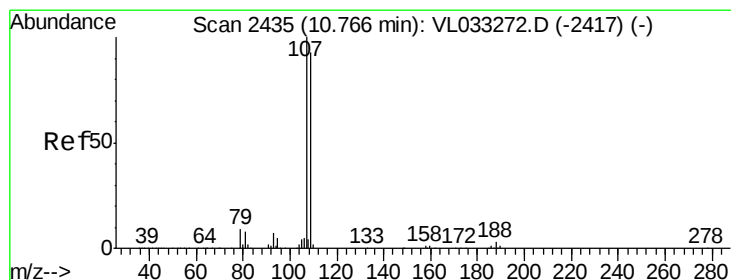
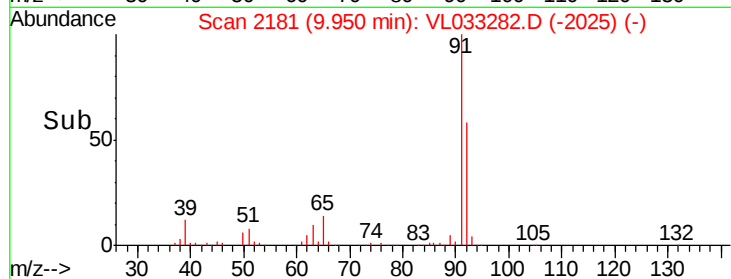
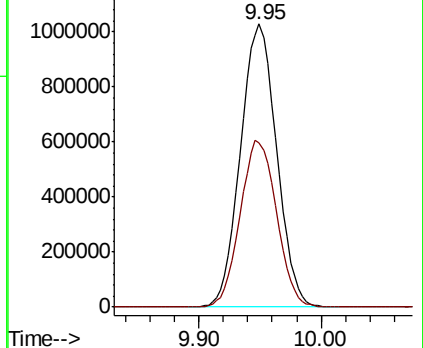
MMDadoda

3/14/2019 5:05:58 AM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.088 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033282.D

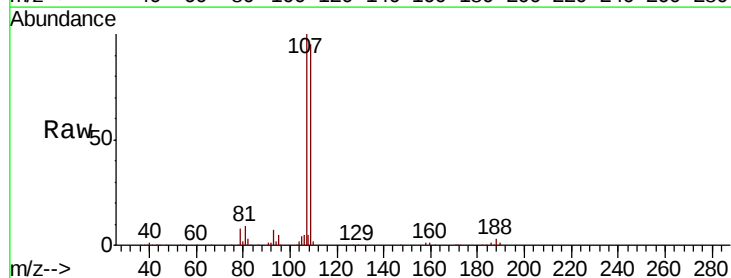
Acq: 12 Mar 2019 13:09

Tgt Ion:107 Resp: 1163663

Ion Ratio Lower Upper

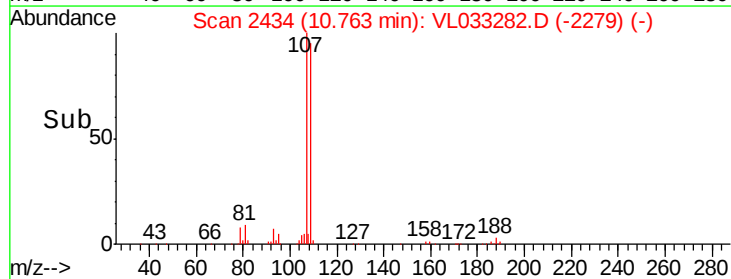
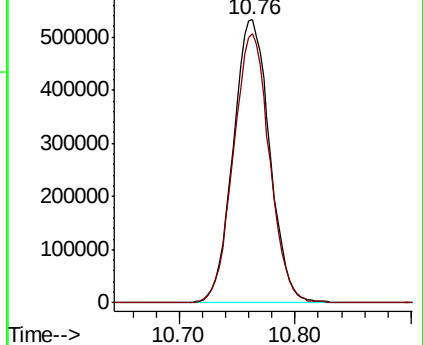
107 100

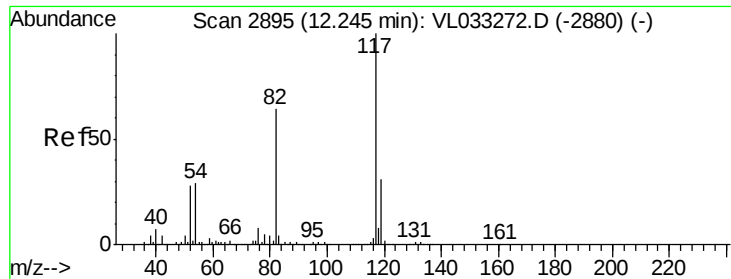
109 95.1 74.2 111.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





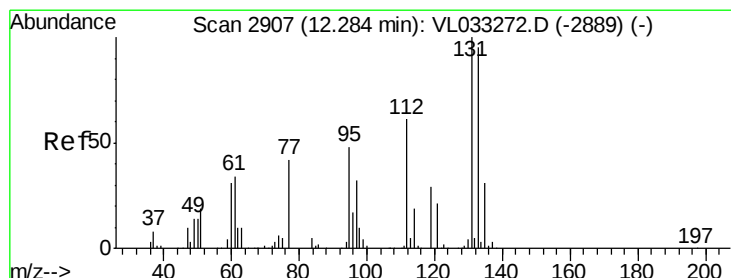
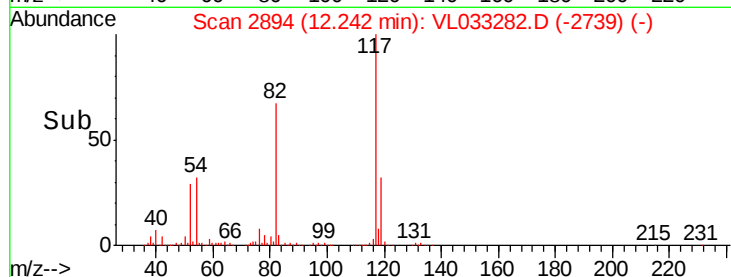
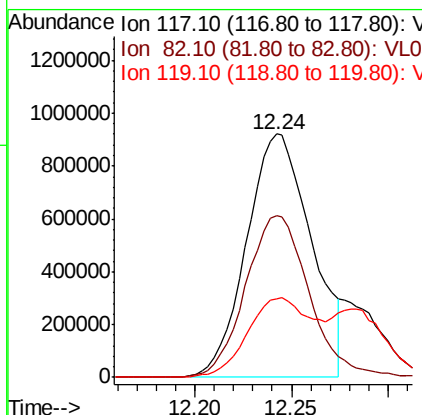
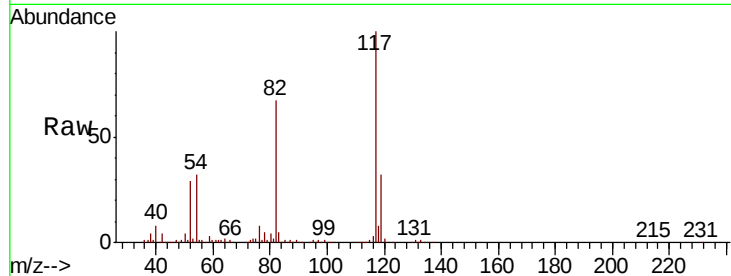
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion:117 Resp: 2160503
Ion Ratio Lower Upper
117 100
82 65.5 51.1 76.7
119 33.5 43.6 65.4#

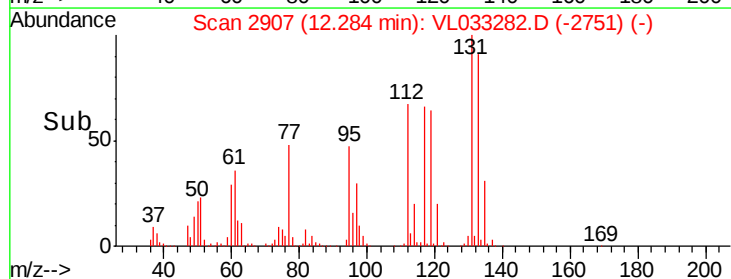
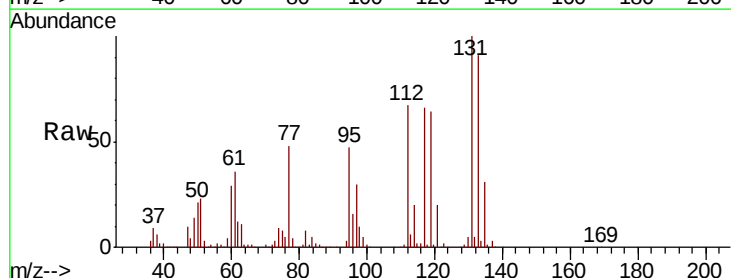
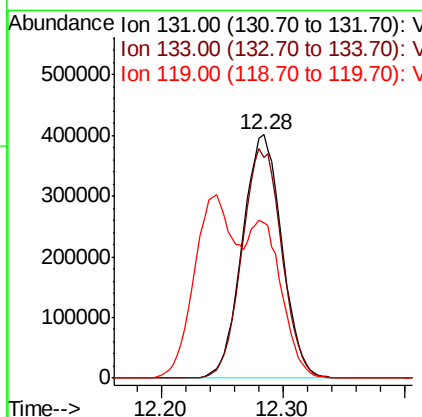
Manual Integrations
APPROVED

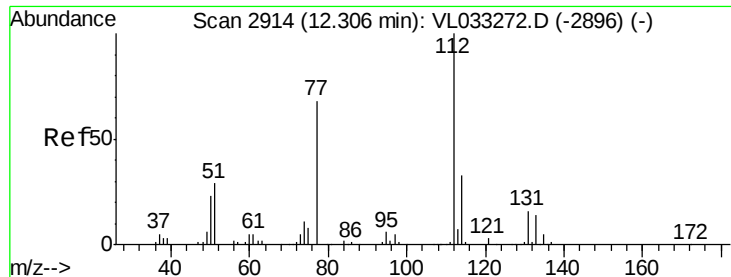
MMDadoda
3/14/2019 5:05:58 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.749 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:131 Resp: 895291
Ion Ratio Lower Upper
131 100
133 95.5 76.2 114.4
119 59.3 110.3 165.5#





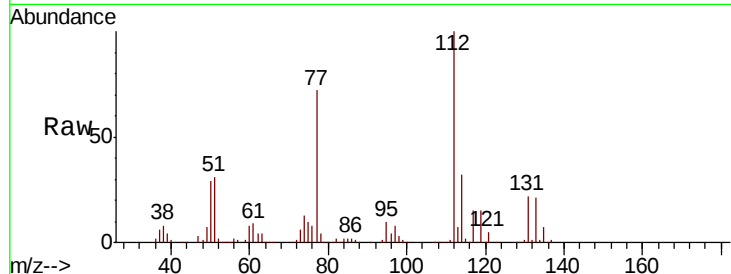
#57
Chlorobenzene
Concen: 9.402 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

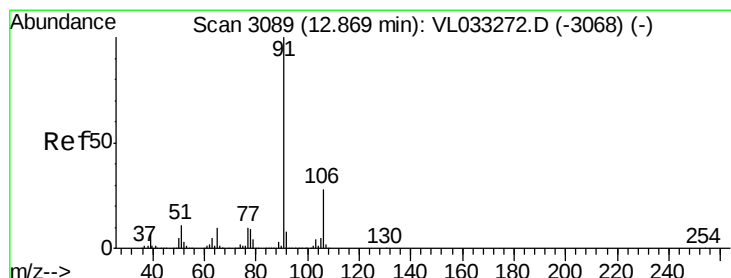
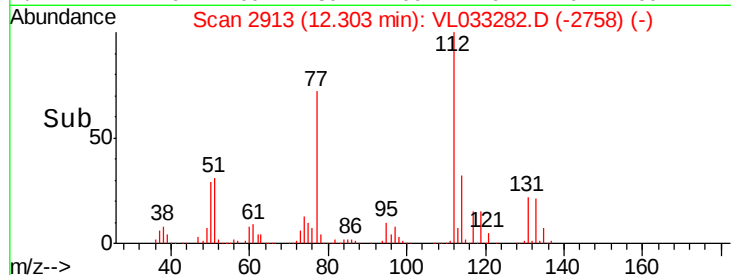
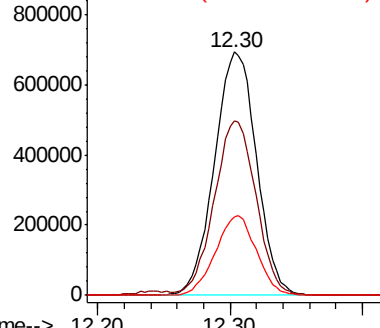
Tgt Ion: 112 Resp: 1531929
Ion Ratio Lower Upper
112 100
77 71.5 55.8 83.8
114 32.3 29.5 36.1

Manual Integrations
APPROVED

MMDadoda
3/14/2019 5:05:58 AM

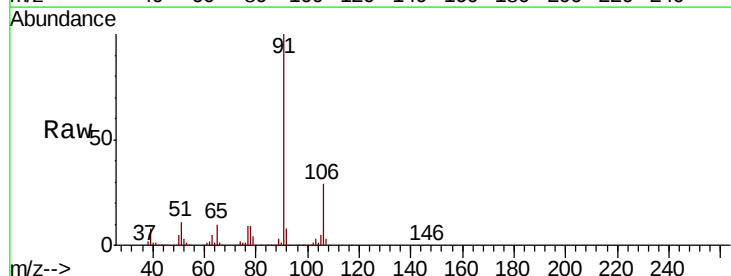


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

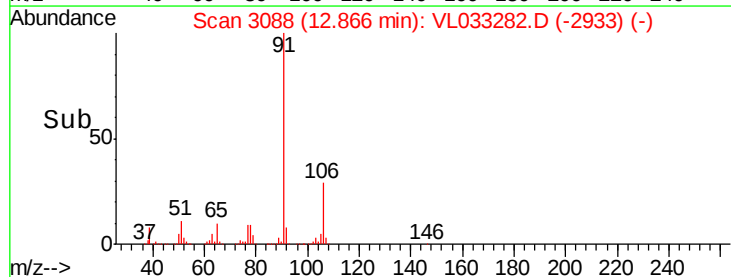
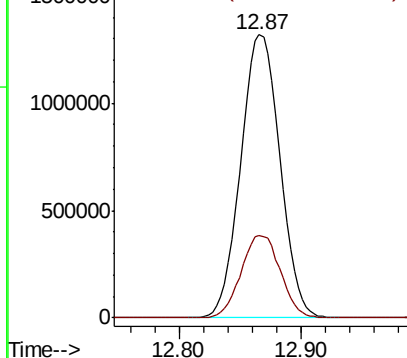


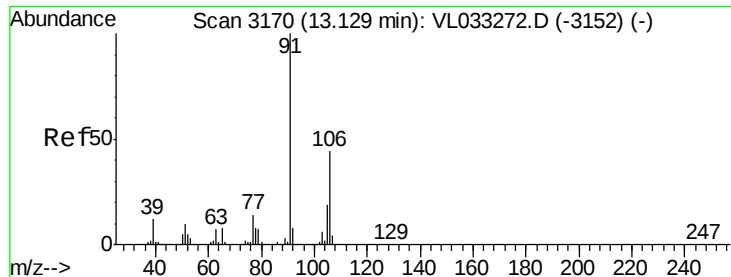
#58
Ethyl Benzene
Concen: 9.863 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 91 Resp: 2928414
Ion Ratio Lower Upper
91 100
106 29.3 22.5 33.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





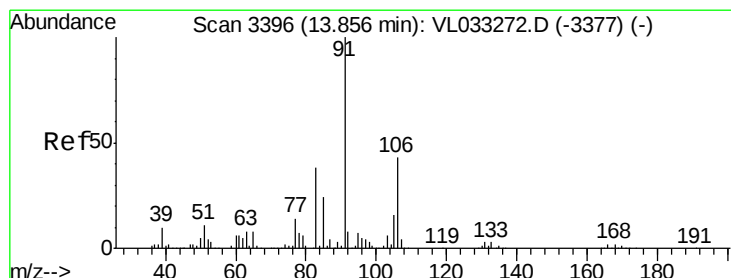
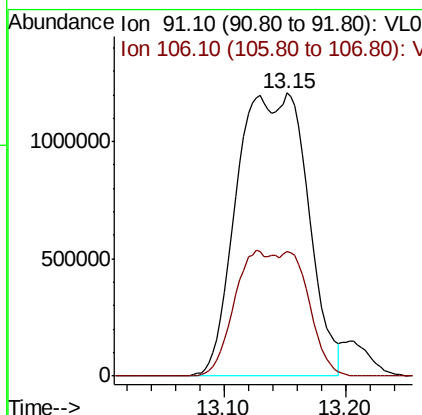
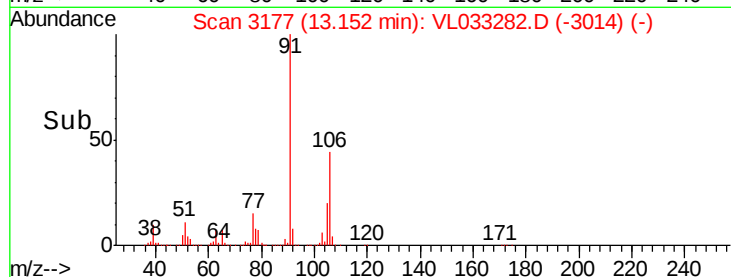
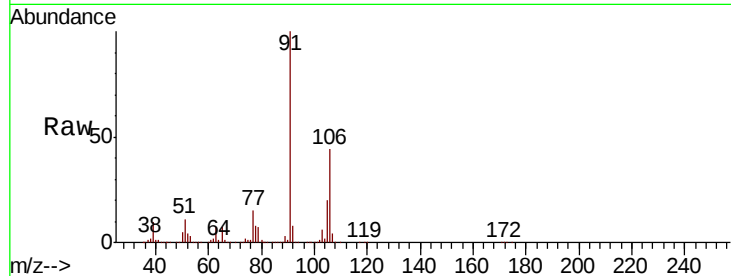
#59
m/p-Xylene
Concen: 19.607 ppbv m
RT: 13.15 min Scan# 3177
Delta R.T. 0.02 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampled :
VL0312ABS01

Tgt Ion: 91 Resp: 4868272
Ion Ratio Lower Upper
91 100
106 44.3 35.5 53.3

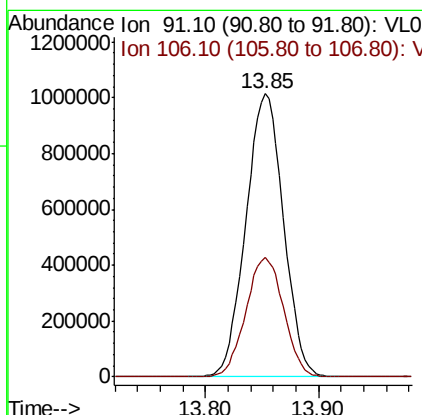
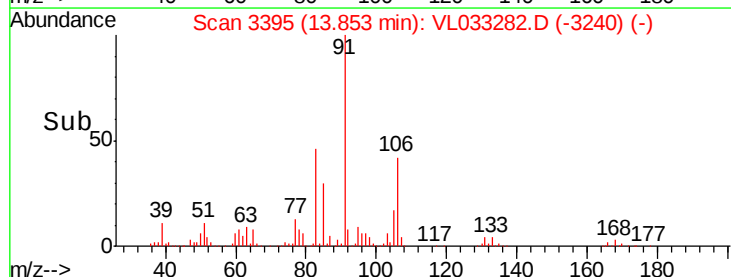
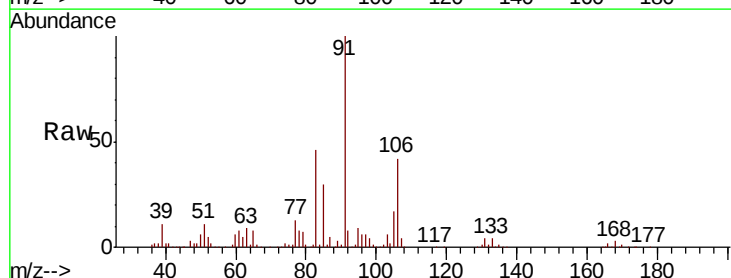
Manual Integrations
APPROVED

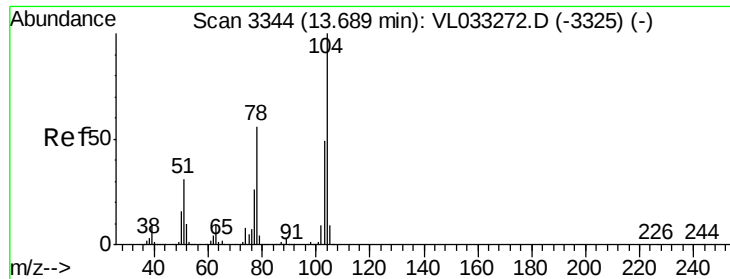
MMDadoda
3/14/2019 5:05:58 AM



#60
o-Xylene
Concen: 9.821 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 91 Resp: 2344335
Ion Ratio Lower Upper
91 100
106 42.4 21.3 63.7





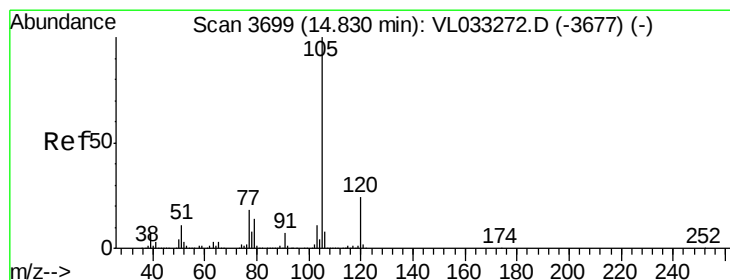
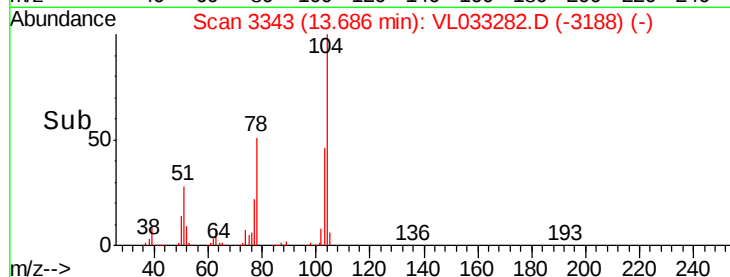
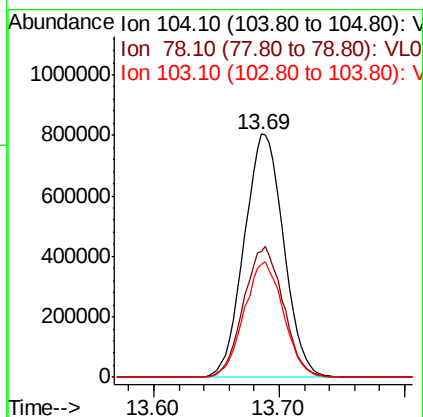
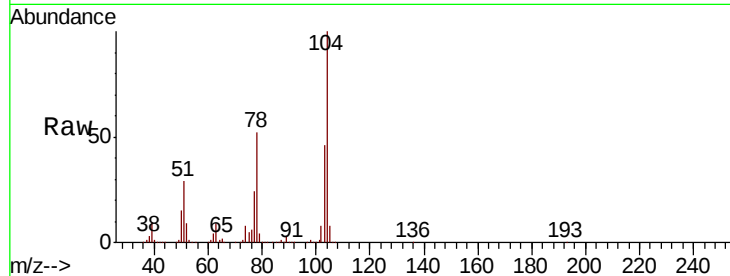
#61
Styrene
Concen: 10.375 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampled :
VL0312ABS01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.8	43.3	64.9
103	47.4	38.0	57.0

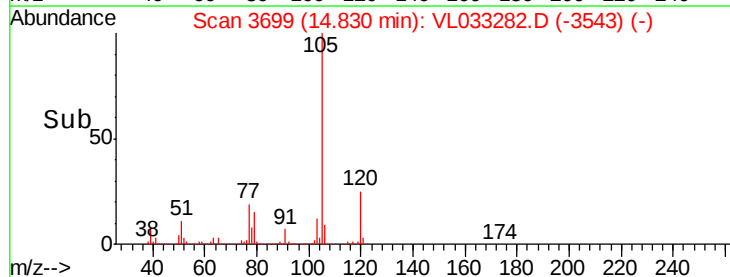
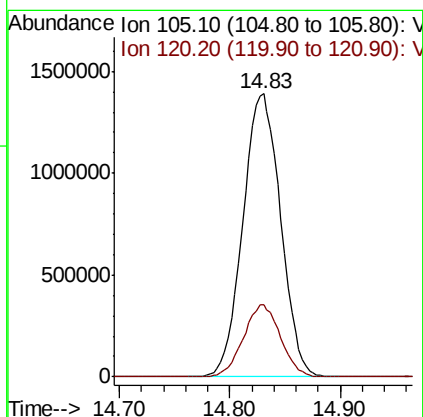
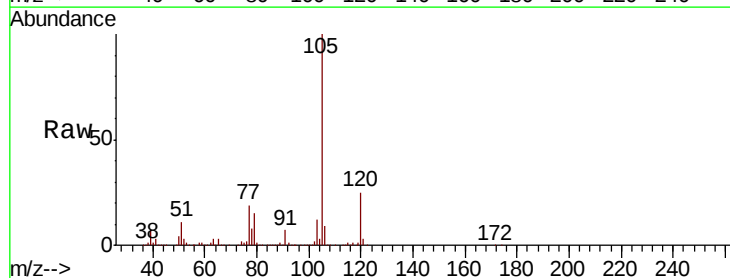
Manual Integrations
APPROVED

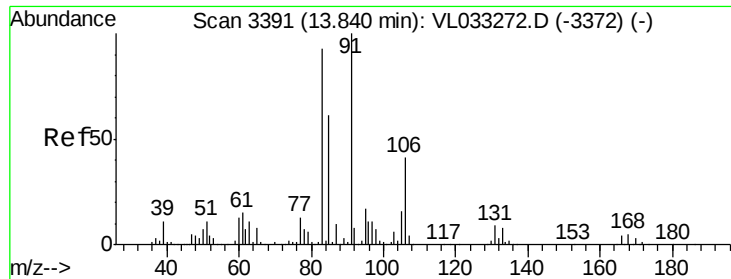
MMDadoda
3/14/2019 5:05:58 AM



#62
Isopropylbenzene
Concen: 9.883 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.0	30.0





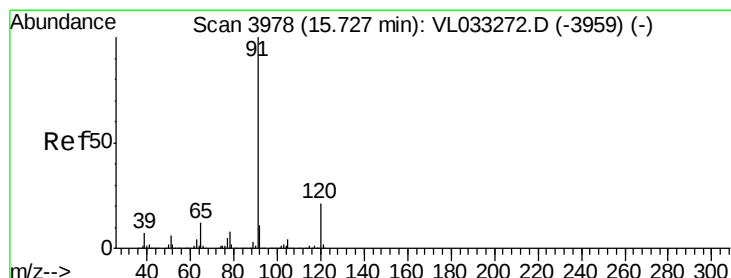
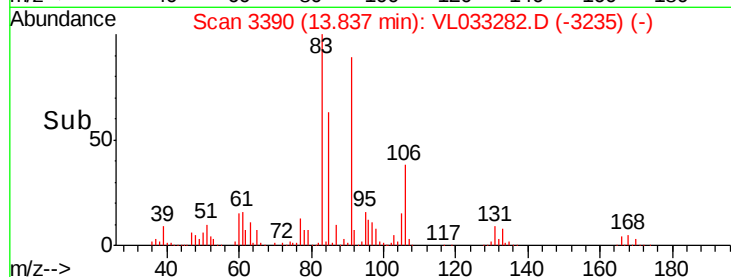
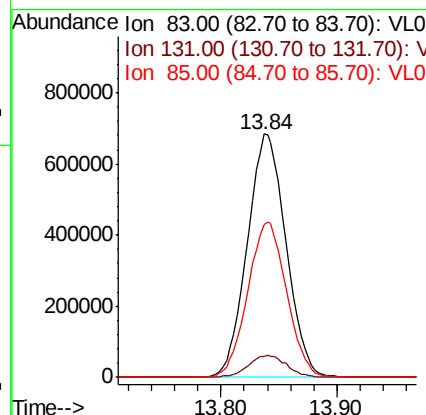
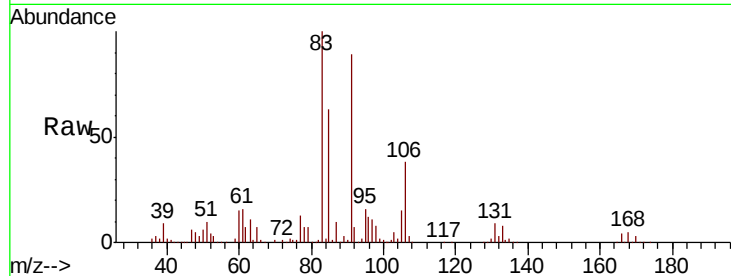
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.943 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Tgt Ion: 83 Resp: 1591009
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.5 13.7
 85 64.2 32.2 96.6

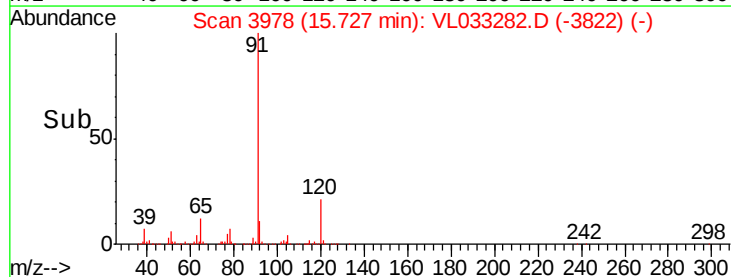
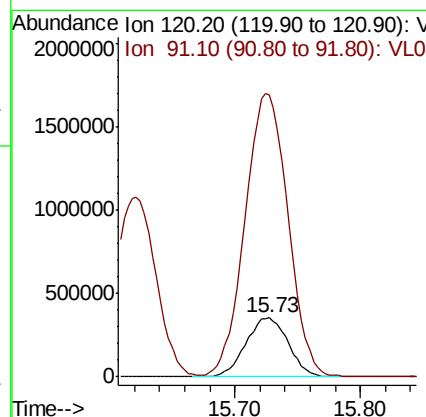
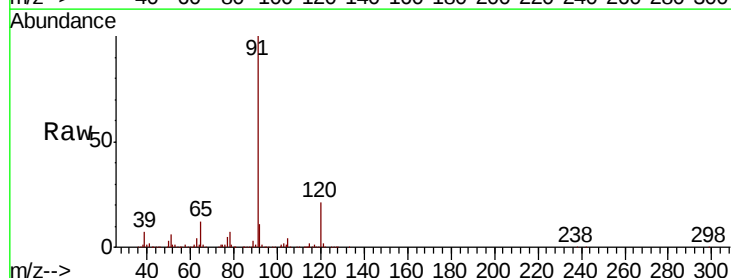
Manual Integrations
 APPROVED

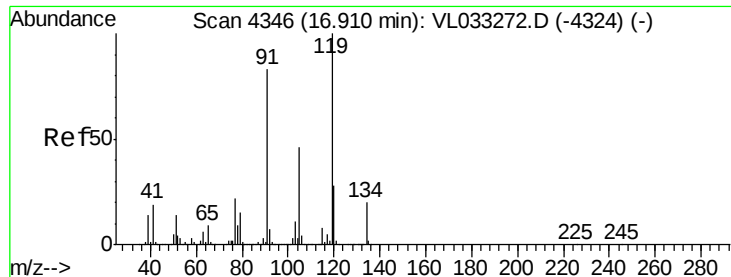
MMDadoda
 3/14/2019 5:05:58 AM



#64
 n-propylbenzene
 Concen: 10.196 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. 0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Tgt Ion: 120 Resp: 834442
 Ion Ratio Lower Upper
 120 100
 91 486.2 385.8 578.8





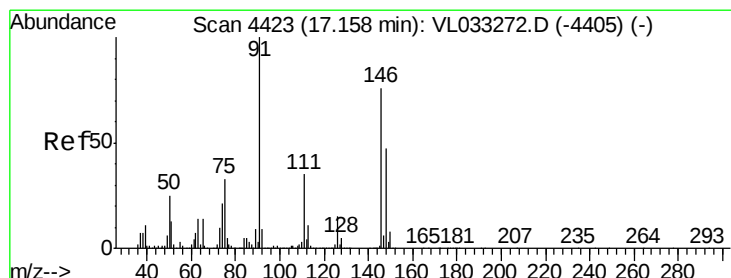
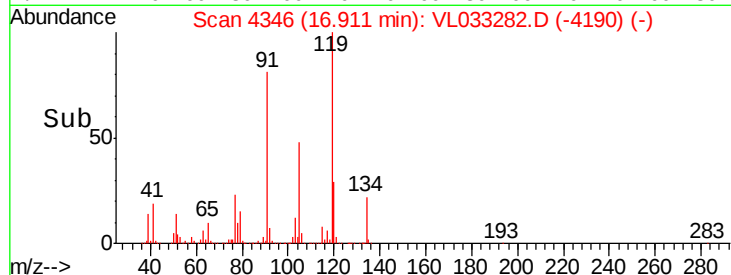
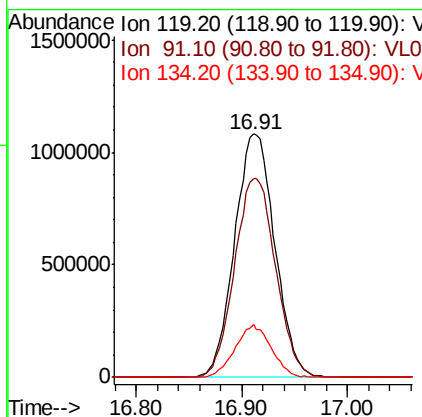
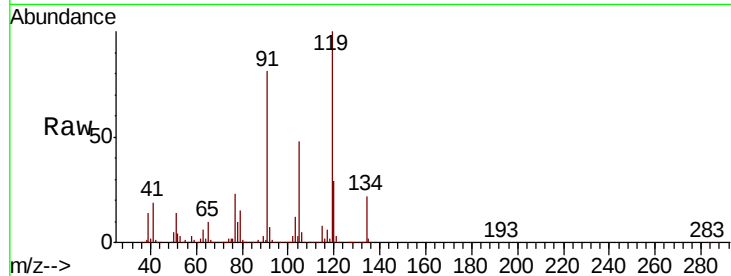
#65
 tert-Butylbenzene
 Concen: 10.206 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. 0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	83.5	67.3	100.9
134	19.5	15.4	23.2

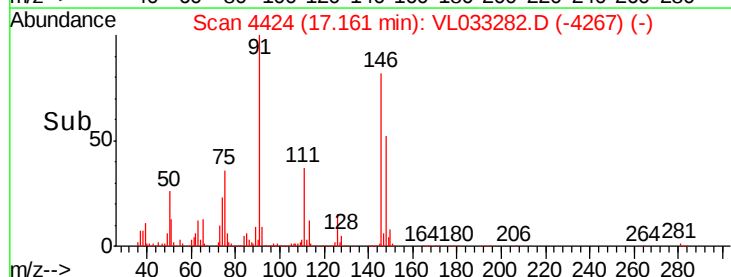
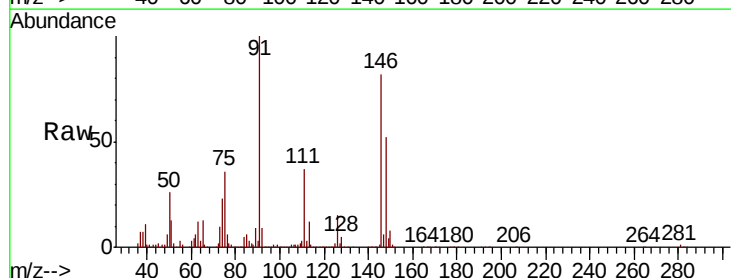
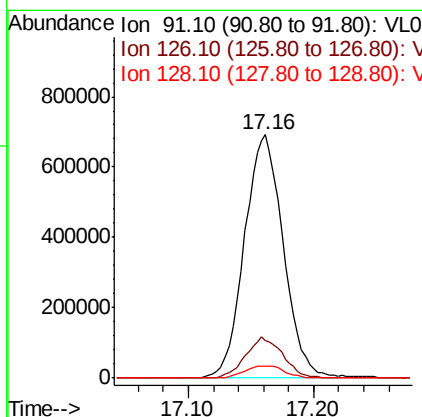
Manual Integrations
 APPROVED

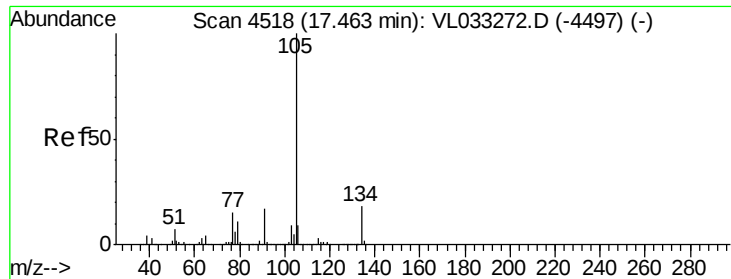
MMDadoda
 3/14/2019 5:05:58 AM



#66
 Benzyl Chloride
 Concen: 13.647 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. 0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.3	13.0	19.6
128	5.3	4.3	6.5





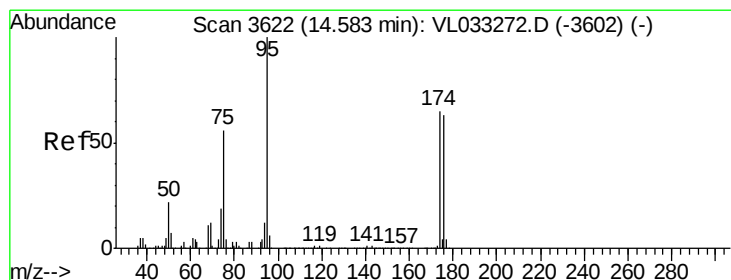
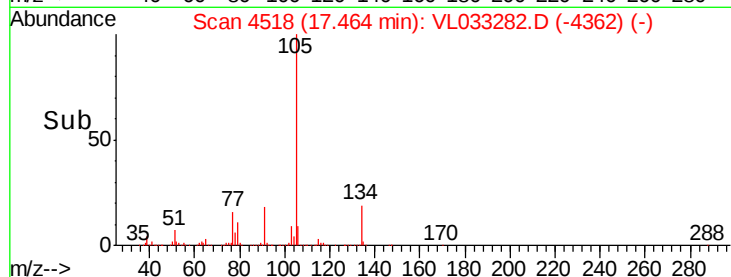
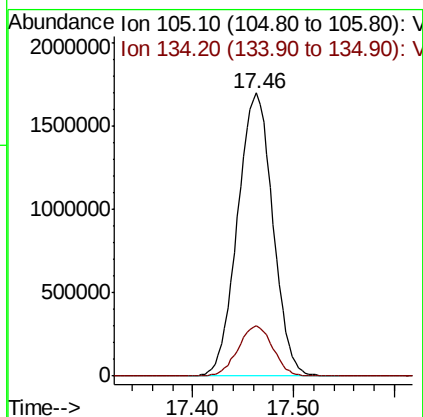
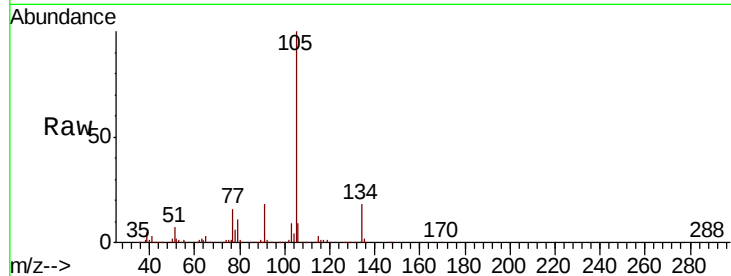
#67
 sec-Butylbenzene
 Concen: 10.268 ppbv
 RT: 17.46 min Scan# 4518
 Delta R.T. 0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Tgt Ion: 105 Resp: 4102733
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.2 21.2

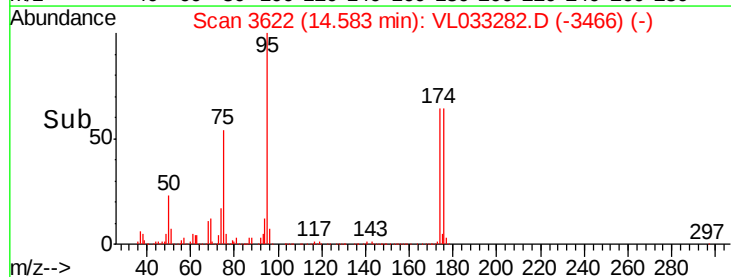
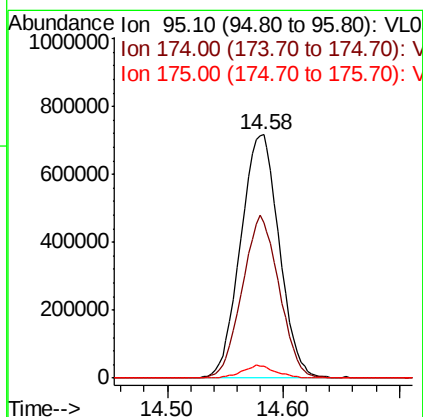
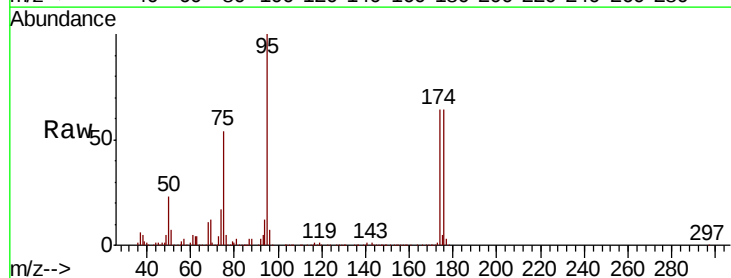
Manual Integrations
 APPROVED

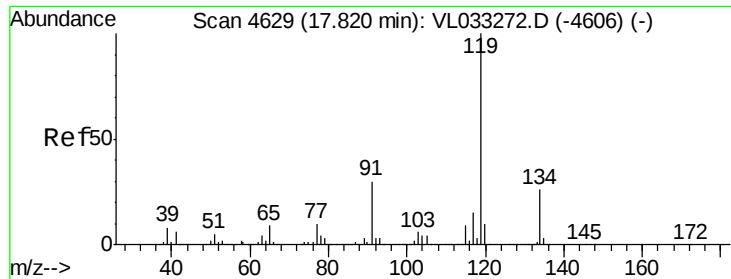
MMDadoda
 3/14/2019 5:05:58 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.942 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Tgt Ion: 95 Resp: 1658823
 Ion Ratio Lower Upper
 95 100
 174 64.0 51.7 77.5
 175 4.7 3.7 5.5





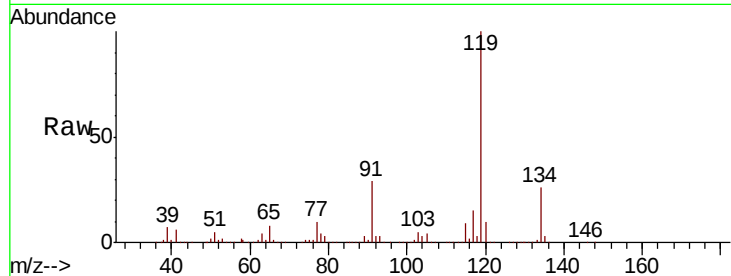
#69
p-Isopropyltoluene
Concen: 10.421 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

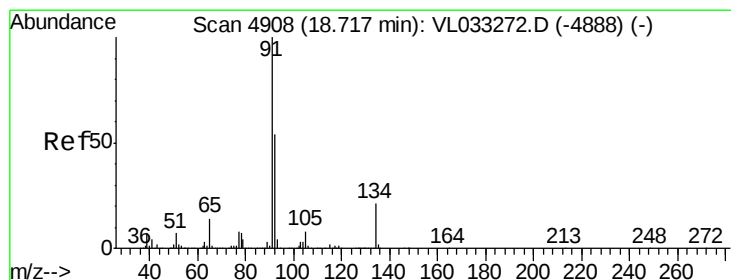
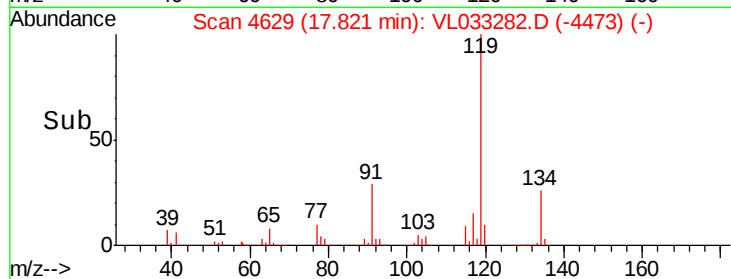
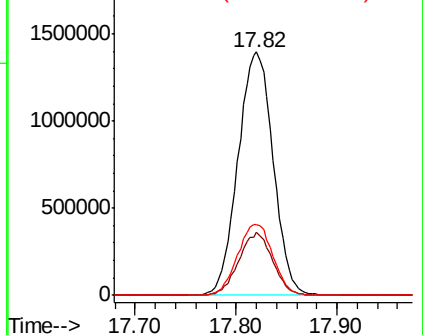
Tgt Ion: 119 Resp: 3363814
Ion Ratio Lower Upper
119 100
134 24.8 19.7 29.5
91 29.5 23.5 35.3

Manual Integrations
APPROVED

MMDadoda
3/14/2019 5:05:58 AM

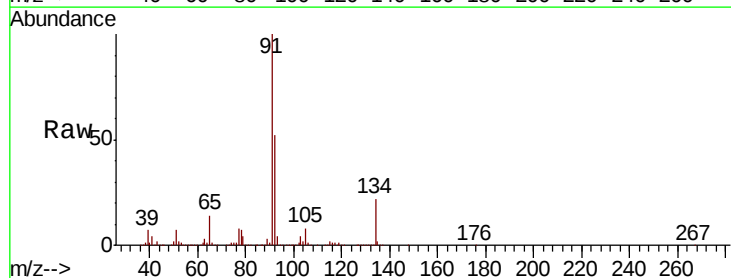


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

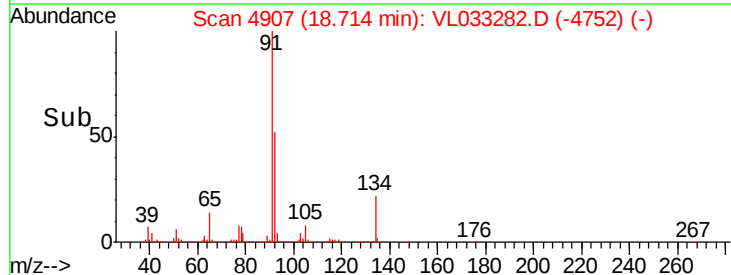
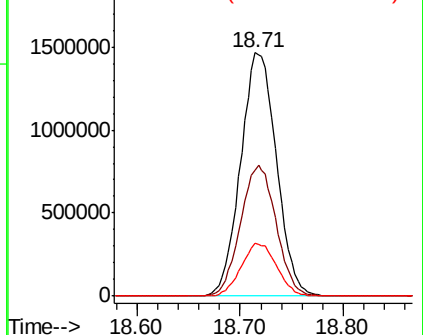


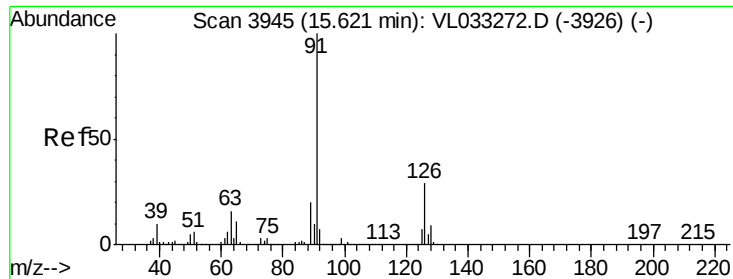
#70
n-Butylbenzene
Concen: 10.185 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 91 Resp: 3530331
Ion Ratio Lower Upper
91 100
92 53.5 42.4 63.6
134 21.5 17.1 25.7



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





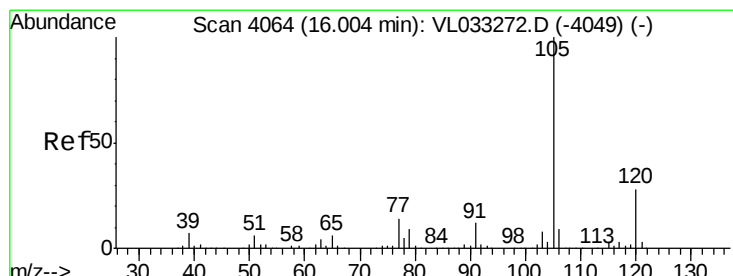
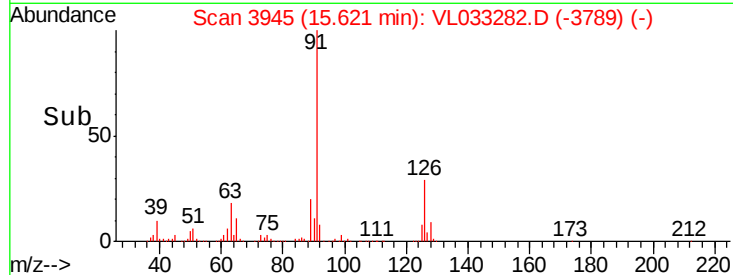
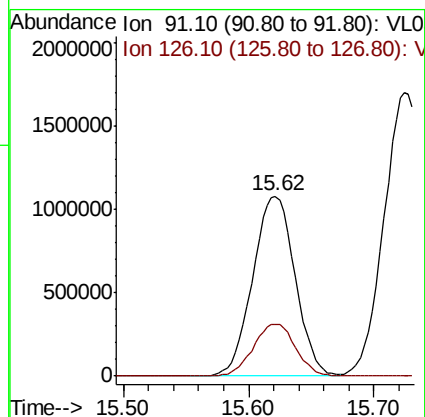
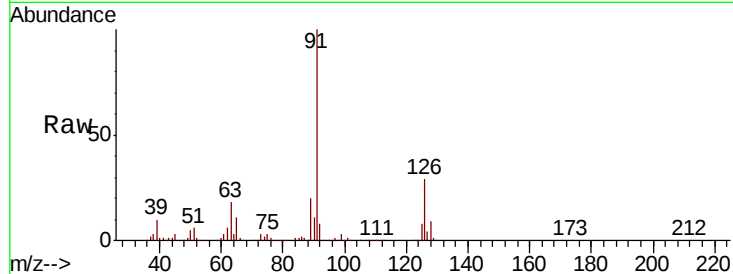
#71
2-Chlorotoluene
Concen: 10.144 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion: 91 Resp: 2543173
Ion Ratio Lower Upper
91 100
126 28.9 11.7 46.7

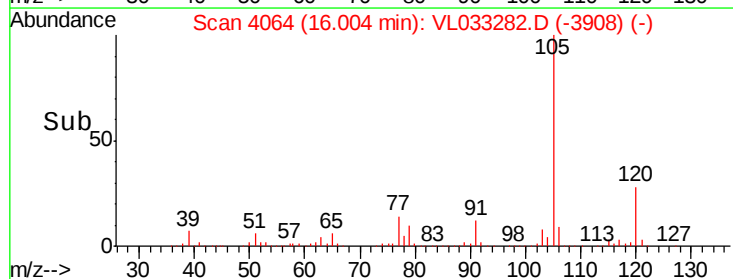
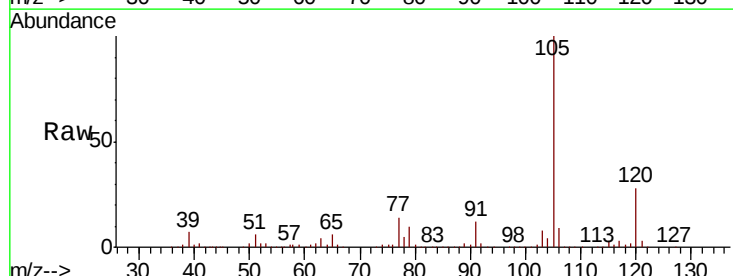
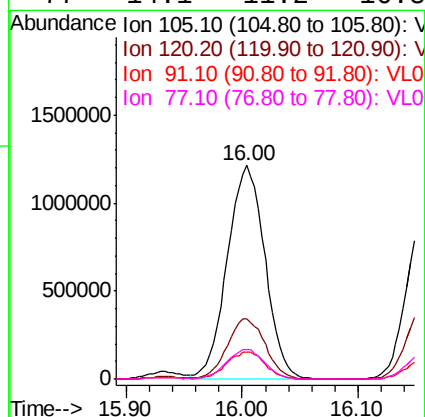
Manual Integrations
APPROVED

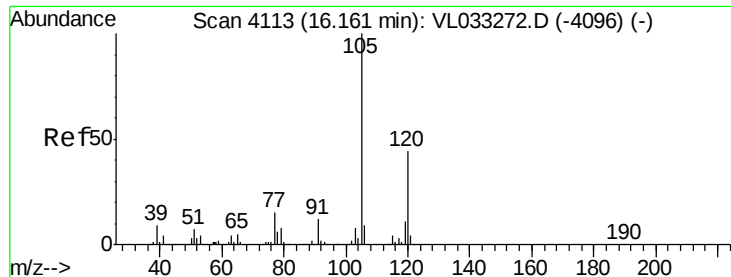
MMDadoda
3/14/2019 5:05:58 AM



#72
4-Ethyltoluene
Concen: 10.575 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 105 Resp: 2726764
Ion Ratio Lower Upper
105 100
120 28.6 22.9 34.3
91 12.8 10.2 15.2
77 14.1 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 10.581 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. 0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

ClientSampleId :

VL0312ABS01

Tgt Ion:105 Resp: 2570750

Ion Ratio Lower Upper

105 100

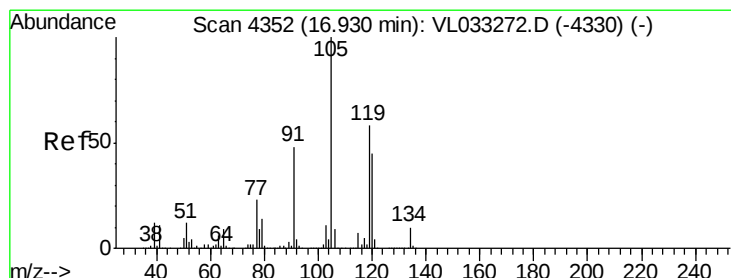
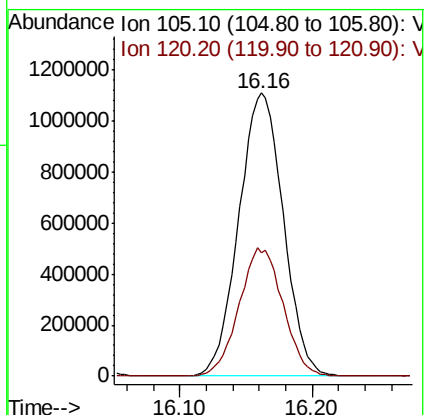
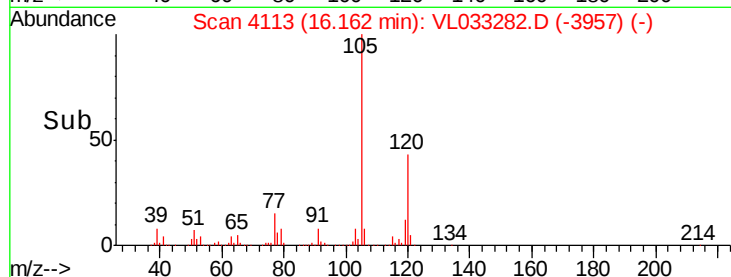
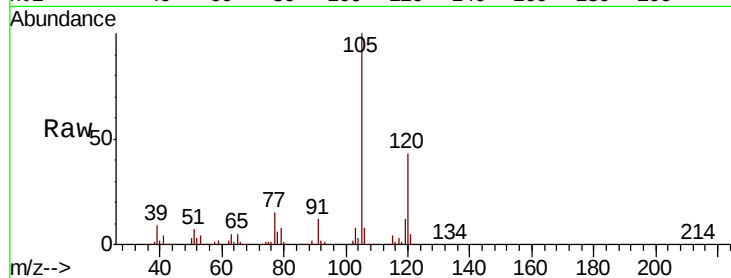
120 43.5 35.1 52.7

Manual Integrations

APPROVED

MMDadoda

3/14/2019 5:05:58 AM



#74

1,2,4-Trimethylbenzene

Concen: 10.617 ppbv

RT: 16.93 min Scan# 4353

Delta R.T. 0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Tgt Ion:105 Resp: 2626955

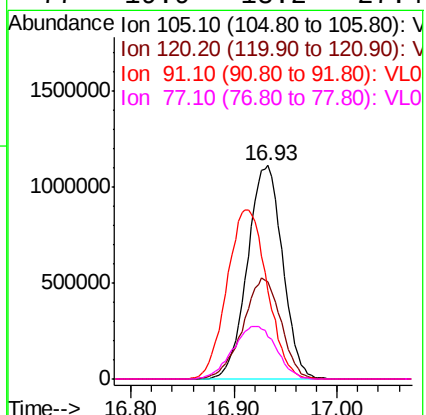
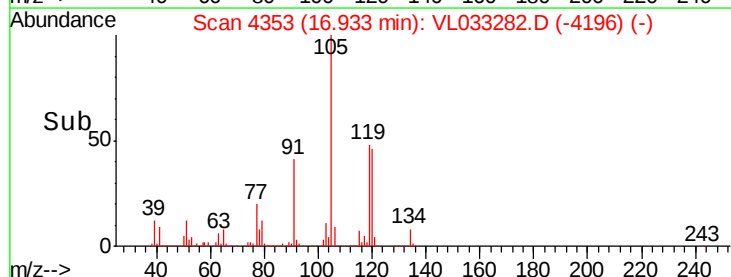
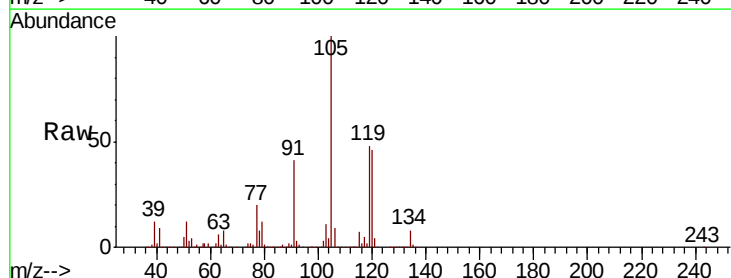
Ion Ratio Lower Upper

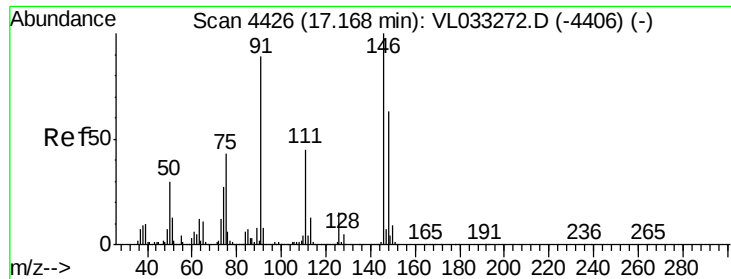
105 100

120 45.7 36.1 54.1

91 41.2 38.6 58.0

77 19.9 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 10.207 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. 0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

ClientSampleId :

VL0312ABS01

Tgt Ion:146 Resp: 1513646

Ion Ratio Lower Upper

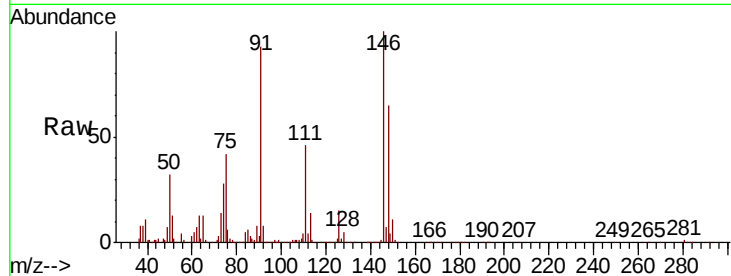
146 100

111 45.6 22.8 68.4

148 63.0 31.8 95.3

Manual Integrations
APPROVED

MMDadoda
3/14/2019 5:05:58 AM

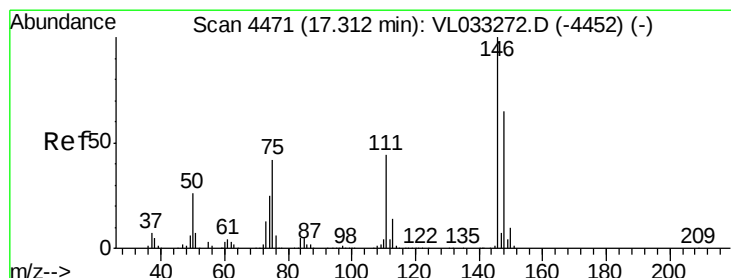
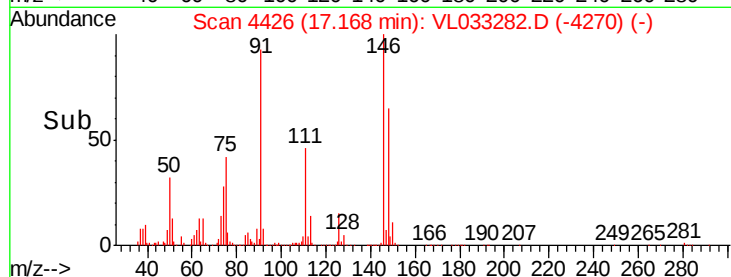
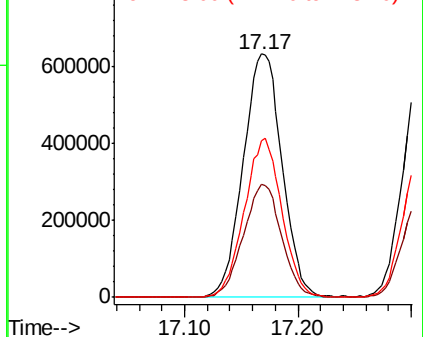


Abundance

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



#76

1,4-Dichlorobenzene

Concen: 10.283 ppbv

RT: 17.31 min Scan# 4471

Delta R.T. 0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

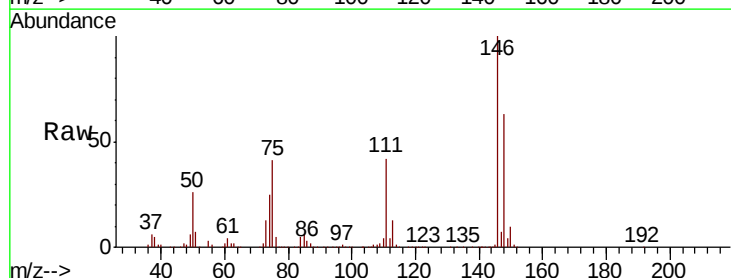
Tgt Ion:146 Resp: 1508110

Ion Ratio Lower Upper

146 100

111 44.5 22.1 66.1

148 63.8 31.8 95.3

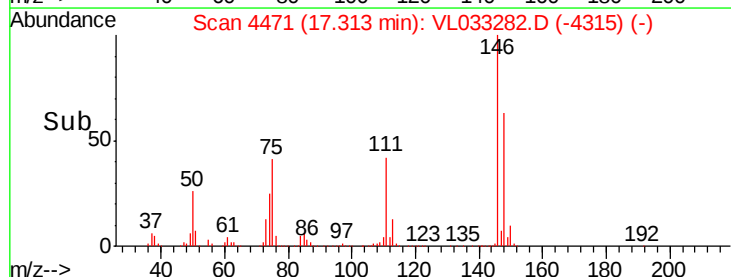
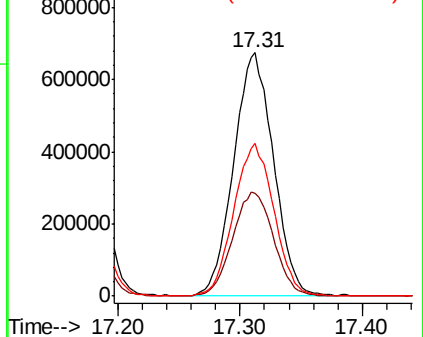


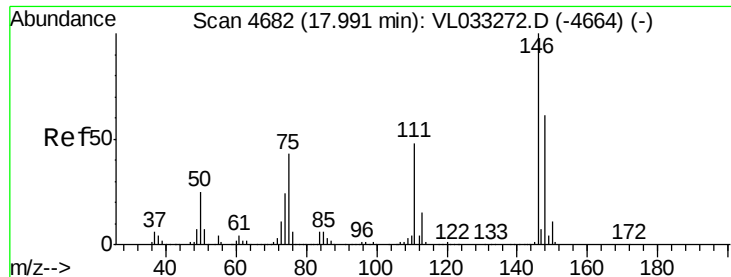
Abundance

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





#77

1,2-Dichlorobenzene

Concen: 9.866 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. 0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Instrument :

MSVOA_L

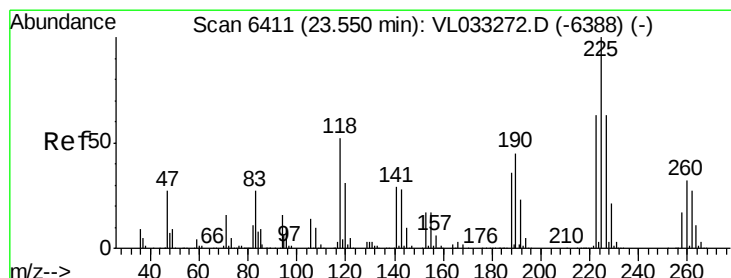
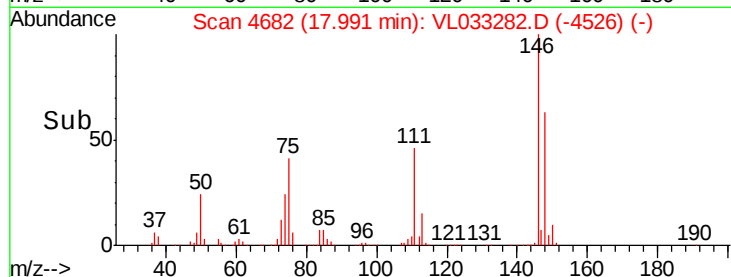
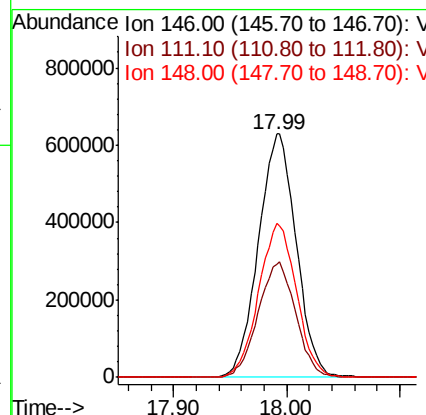
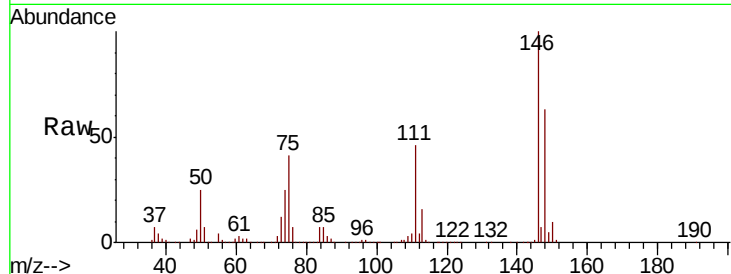
ClientSampleId :

VL0312ABS01

Tgt Ion:	146	Resp:	1456504
Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.5	70.5
148	63.5	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
3/14/2019 5:05:58 AM



#78

Hexachloro-1,3-Butadiene

Concen: 6.751 ppbv

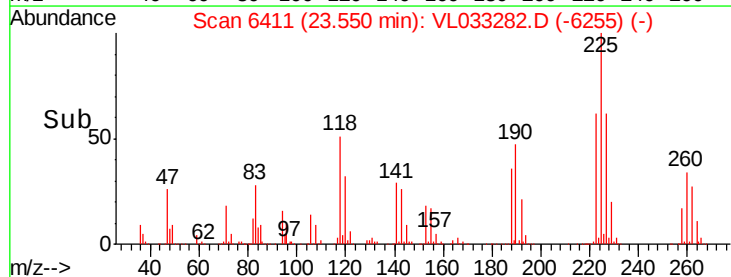
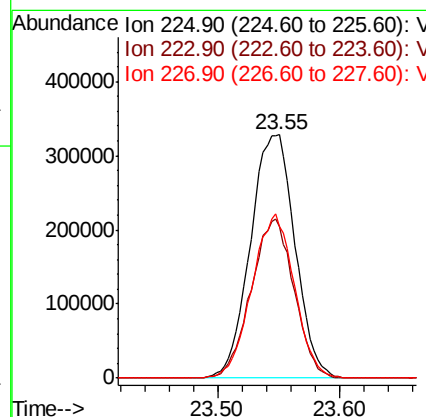
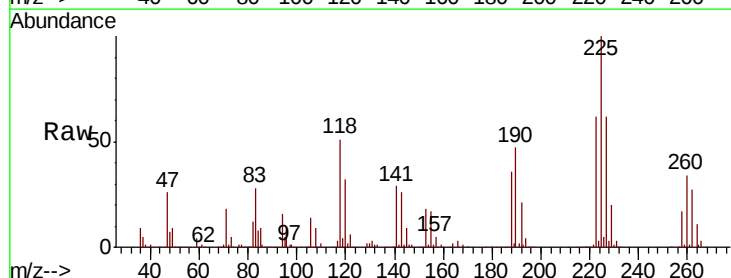
RT: 23.55 min Scan# 6411

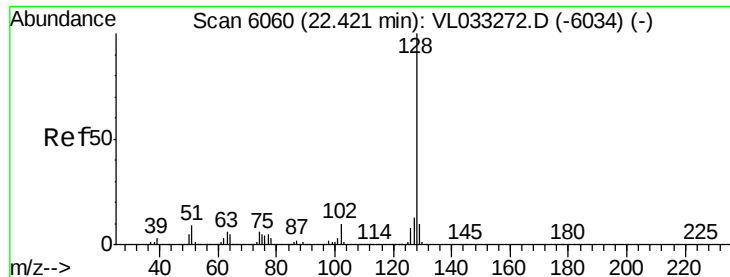
Delta R.T. 0.00 min

Lab File: VL033282.D

Acq: 12 Mar 2019 13:09

Tgt Ion:	225	Resp:	830336
Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	64.3	51.1	76.7





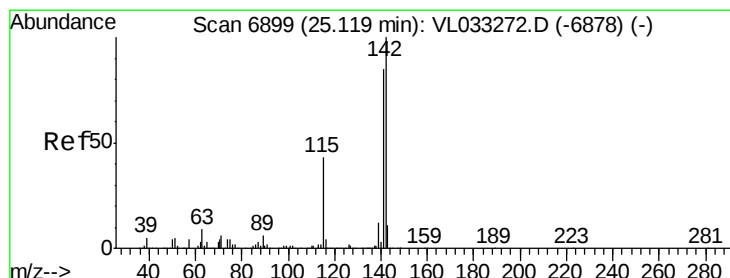
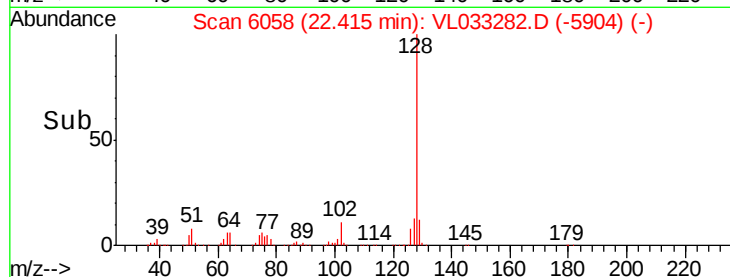
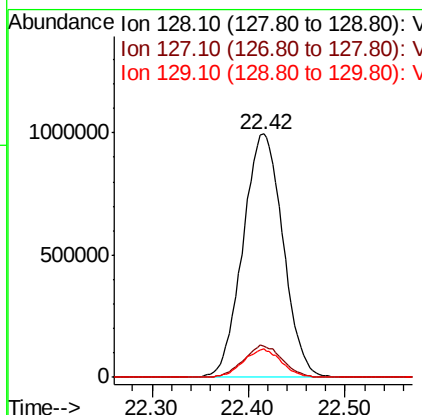
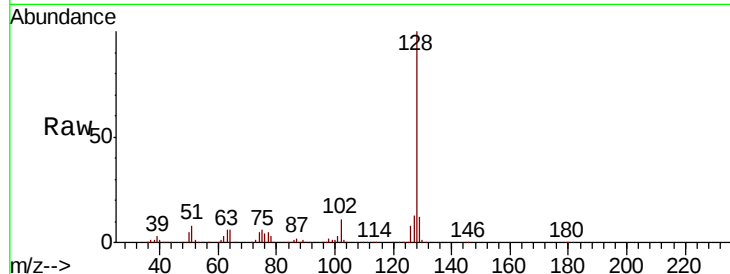
#79
Naphthalene
Concen: 10.698 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.8	8.4	12.6

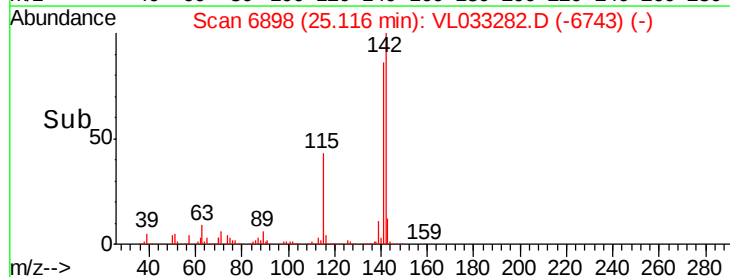
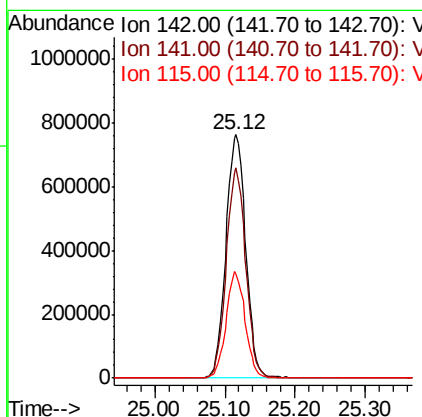
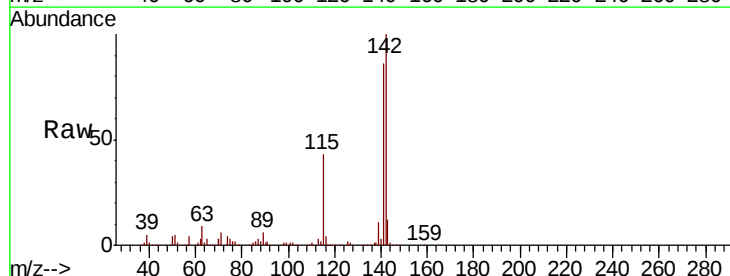
Manual Integrations
APPROVED

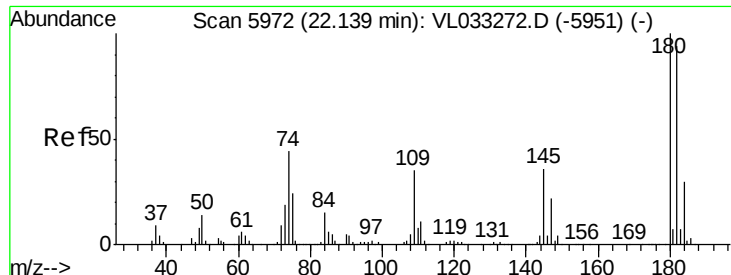
MMDadoda
3/14/2019 5:05:58 AM



#80
Naphthalene, 2-methyl-
Concen: 20.525 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.8	68.0	102.0
115	42.2	33.8	50.6





#81
 1,2,4-Trichlorobenzene
 Concen: 9.583 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. 0.00 min
 Lab File: VL033282.D
 Acq: 12 Mar 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Tgt Ion:	180	Resp:	1351362
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
184	30.6	24.2	36.4

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:05:58 AM

