

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090819\
 Data File : VX012236.D
 Acq On : 08 Sep 2019 21:19
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 8:42:57 AM

Quant Time: Sep 09 03:37:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	102071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	196069	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	183601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90672	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	82464	58.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.10%	
35) Dibromofluoromethane	5.48	113	63042	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	8.71	98	230002	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.14	95	103182	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	38231	40.617	ug/l	96
3) Chloromethane	1.31	50	46976	48.731	ug/l	97
4) Vinyl Chloride	1.39	62	42663	47.041	ug/l	97
5) Bromomethane	1.62	94	23561	52.369	ug/l	96
6) Chloroethane	1.71	64	28956	51.358	ug/l	95
7) Trichlorofluoromethane	1.92	101	65603	46.571	ug/l	98
8) Diethyl Ether	2.17	74	27858	57.228	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	45960	44.050	ug/l #	84
10) Methyl Iodide	2.50	142	27962	29.759	ug/l	92
11) Tert butyl alcohol	3.03	59	57813	427.374	ug/l	98
12) 1,1-Dichloroethene	2.36	96	45254	45.025	ug/l	85
13) Acrolein	2.28	56	8589	251.641	ug/l	99
14) Allyl chloride	2.71	41	94462	51.940	ug/l	98
15) Acrylonitrile	3.12	53	101599	332.140	ug/l	98
16) Acetone	2.43	43	93330	277.246	ug/l	97
17) Carbon Disulfide	2.56	76	128098	43.610	ug/l	99
18) Methyl Acetate	2.76	43	49353	62.235	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	191537	58.535	ug/l	99
20) Methylene Chloride	2.84	84	64528	47.735	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	58209	49.353	ug/l	90
22) Diisopropyl ether	3.84	45	223288	60.236	ug/l	97
23) Vinyl Acetate	3.80	43	743491	310.051	ug/l	97
24) 1,1-Dichloroethane	3.68	63	115821	53.872	ug/l	97
25) 2-Butanone	4.65	43	155474	362.827	ug/l	95
26) 2,2-Dichloropropane	4.57	77	87375	44.020	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	74865	54.150	ug/l	91
28) Bromochloromethane	5.00	49	44118	51.408	ug/l #	76
29) Tetrahydrofuran	5.11	42	90506	350.560	ug/l	97
30) Chloroform	5.20	83	135614	58.787	ug/l	96
31) Cyclohexane	5.56	56	73493	42.564	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	103988	51.757	ug/l	96
36) 1,1-Dichloropropene	5.79	75	78572	45.499	ug/l	95
37) Ethyl Acetate	4.81	43	64075	68.234	ug/l	99
38) Carbon Tetrachloride	5.77	117	85831	47.169	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090819\
 Data File : VX012236.D
 Acq On : 08 Sep 2019 21:19
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 8:42:57 AM

Quant Time: Sep 09 03:37:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	80619	40.224	ug/l	95
40) Benzene	6.13	78	255059	51.449	ug/l	100
41) Methacrylonitrile	5.03	41	39452	70.449	ug/l	97
42) 1,2-Dichloroethane	6.18	62	110950	62.190	ug/l	96
43) Isopropyl Acetate	6.43	43	133311	69.818	ug/l	97
44) Trichloroethene	7.20	130	68237	51.032	ug/l	77
45) 1,2-Dichloropropane	7.50	63	73874	57.676	ug/l	98
46) Dibromomethane	7.65	93	47158	63.070	ug/l #	73
47) Bromodichloromethane	7.89	83	118502	62.351	ug/l	98
48) Methyl methacrylate	7.76	41	67951	70.777	ug/l	94
49) 1,4-Dioxane	7.73	88	20509	1567.029	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	397573	409.361	ug/l	97
52) Toluene	8.78	92	176655	54.766	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	123037	62.530	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	127572	58.303	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	72744	68.050	ug/l	97
56) Ethyl methacrylate	9.17	69	108496	70.858	ug/l	94
57) 1,3-Dichloropropane	9.37	76	123825	67.128	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	183290	265.518	ug/l	95
59) 2-Hexanone	9.48	43	288799	407.526	ug/l	96
60) Dibromochloromethane	9.57	129	87425	68.622	ug/l	100
61) 1,2-Dibromoethane	9.67	107	70176	67.938	ug/l	98
64) Tetrachloroethene	9.33	164	66559	58.148	ug/l #	87
65) Chlorobenzene	10.14	112	209867	57.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	84706	63.949	ug/l	97
67) Ethyl Benzene	10.25	91	357465	54.135	ug/l	96
68) m/p-Xylenes	10.36	106	267777	110.065	ug/l	92
69) o-Xylene	10.70	106	135147	57.286	ug/l	89
70) Styrene	10.71	104	248177	60.565	ug/l	95
71) Bromoform	10.86	173	50932	70.007	ug/l #	97
73) Isopropylbenzene	11.01	105	346341	52.060	ug/l	96
74) N-amyl acetate	10.89	43	141147	71.758	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	96620	69.665	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	76385m	68.947	ug/l	
77) Bromobenzene	11.25	156	90059	60.528	ug/l	71
78) n-propylbenzene	11.35	91	412571	51.332	ug/l	94
79) 2-Chlorotoluene	11.42	91	269962	55.443	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	310866	53.321	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	28460	60.732	ug/l	92
82) 4-Chlorotoluene	11.51	91	329032	56.694	ug/l	91
83) tert-Butylbenzene	11.76	119	292946	52.719	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	324179	54.102	ug/l	95
85) sec-Butylbenzene	11.94	105	343740	49.803	ug/l	94
86) p-Isopropyltoluene	12.06	119	317487	50.581	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	169388	56.814	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	167487	56.182	ug/l	94
89) n-Butylbenzene	12.39	91	296721	48.663	ug/l	96
90) Hexachloroethane	12.59	117	61750	49.270	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	163931	61.051	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	20192	69.573	ug/l	65

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090819\
Data File : VX012236.D
Acq On : 08 Sep 2019 21:19
Operator : SY/SP
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA X/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

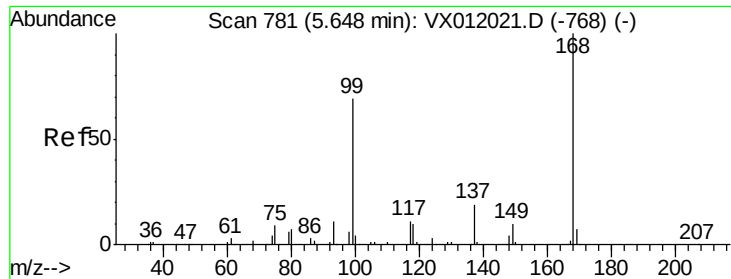
Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:42:57 AM

Quant Time: Sep 09 03:37:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	103122	53.956	ug/l	97
94) Hexachlorobutadiene	13.78	225	49557	51.439	ug/l	100
95) Naphthalene	13.83	128	260719	63.030	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	94001	55.906	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 102071

Ion Ratio Lower Upper

168 100

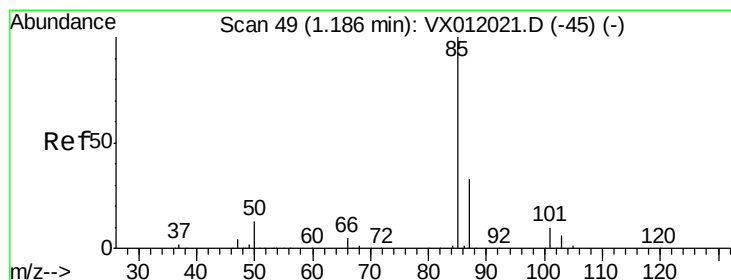
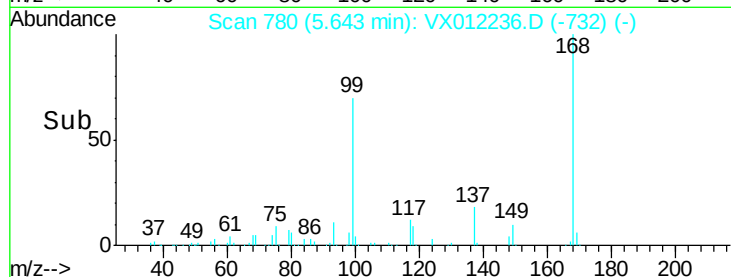
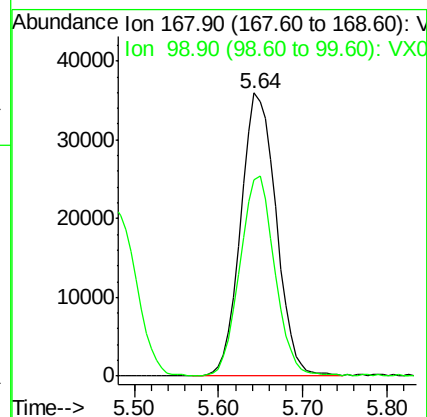
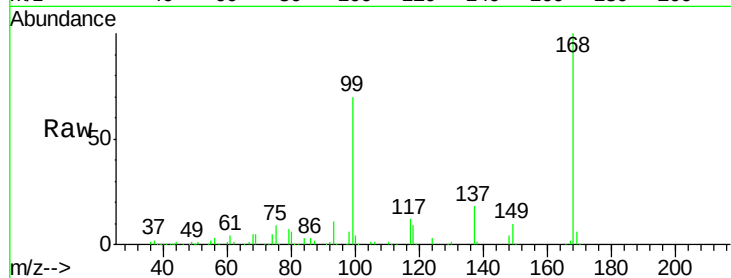
99 69.3 37.6 56.4#

Manual Integrations

APPROVED

MMDadoda

9/9/2019 8:42:57 AM



#2

Dichlorodifluoromethane

Concen: 40.617 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012236.D

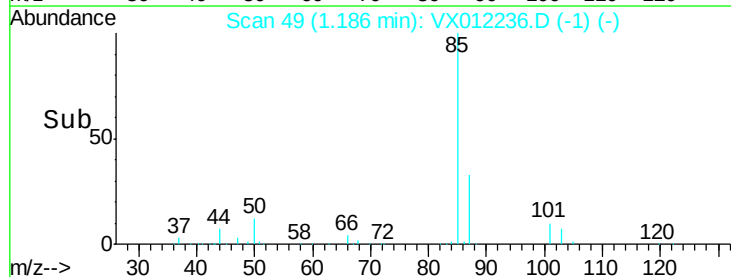
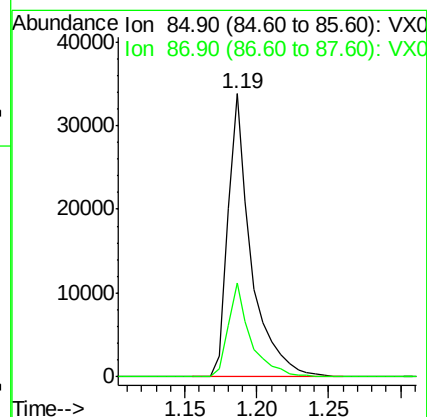
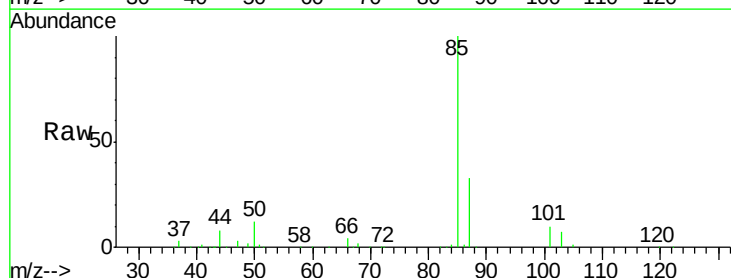
Acq: 08 Sep 2019 21:19

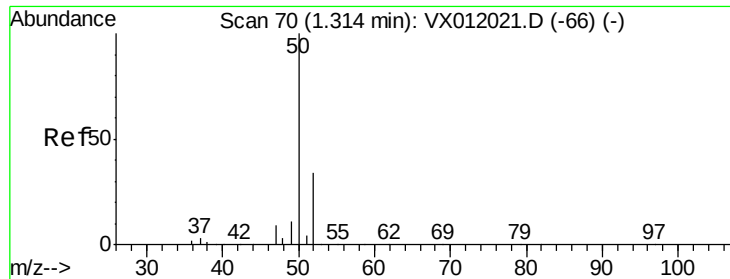
Tgt Ion: 85 Resp: 38231

Ion Ratio Lower Upper

85 100

87 33.2 15.6 46.8





#3

Chloromethane

Concen: 48.731 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 46976

Ion Ratio Lower Upper

50 100

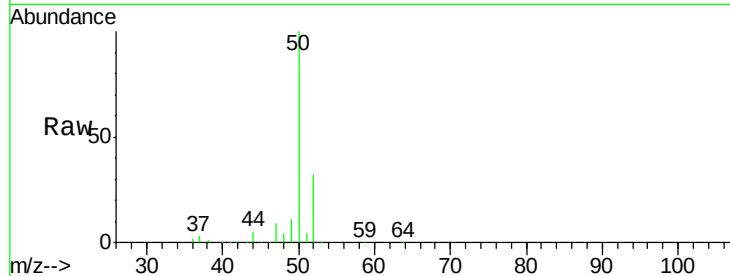
52 31.7 26.5 39.7

Manual Integrations

APPROVED

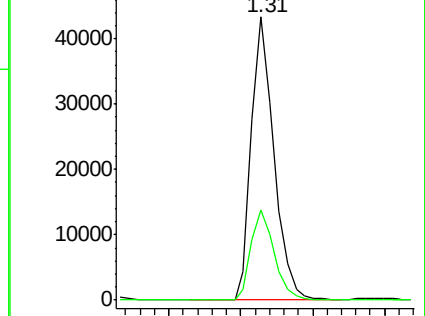
MMDadoda

9/9/2019 8:42:57 AM

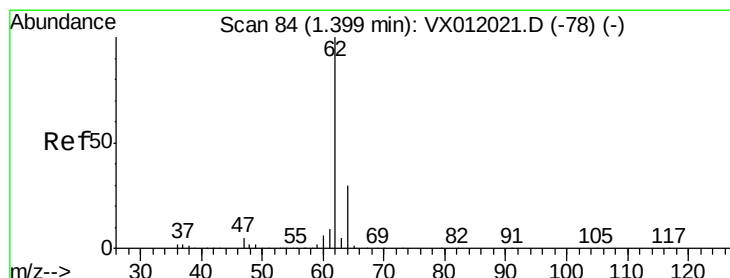
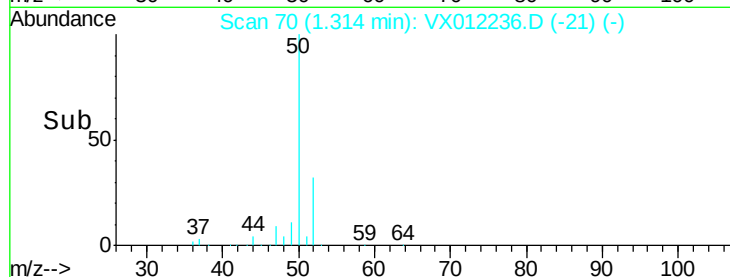


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 47.041 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012236.D

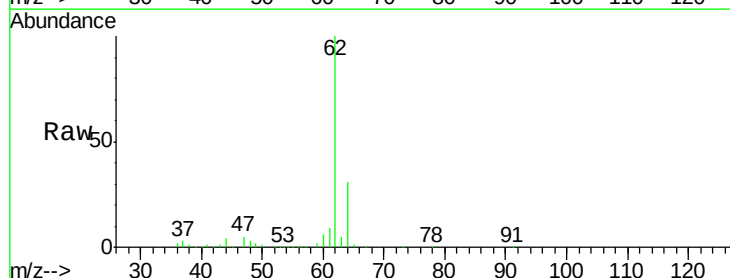
Acq: 08 Sep 2019 21:19

Tgt Ion: 62 Resp: 42663

Ion Ratio Lower Upper

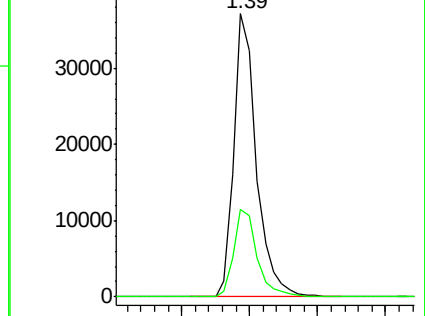
62 100

64 31.0 26.2 39.4

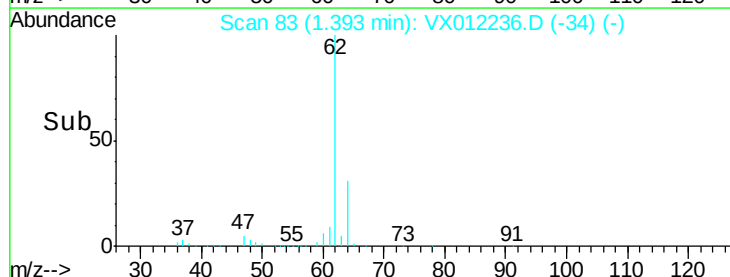


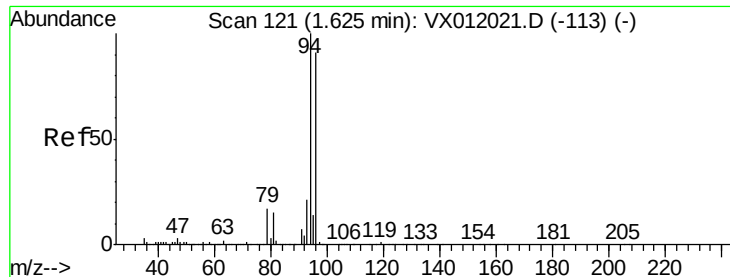
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





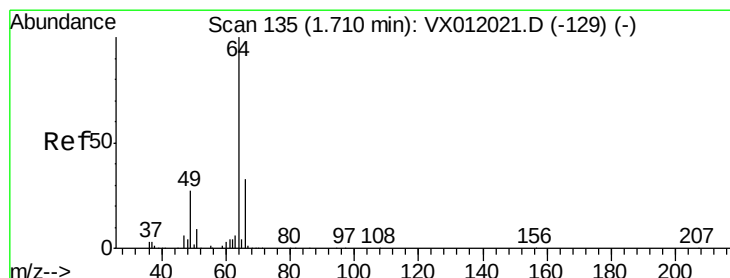
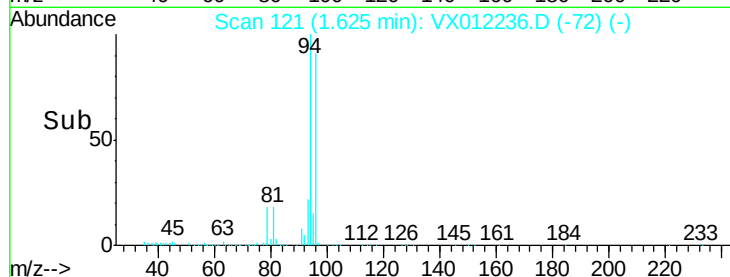
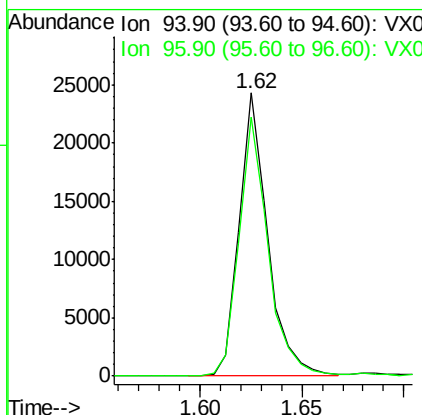
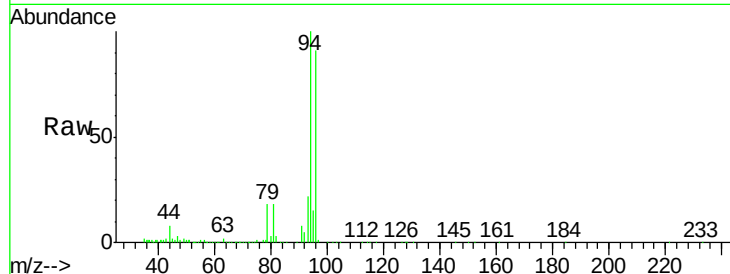
#5
 Bromomethane
 Concen: 52.369 ug/l
 RT: 1.62 min Scan# 121
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
94	100			
96	91.3	76.3	114.5	

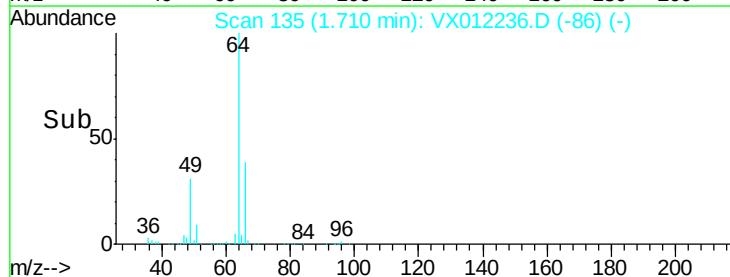
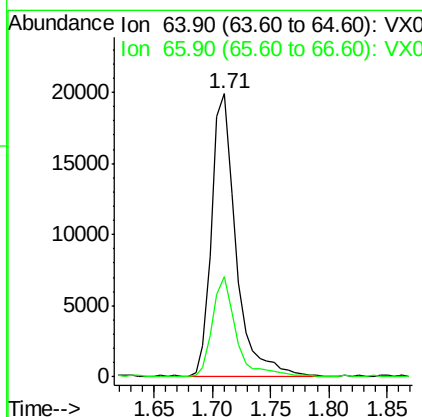
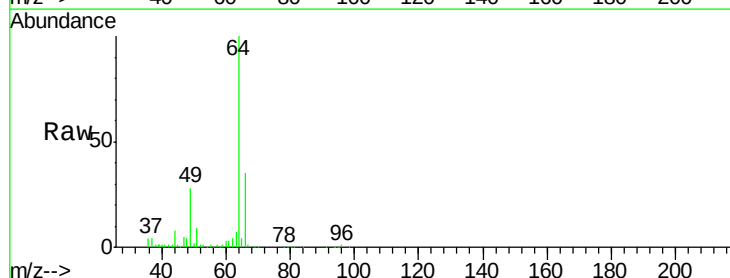
Manual Integrations
 APPROVED

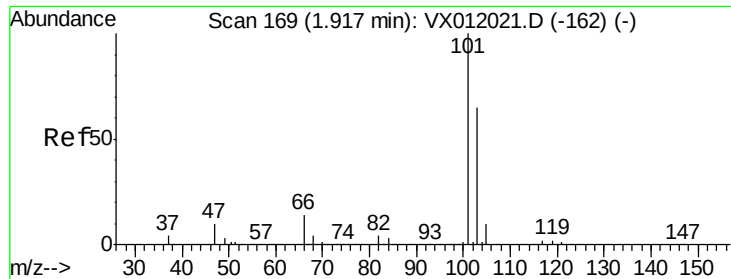
MMDadoda
 9/9/2019 8:42:57 AM



#6
 Chloroethane
 Concen: 51.358 ug/l
 RT: 1.71 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Tgt Ion	Ion	Ratio	Lower	Upper
64	100			
66	35.4	26.3	39.5	





#7

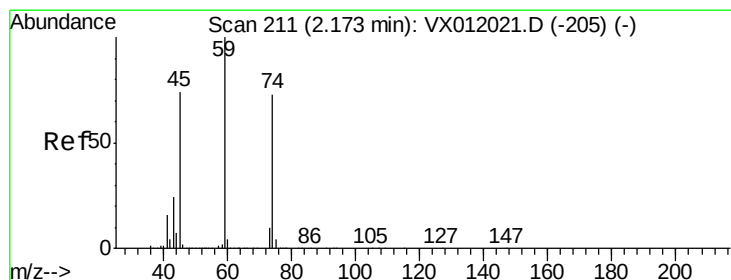
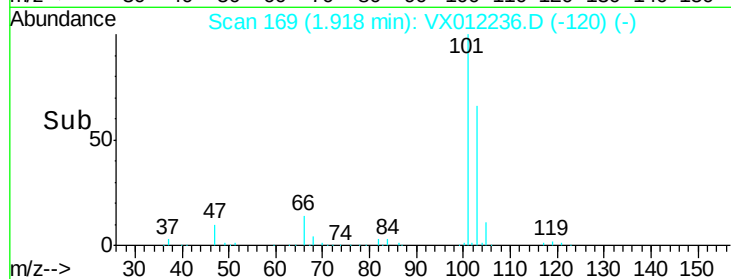
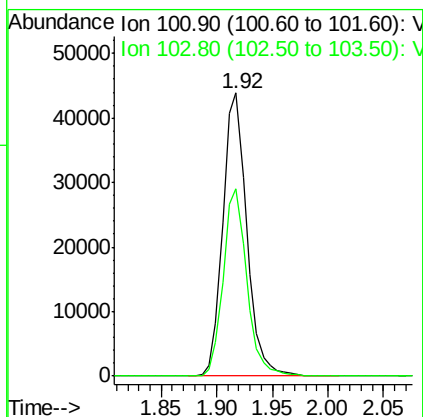
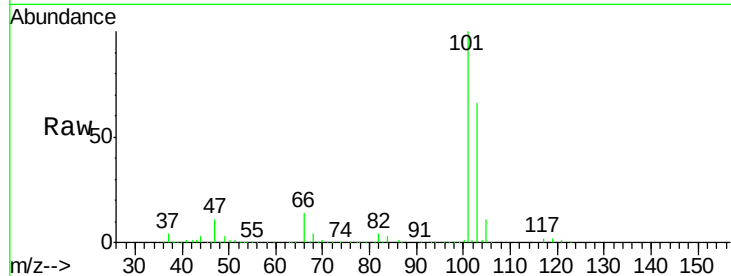
Trichlorofluoromethane
Concen: 46.571 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 65603
Ion Ratio Lower Upper
101 100
103 66.3 51.6 77.4

Manual Integrations
APPROVED

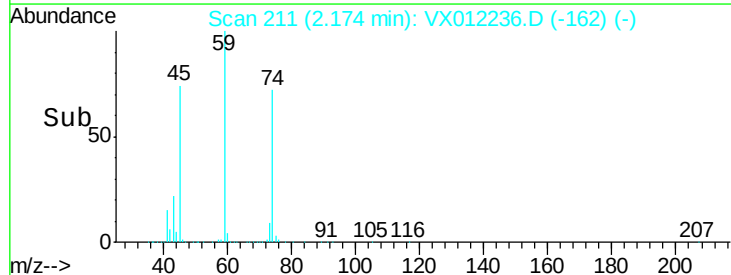
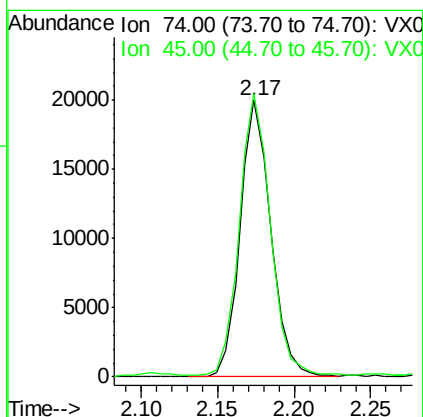
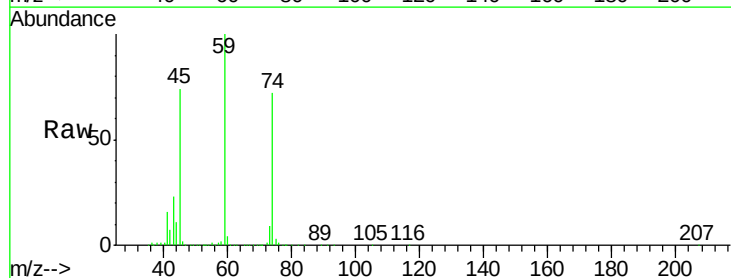
MMDadoda
9/9/2019 8:42:57 AM

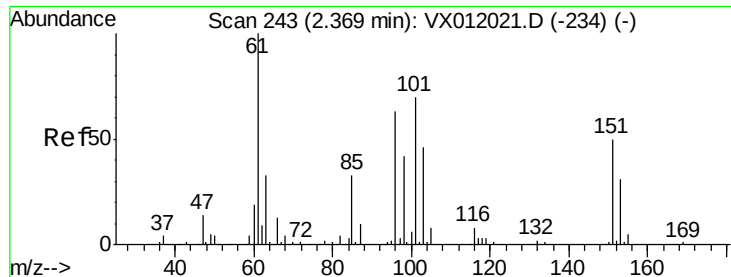


#8

Diethyl Ether
Concen: 57.228 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion: 74 Resp: 27858
Ion Ratio Lower Upper
74 100
45 101.8 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.050 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

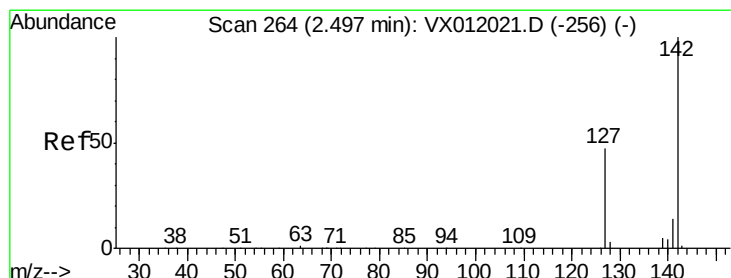
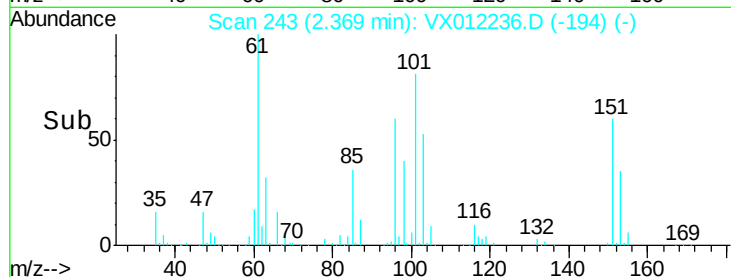
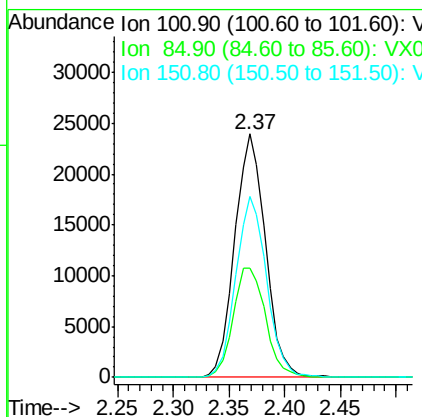
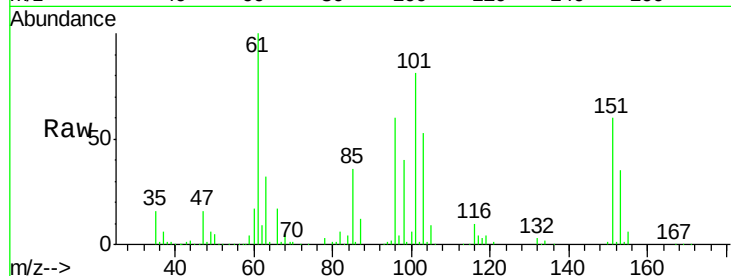
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.2	34.5	51.7
151	74.1	75.0	112.4#

Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:42:57 AM



#10

Methyl Iodide

Concen: 29.759 ug/l

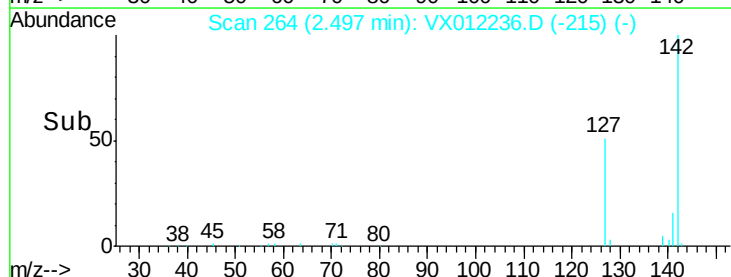
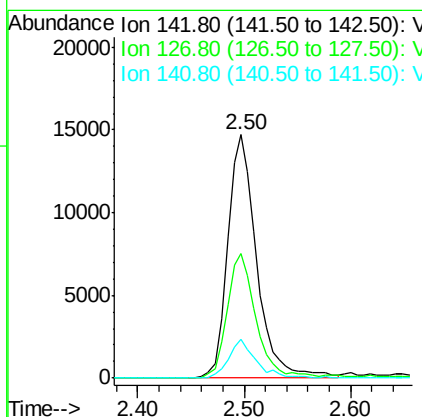
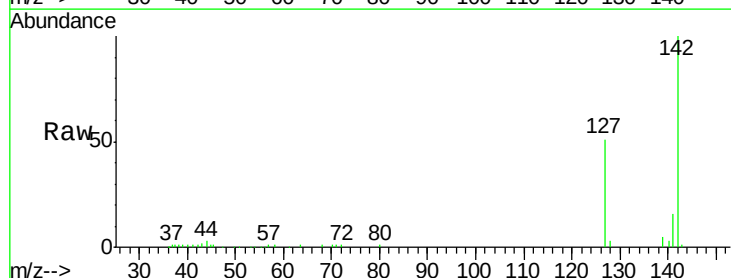
RT: 2.50 min Scan# 264

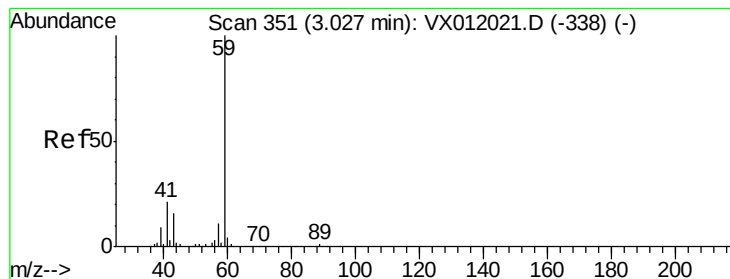
Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
142	100		
127	50.9	35.4	53.2
141	14.6	11.4	17.2





#11

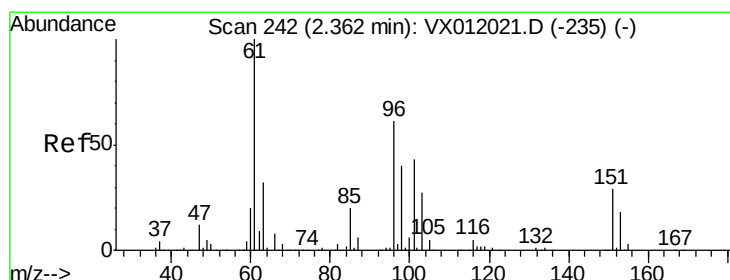
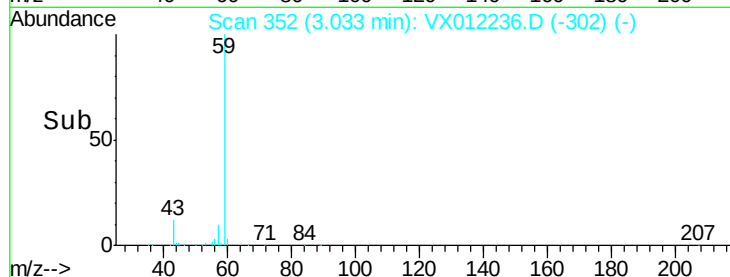
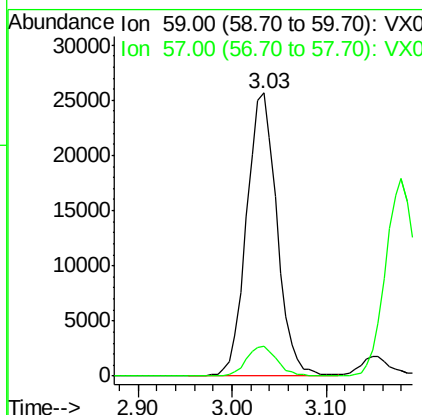
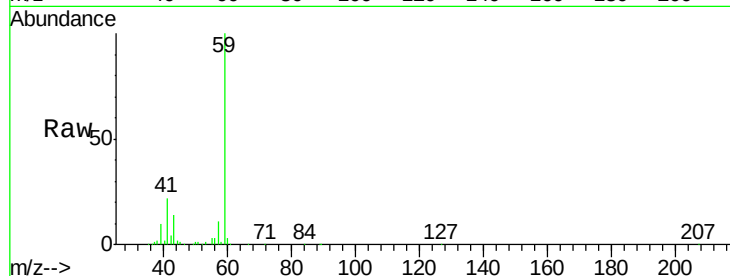
Tert butyl alcohol
Concen: 427.374 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	57813
Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.9	11.9

Manual Integrations
APPROVED

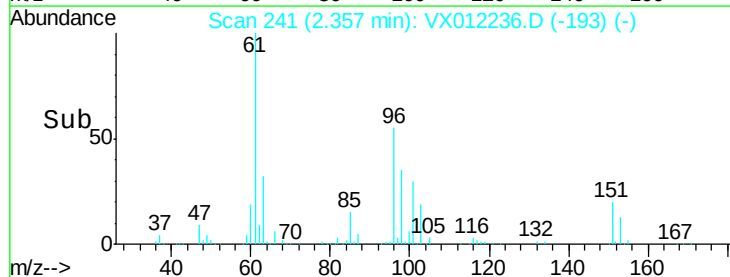
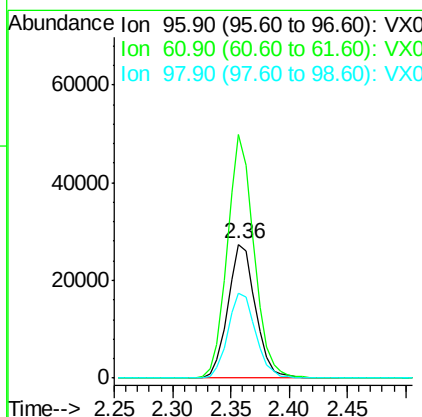
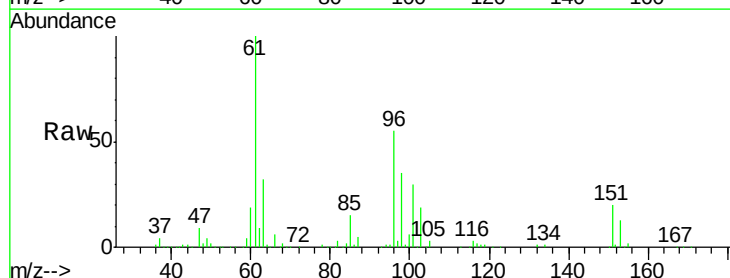
MMDadoda
9/9/2019 8:42:57 AM

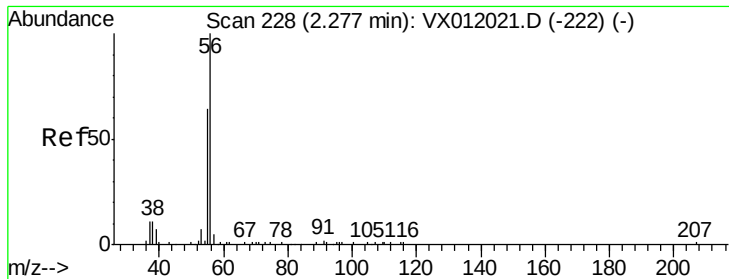


#12

1,1-Dichloroethene
Concen: 45.025 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion	96	Resp	45254
Ion	Ratio	Lower	Upper
96	100		
61	182.3	124.1	186.1
98	63.4	50.2	75.2





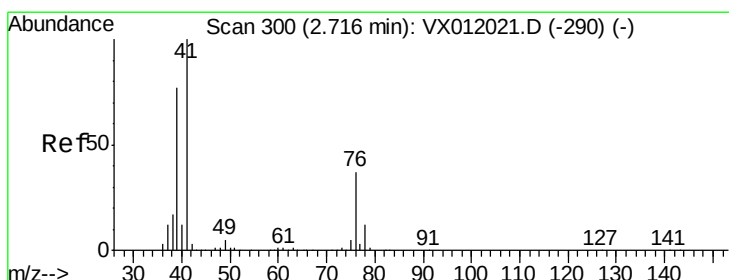
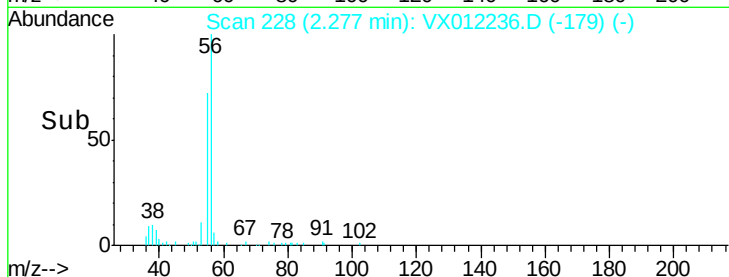
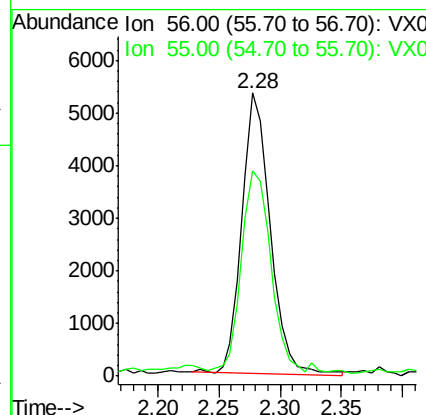
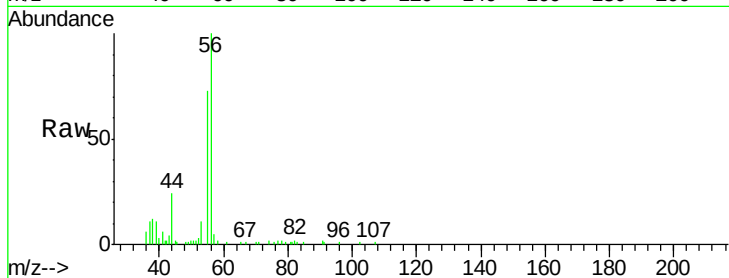
#13
Acrolein
Concen: 251.641 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.0	59.2	88.8

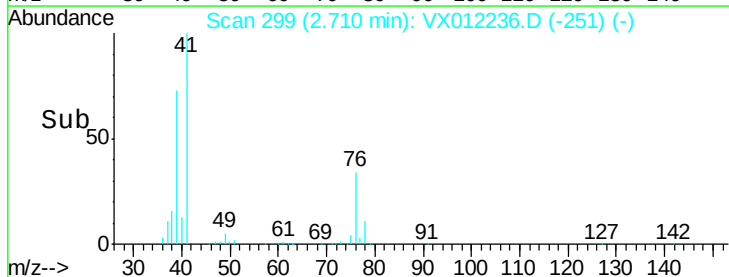
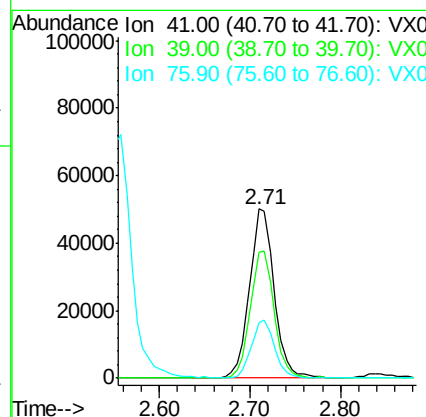
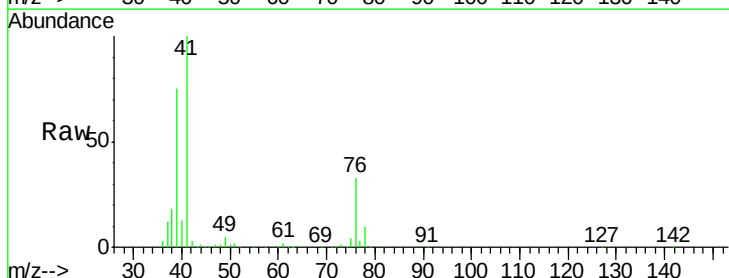
Manual Integrations
APPROVED

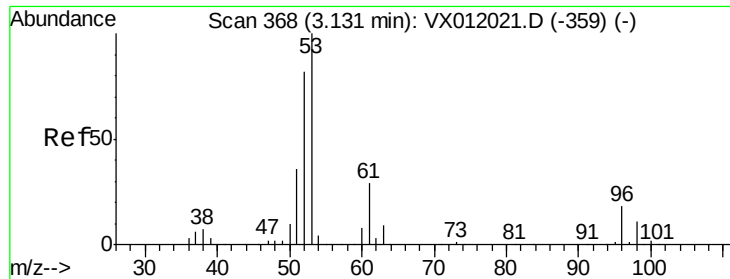
MMDadoda
9/9/2019 8:42:57 AM



#14
Allyl chloride
Concen: 51.940 ug/l
RT: 2.71 min Scan# 299
Delta R.T. -0.01 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.5	57.9	86.9
76	32.4	28.5	42.7





#15

Acrylonitrile

Concen: 332.140 ug/l

RT: 3.12 min Scan# 367

Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

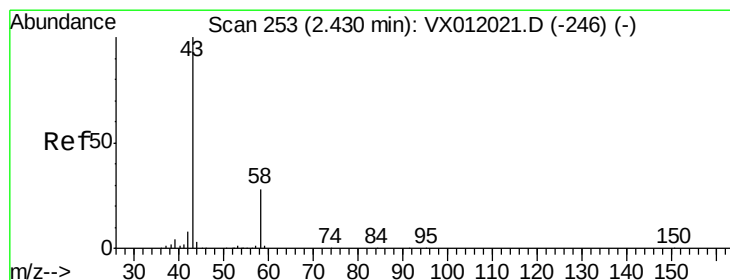
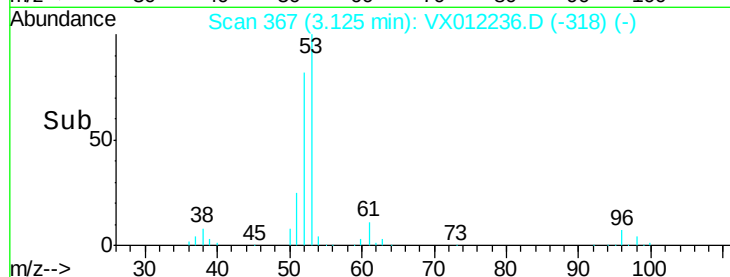
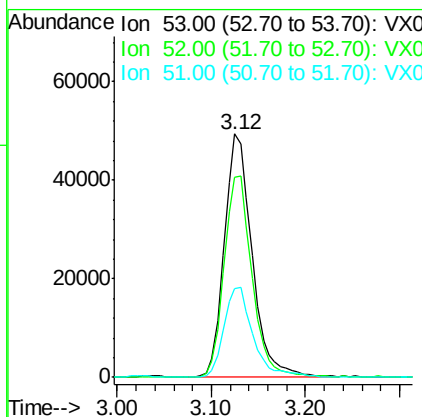
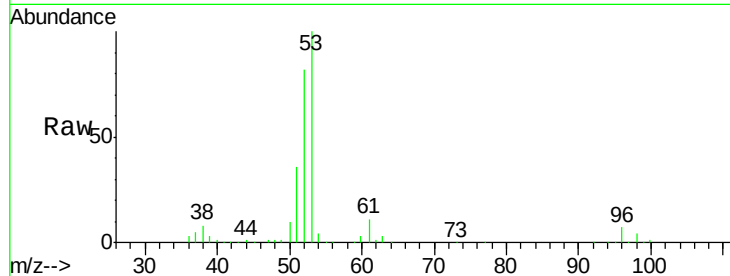
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	101599
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.6	98.4
51	39.1	29.8	44.6

Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:42:57 AM



#16

Acetone

Concen: 277.246 ug/l

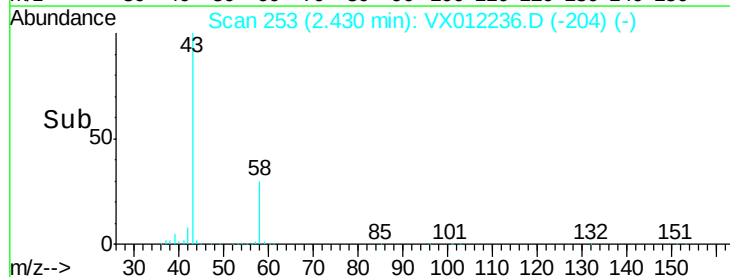
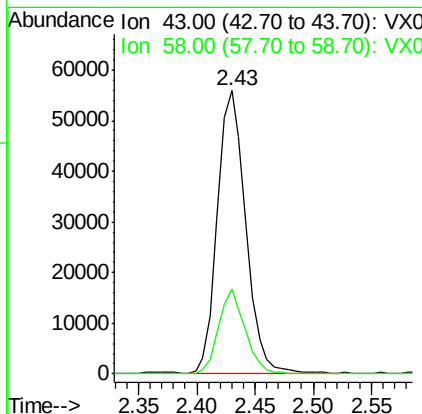
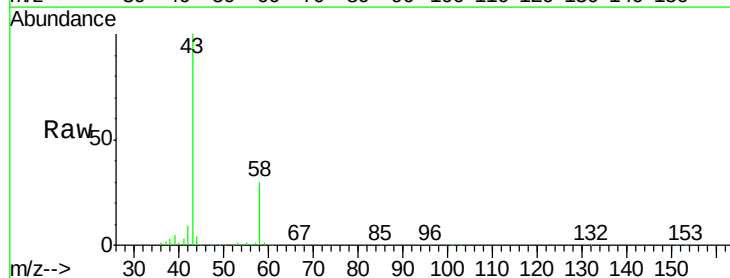
RT: 2.43 min Scan# 253

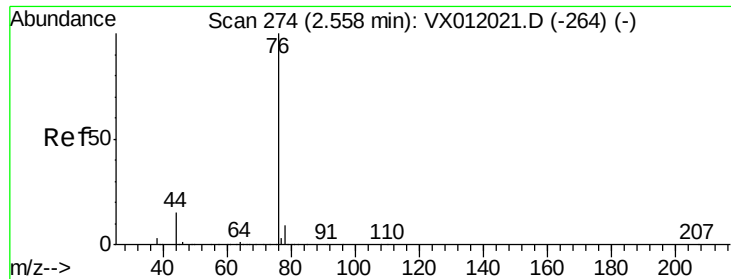
Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Tgt Ion:	43	Resp:	93330
Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.8	34.2





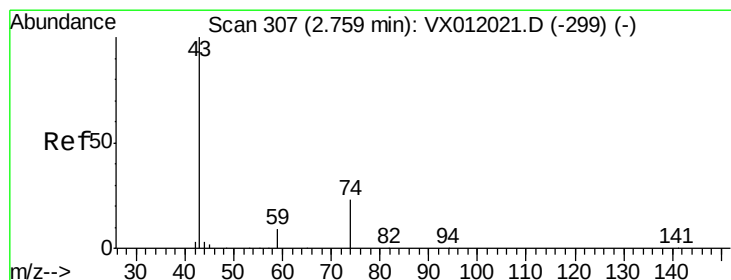
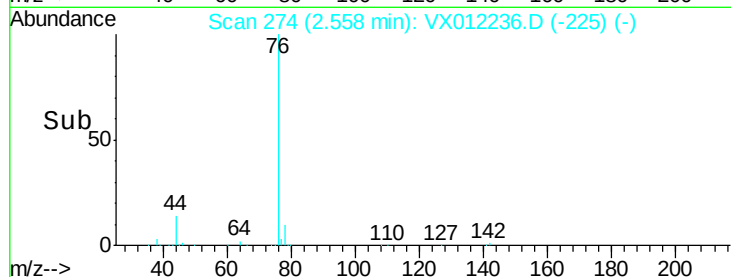
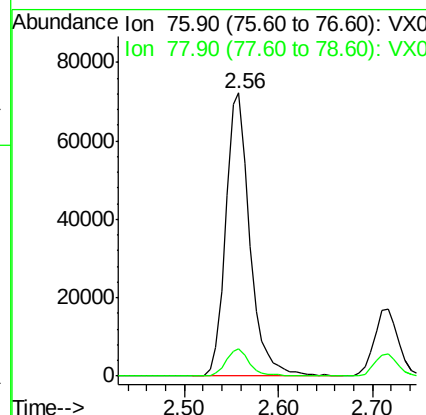
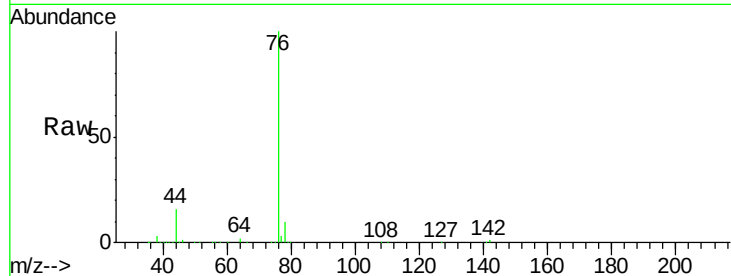
#17
Carbon Disulfide
Concen: 43.610 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
76	100	128098		
78	9.6		7.4	11.2

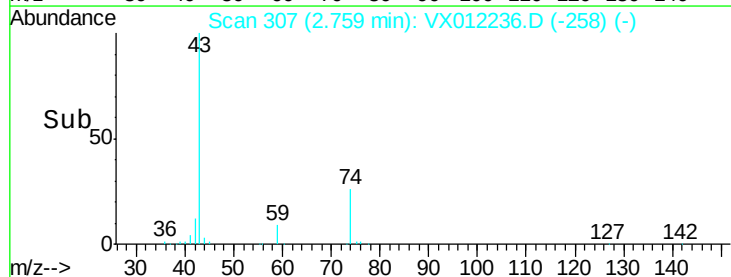
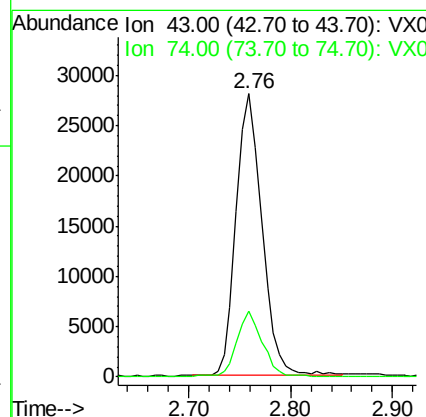
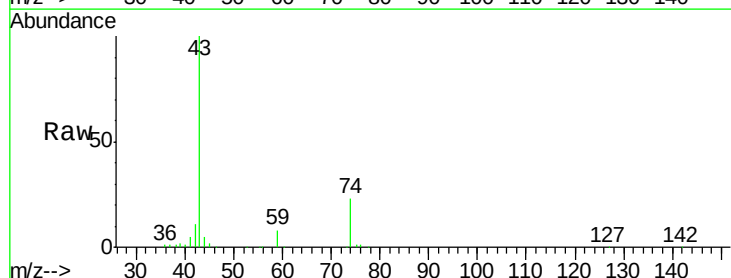
Manual Integrations
APPROVED

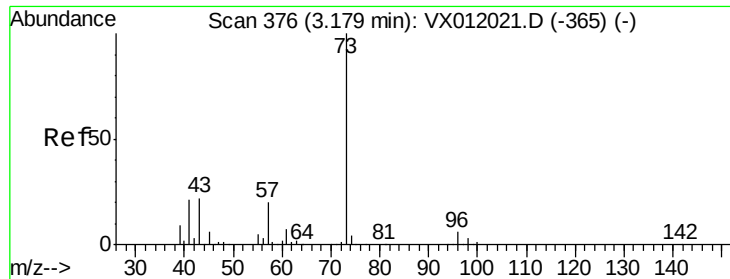
MMDadoda
9/9/2019 8:42:57 AM



#18
Methyl Acetate
Concen: 62.235 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	49353		
74	23.8		19.5	29.3





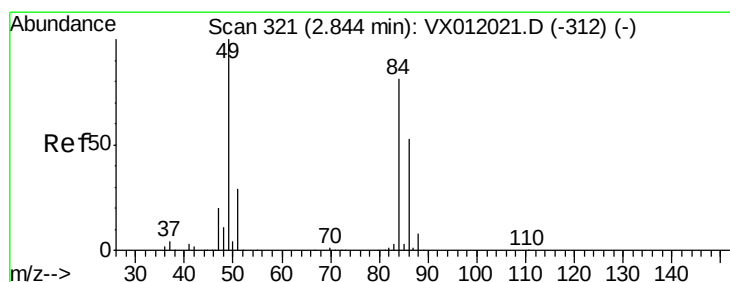
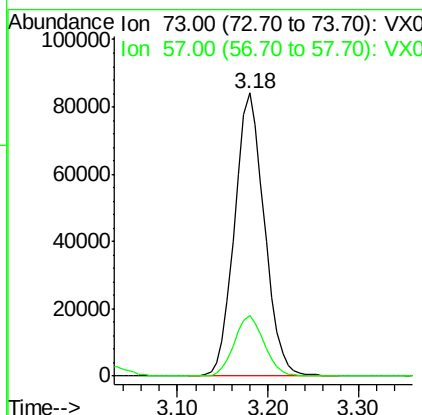
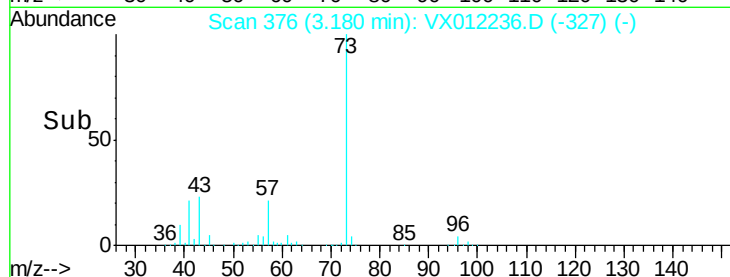
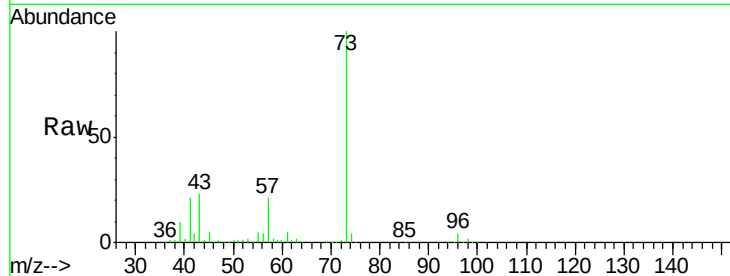
#19
Methvl tert-butyl Ether
Concen: 58.535 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.6	25.0

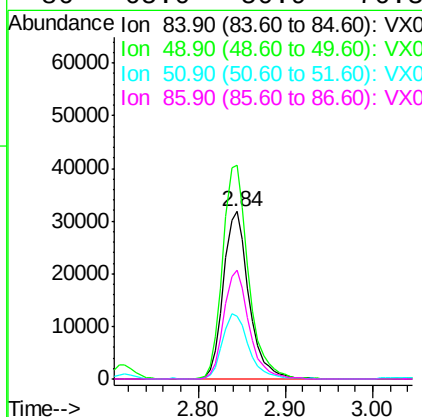
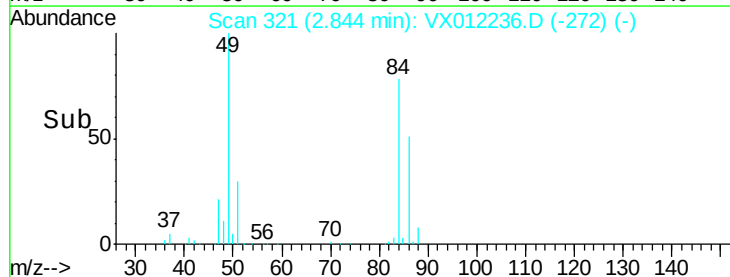
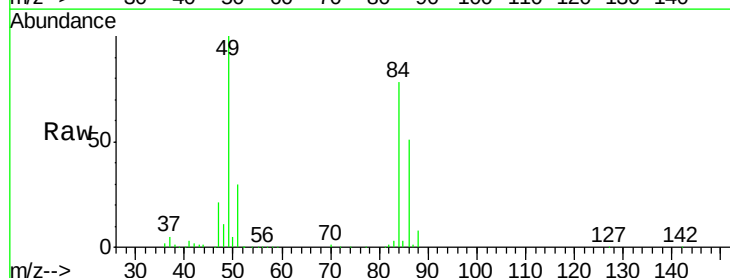
Manual Integrations
APPROVED

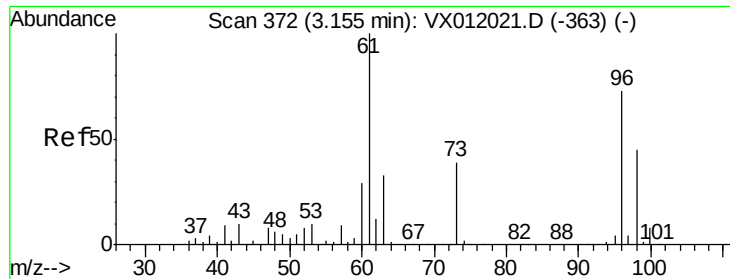
MMDadoda
9/9/2019 8:42:57 AM



#20
Methylene Chloride
Concen: 47.735 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.6	95.8	143.8
51	37.9	28.6	43.0
86	65.0	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 49.353 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 58209

Ion Ratio Lower Upper

96 100

61 150.2 107.0 160.6

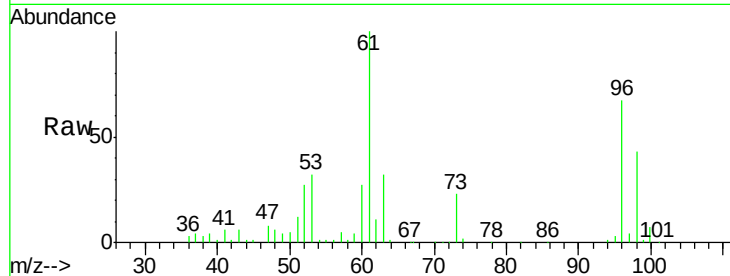
98 64.7 49.8 74.6

Manual Integrations

APPROVED

MMDadoda

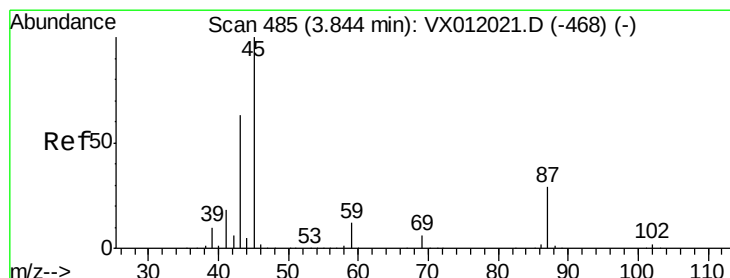
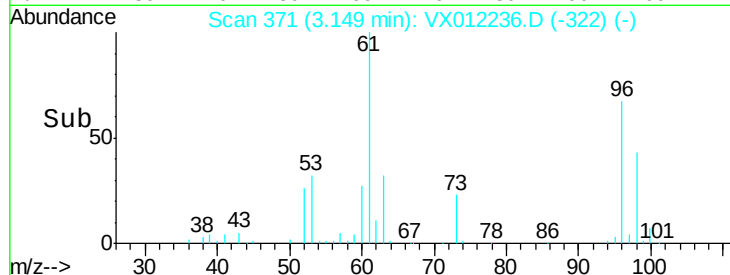
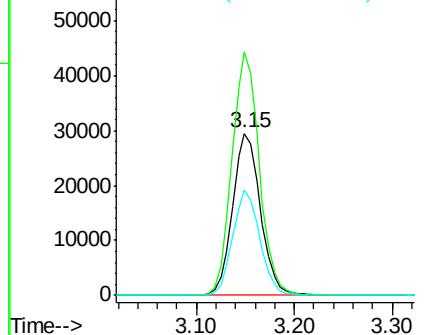
9/9/2019 8:42:57 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 60.236 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Tgt Ion: 45 Resp: 223288

Ion Ratio Lower Upper

45 100

43 70.8 54.2 81.4

87 27.0 23.4 35.0

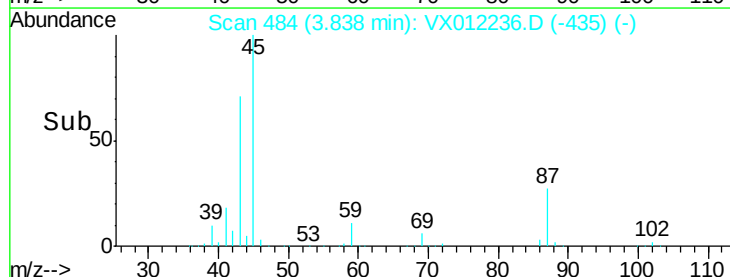
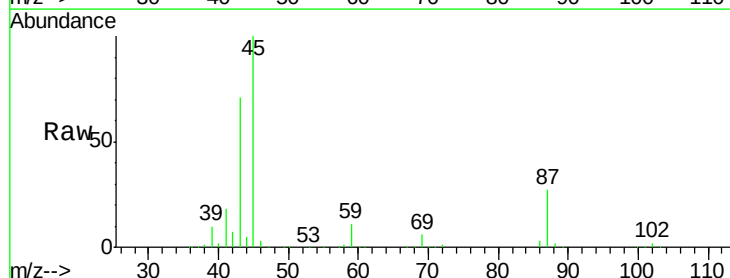
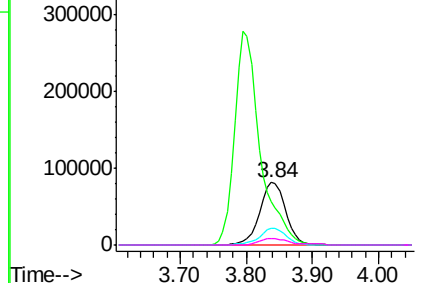
59 11.3 9.0 13.6

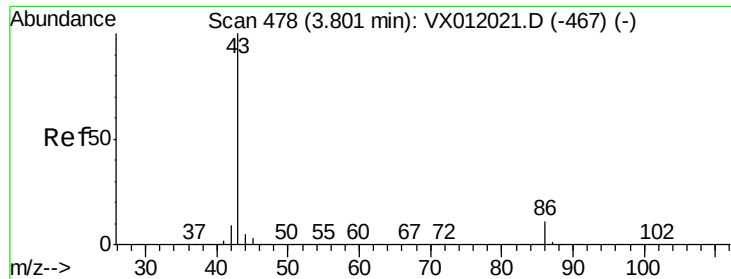
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 310.051 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 743491

Ion Ratio Lower Upper

43 100

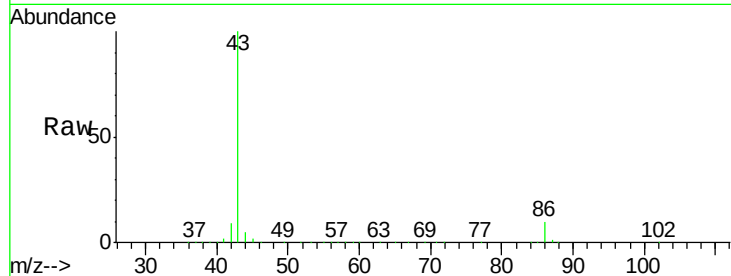
86 10.1 9.0 13.6

Manual Integrations

APPROVED

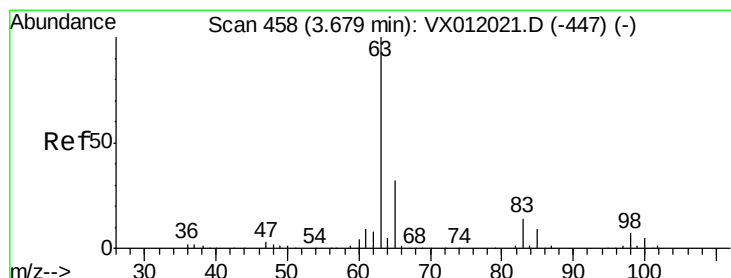
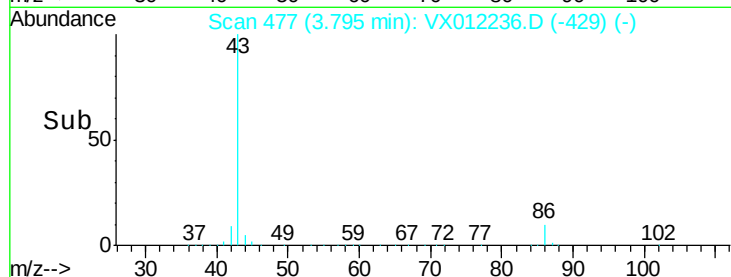
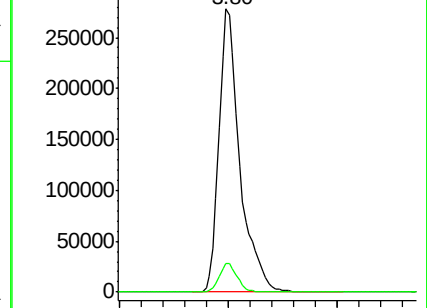
MMDadoda

9/9/2019 8:42:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.872 ug/l

RT: 3.68 min Scan# 458

Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

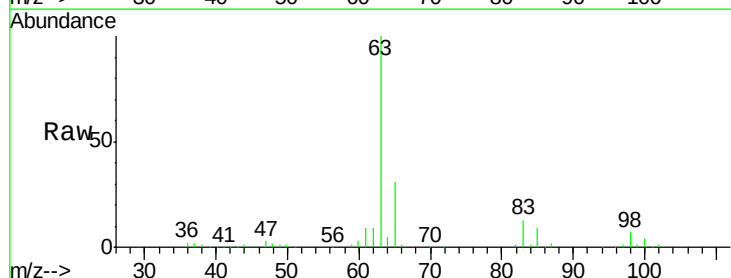
Tgt Ion: 63 Resp: 115821

Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.7

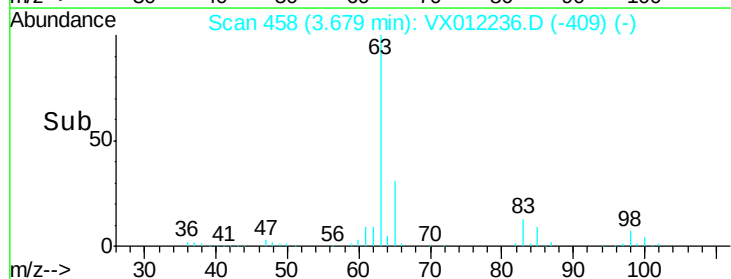
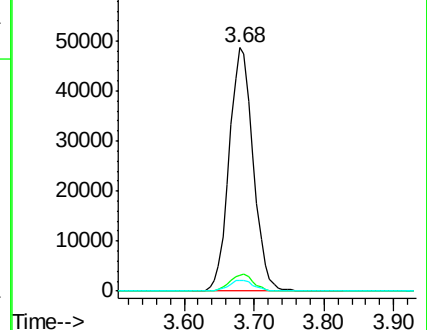
100 4.3 2.5 7.4

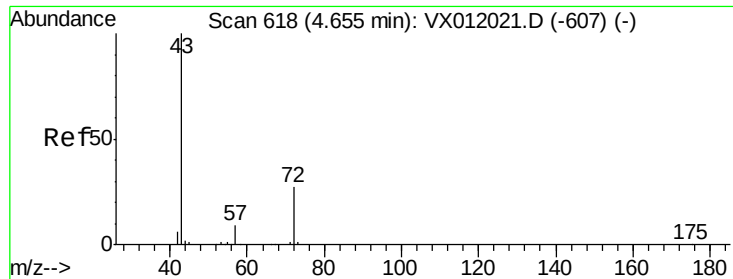


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 362.827 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Tot Ion: 43 Resp: 155474

Ion Ratio Lower Upper

43 100

72 24.0 21.3 31.9

Instrument :

MSVOA_X

ClientSampleId :

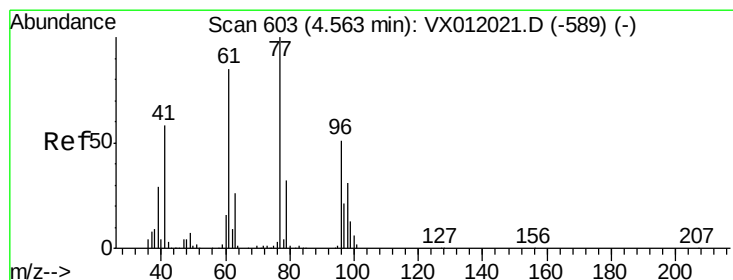
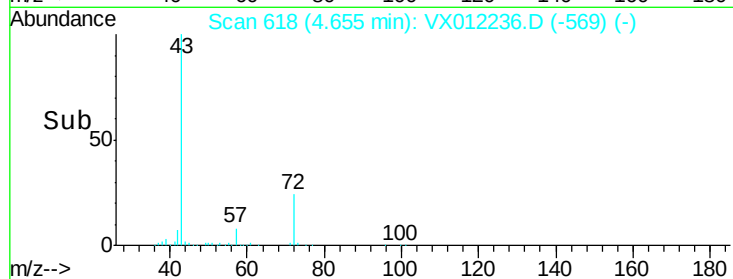
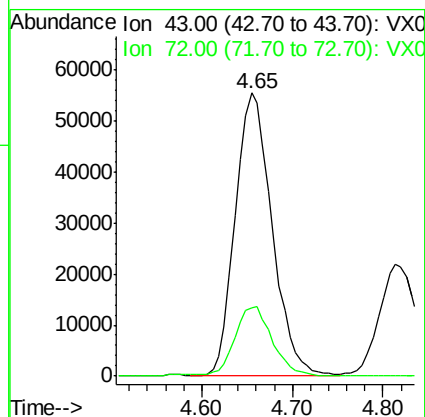
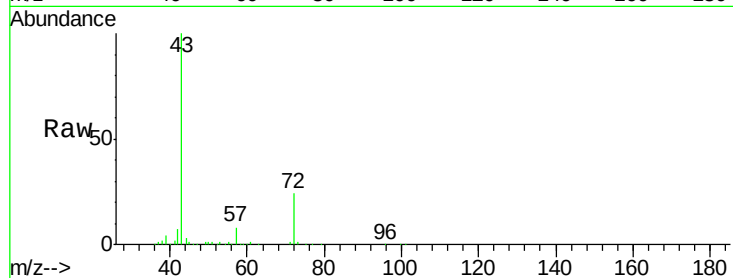
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

9/9/2019 8:42:57 AM



#26

2,2-Dichloropropane

Concen: 44.020 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012236.D

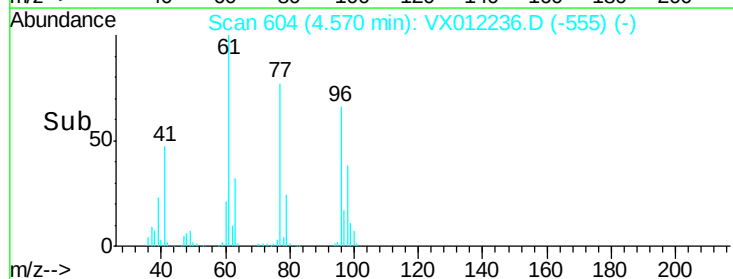
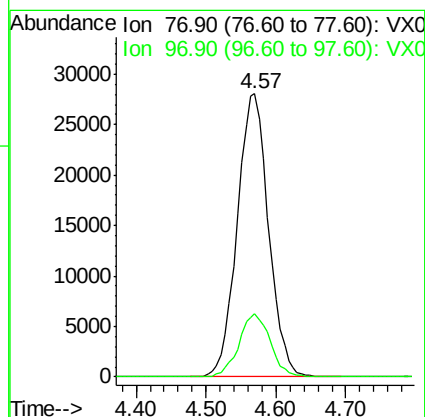
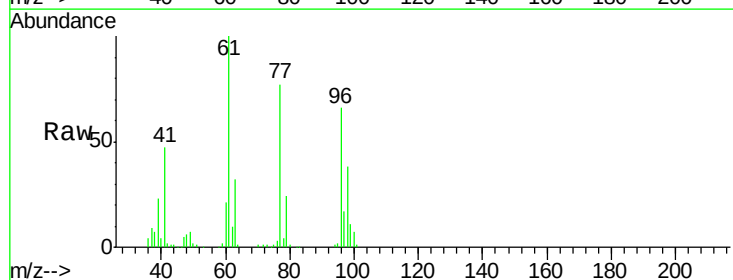
Acq: 08 Sep 2019 21:19

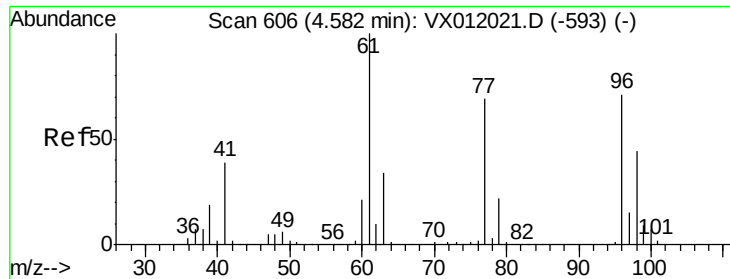
Tgt Ion: 77 Resp: 87375

Ion Ratio Lower Upper

77 100

97 22.2 11.5 34.5





#27

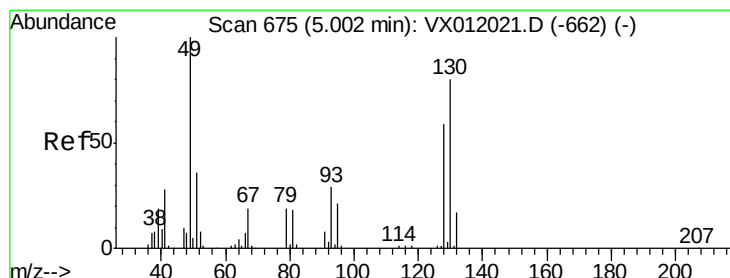
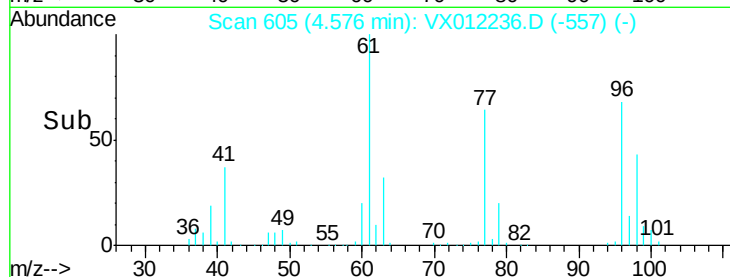
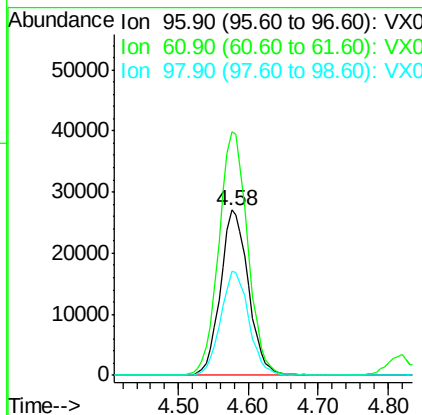
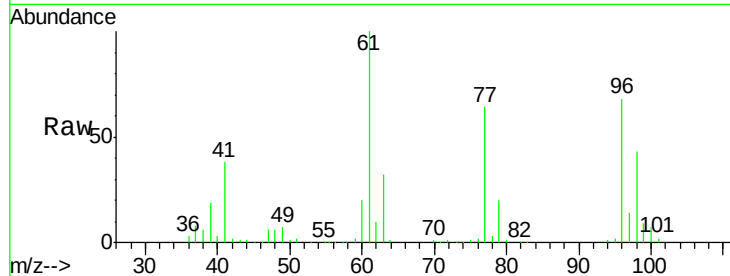
cis-1,2-Dichloroethene
Concen: 54.150 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	74865		
61	152.9		0.0	277.0
98	63.0		0.0	128.4

Manual Integrations
APPROVED

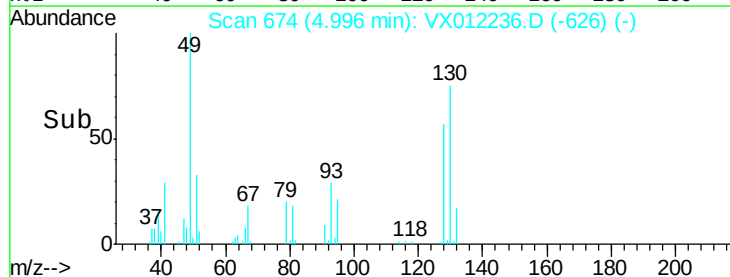
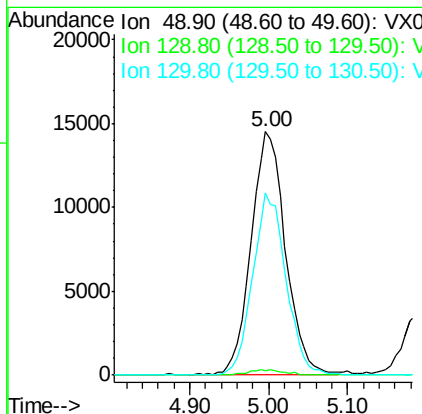
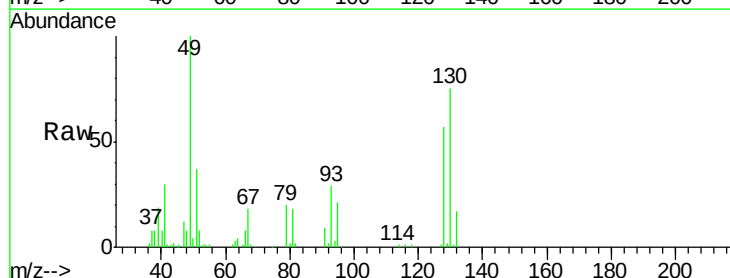
MMDadoda
9/9/2019 8:42:57 AM

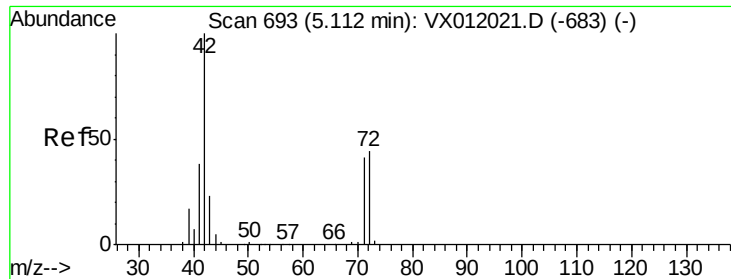


#28

Bromochloromethane
Concen: 51.408 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	44118		
129	2.2		0.0	5.6
130	72.2		76.7	115.1#





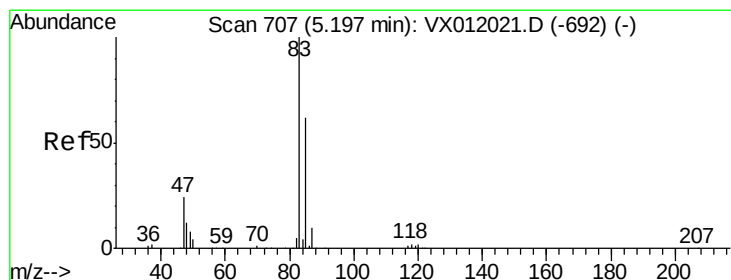
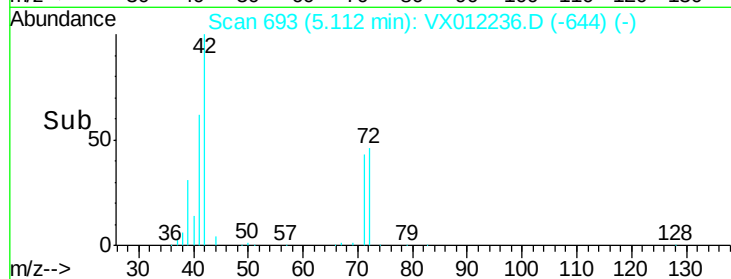
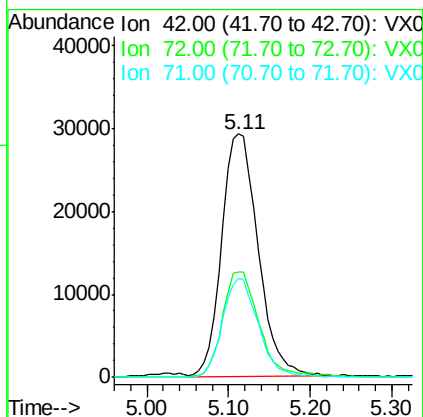
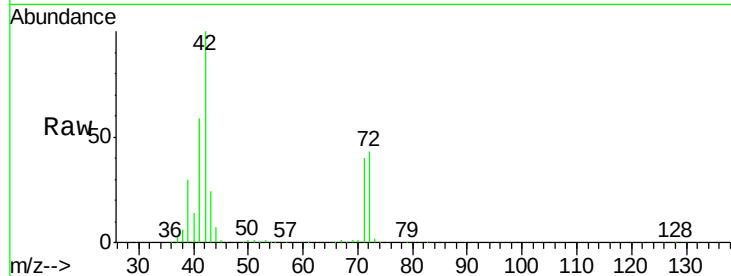
#29
Tetrahydrofuran
Concen: 350.560 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	37.0	55.4
71	40.1	33.8	50.8

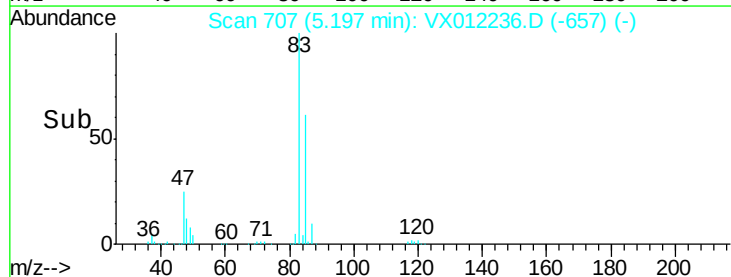
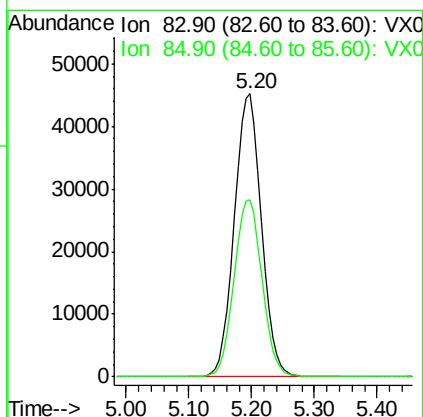
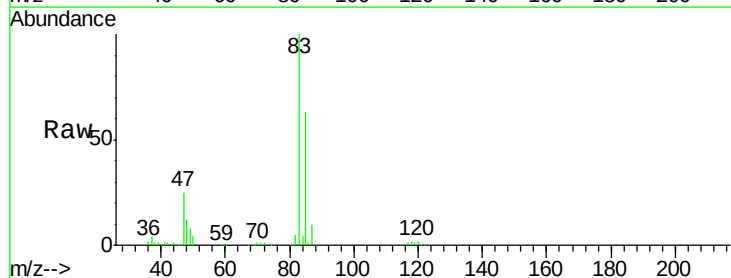
Manual Integrations
APPROVED

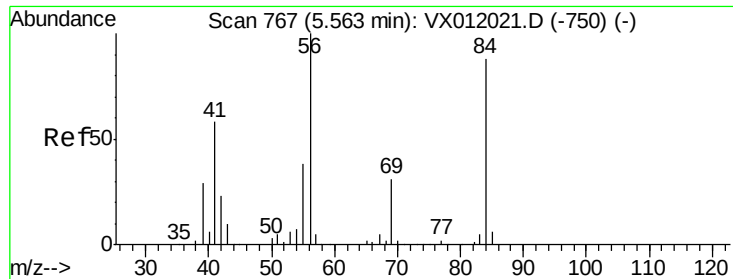
MMDadoda
9/9/2019 8:42:57 AM



#30
Chloroform
Concen: 58.787 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.01 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.6	78.8





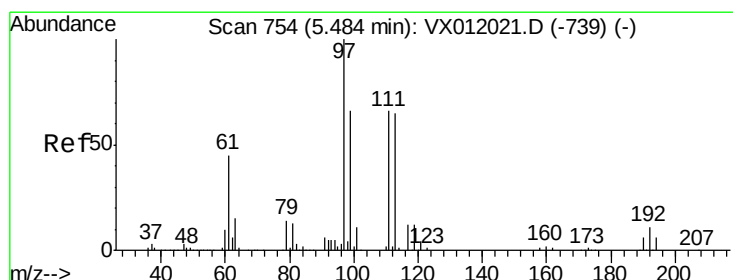
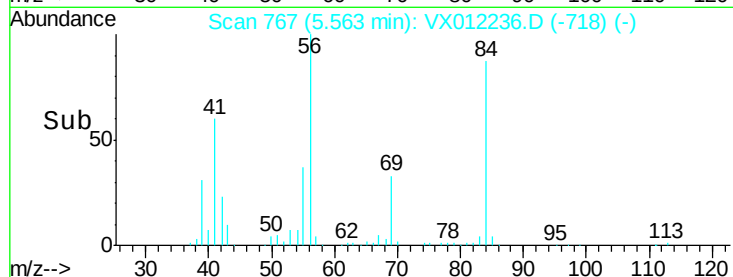
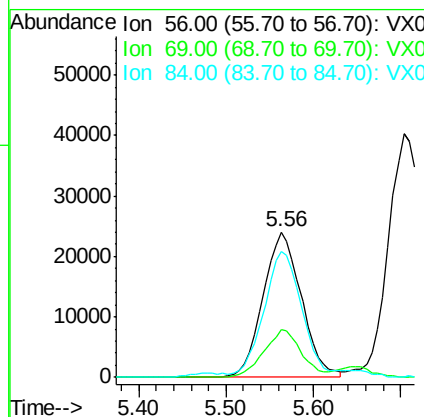
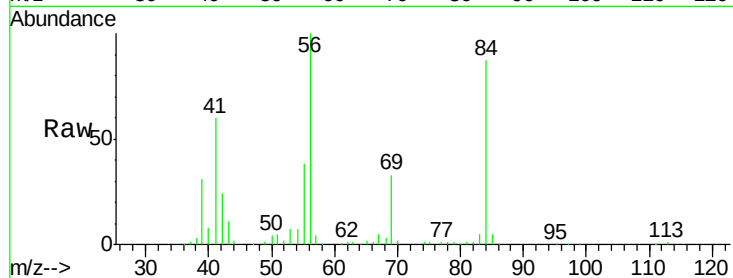
#31
Cyclohexane
Concen: 42.564 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 73493
Ion Ratio Lower Upper
56 100
69 32.9 25.7 38.5
84 85.2 70.3 105.5

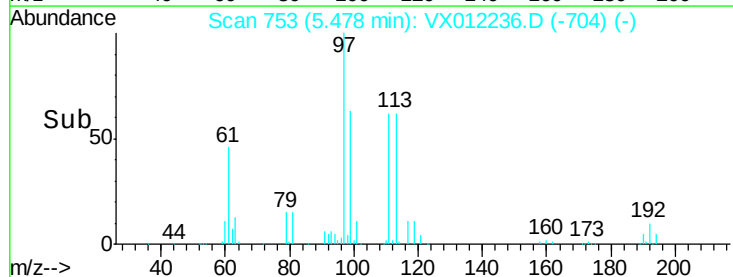
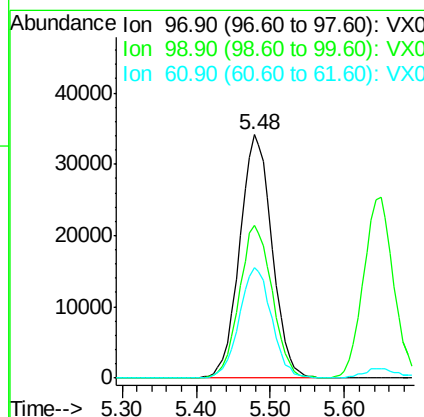
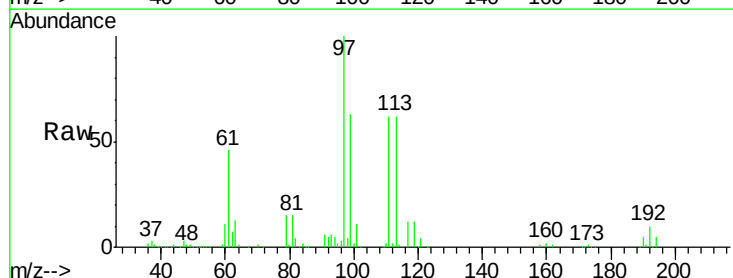
Manual Integrations
APPROVED

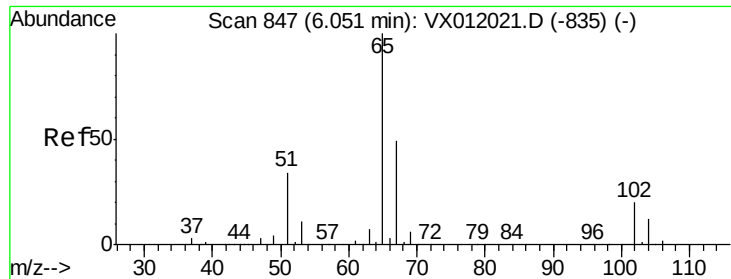
MMDadoda
9/9/2019 8:42:57 AM



#32
1,1,1-Trichloroethane
Concen: 51.757 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion: 97 Resp: 103988
Ion Ratio Lower Upper
97 100
99 63.8 52.1 78.1
61 45.5 32.8 49.2





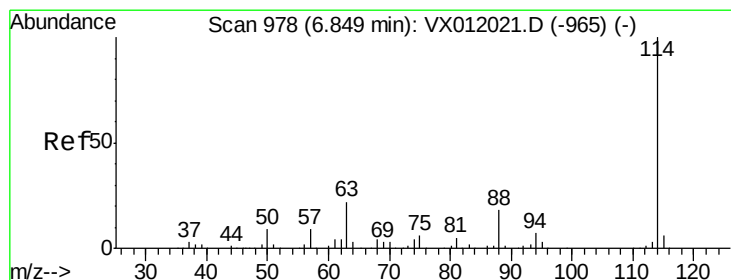
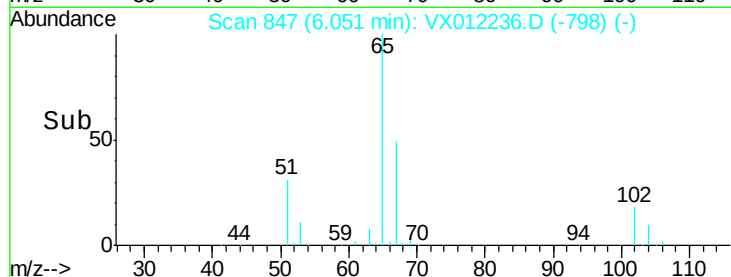
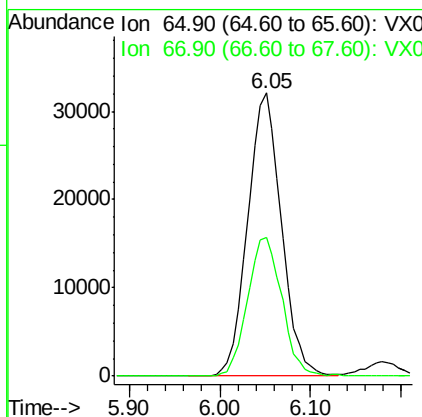
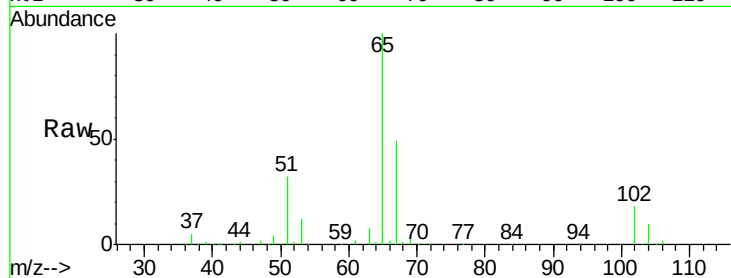
#33
 1,2-Dichloroethane-d4
 Concen: 58.552 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 82464
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 102.0

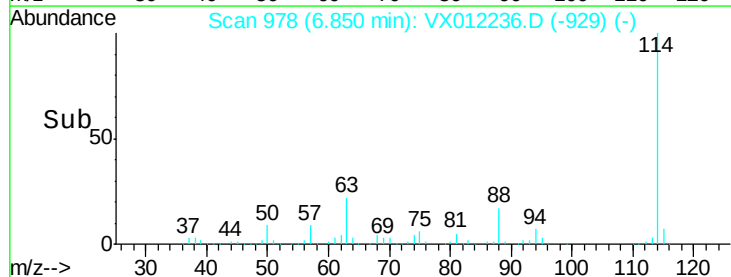
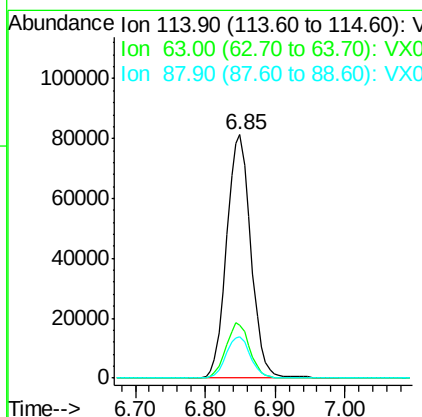
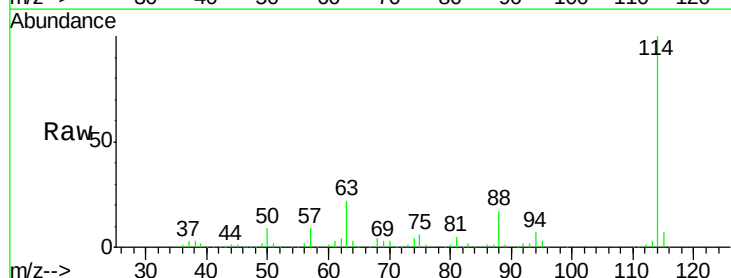
Manual Integrations
 APPROVED

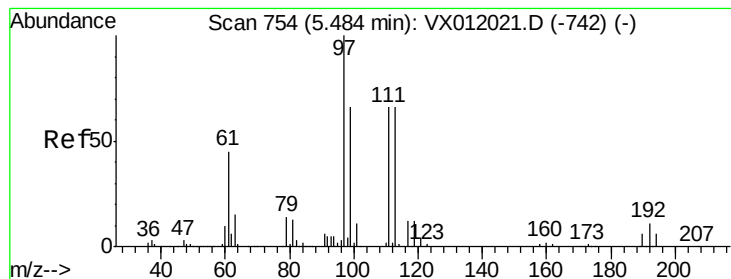
MMDadoda
 9/9/2019 8:42:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Tgt Ion: 114 Resp: 196069
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 37.4
 88 16.8 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.284 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 63042

Ion Ratio Lower Upper

113 100

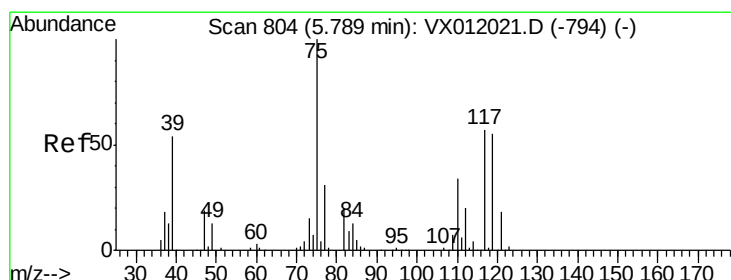
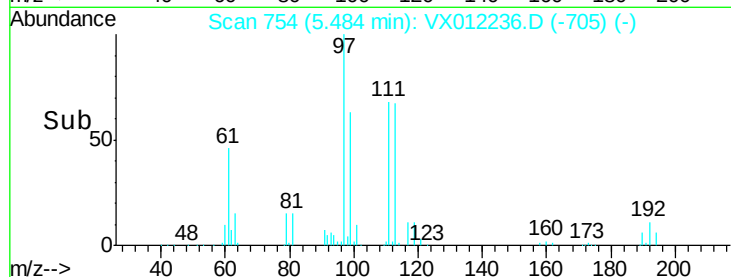
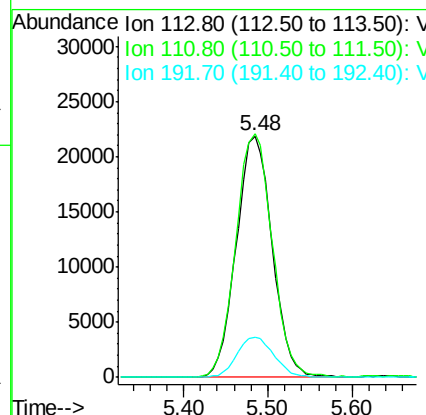
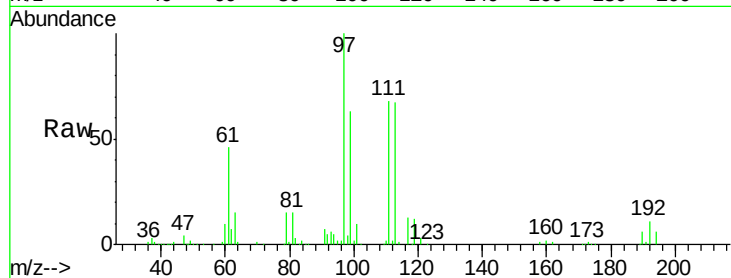
111 102.8 81.7 122.5

192 17.1 22.5 33.7#

Manual Integrations
APPROVED

MMDadoda

9/9/2019 8:42:57 AM



#36

1,1-Dichloropropene

Concen: 45.499 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

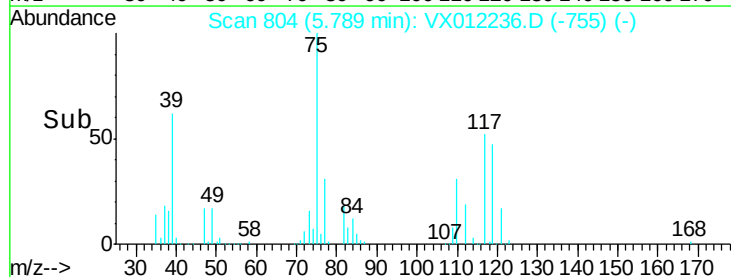
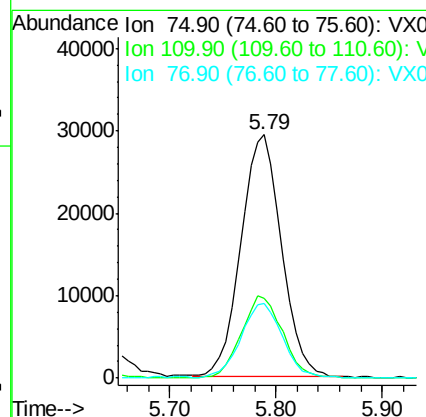
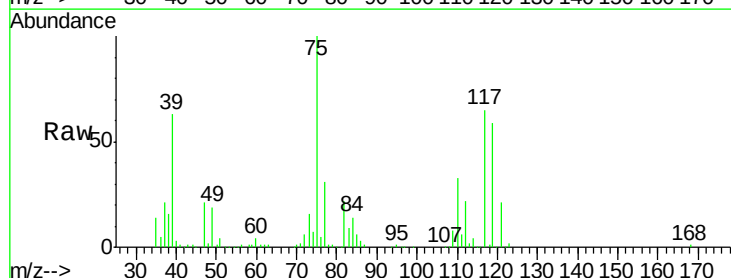
Tgt Ion: 75 Resp: 78572

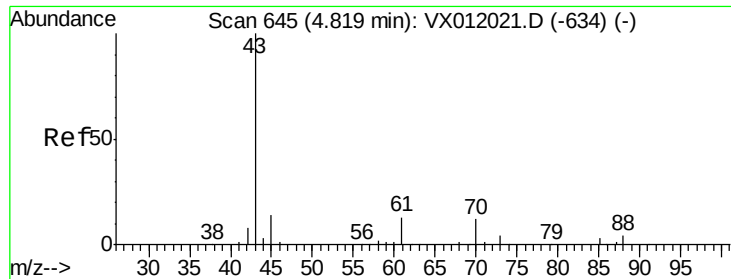
Ion Ratio Lower Upper

75 100

110 34.4 19.5 58.5

77 32.2 24.6 37.0





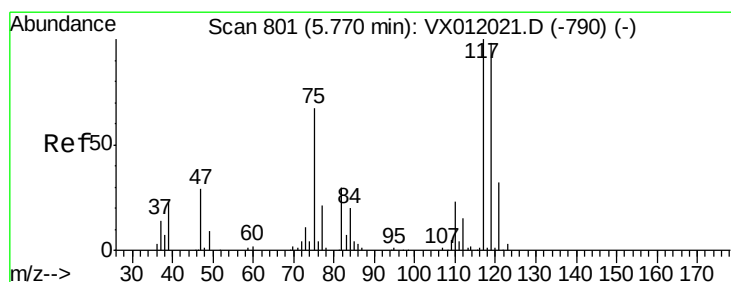
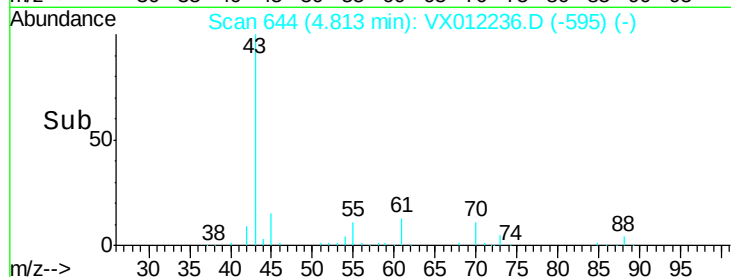
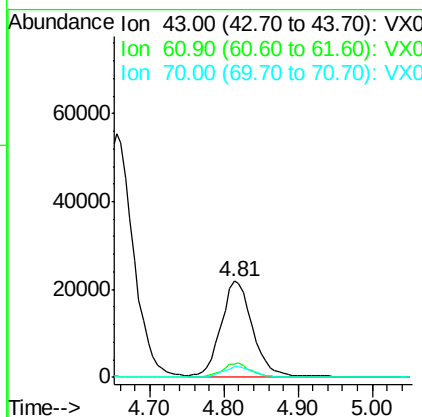
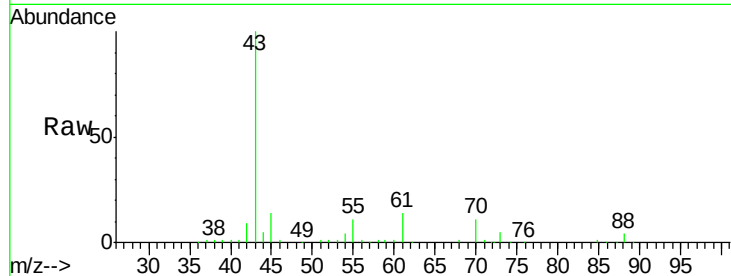
#37
Ethyl Acetate
Concen: 68.234 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	11.2	9.4	14.0

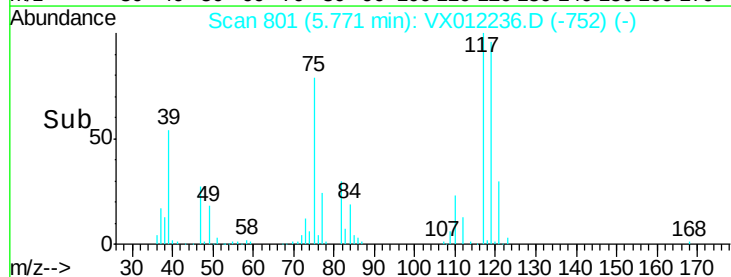
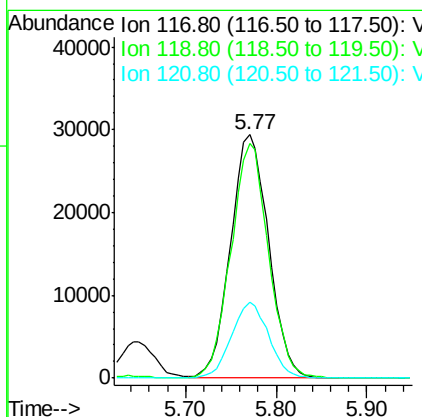
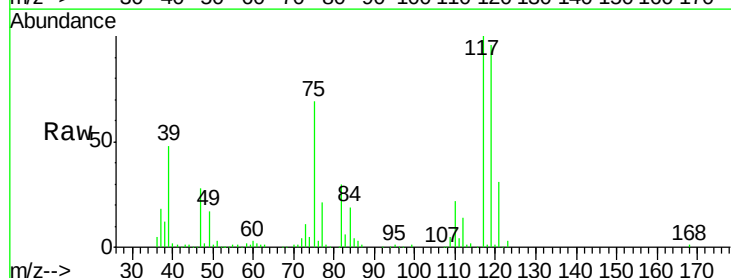
Manual Integrations
APPROVED

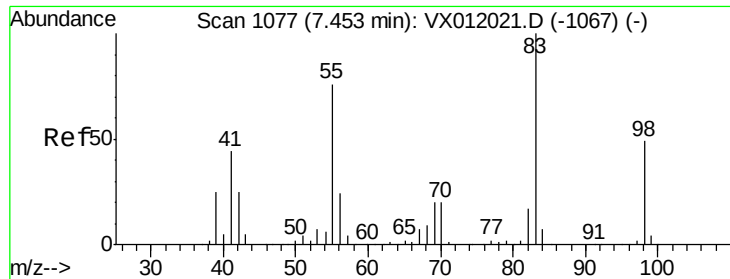
MMDadoda
9/9/2019 8:42:57 AM



#38
Carbon Tetrachloride
Concen: 47.169 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.3	117.5
121	30.9	24.2	36.2





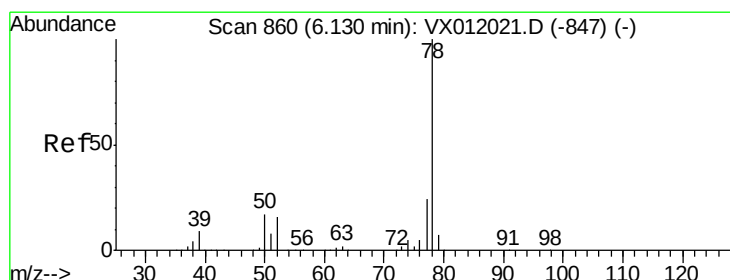
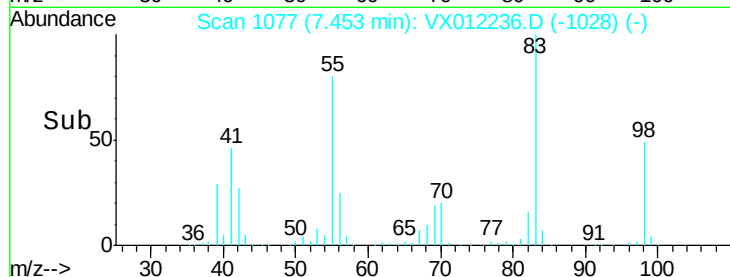
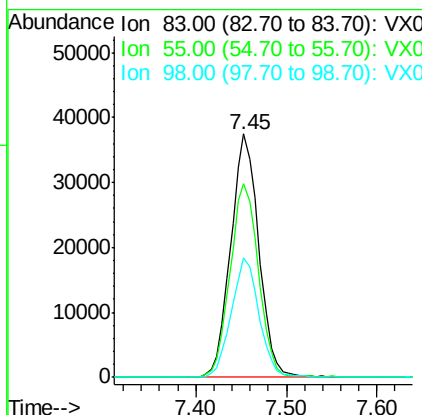
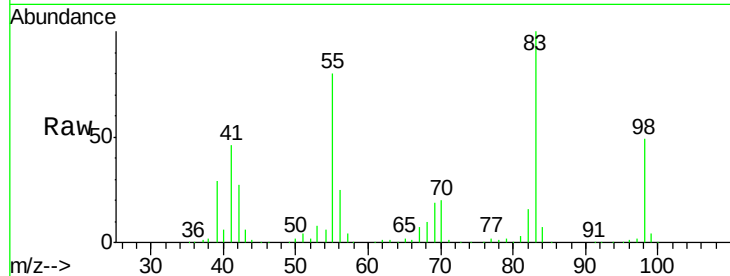
#39
Methylvlcyclohexane
Concen: 40.224 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	59.6	89.4
98	48.8	41.4	62.0

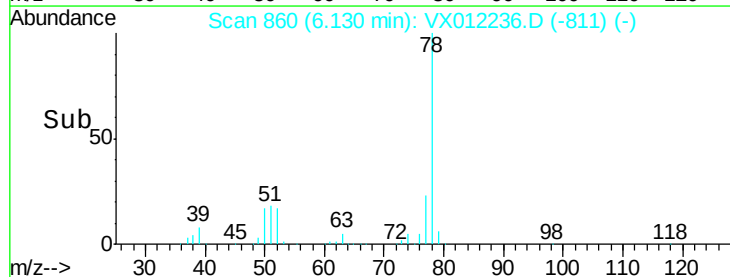
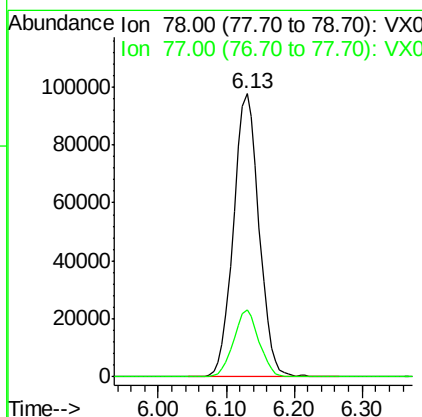
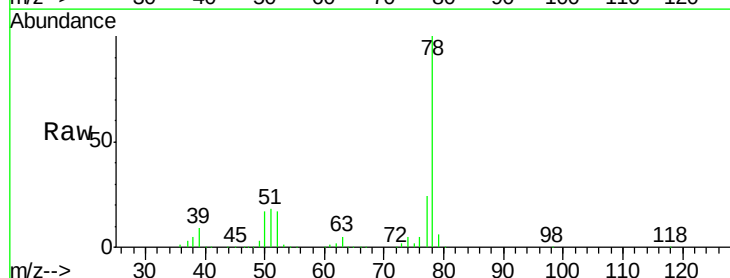
Manual Integrations
APPROVED

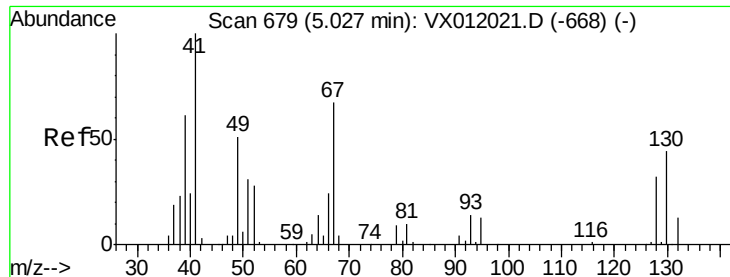
MMDadoda
9/9/2019 8:42:57 AM



#40
Benzene
Concen: 51.449 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9





#41

Methacrylonitrile

Concen: 70.449 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 39452

Ion Ratio Lower Upper

41 100

39 57.8 46.7 70.1

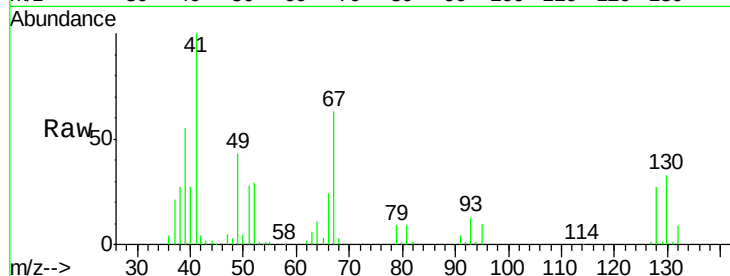
67 67.2 57.0 85.6

52 31.3 23.5 35.3

Manual Integrations
APPROVED

MMDadoda

9/9/2019 8:42:57 AM



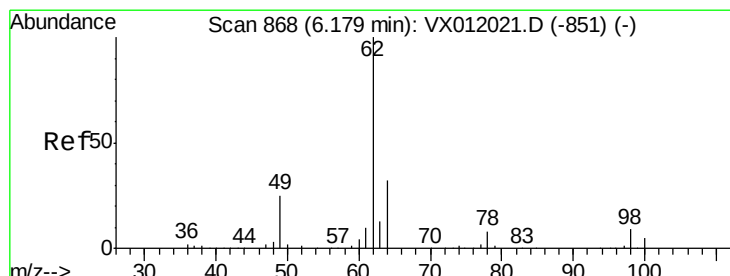
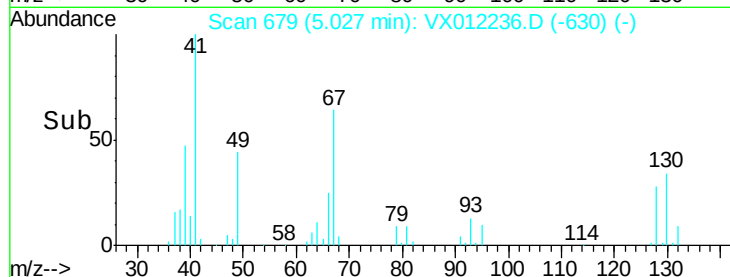
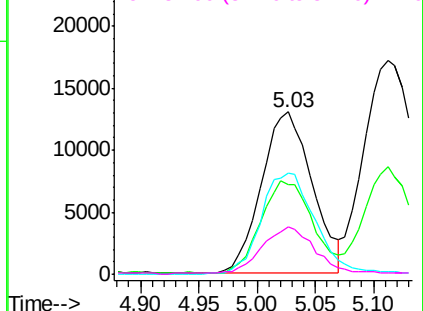
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 62.190 ug/l

RT: 6.18 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX012236.D

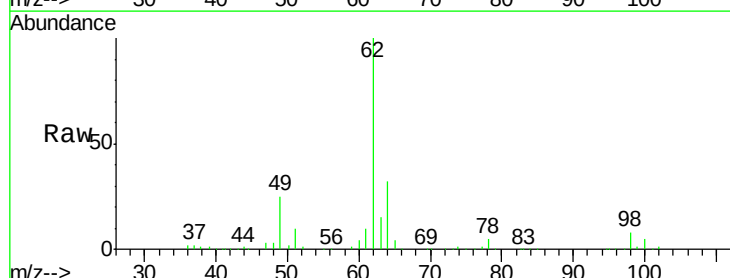
Acq: 08 Sep 2019 21:19

Tgt Ion: 62 Resp: 110950

Ion Ratio Lower Upper

62 100

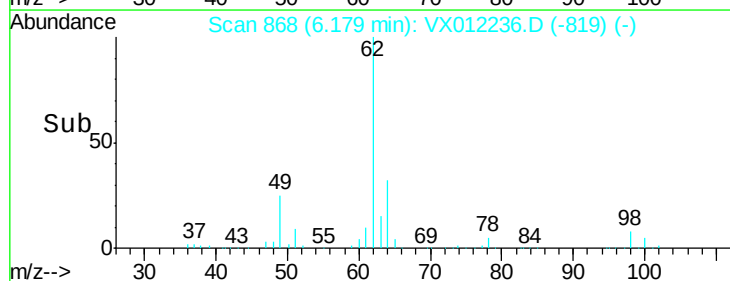
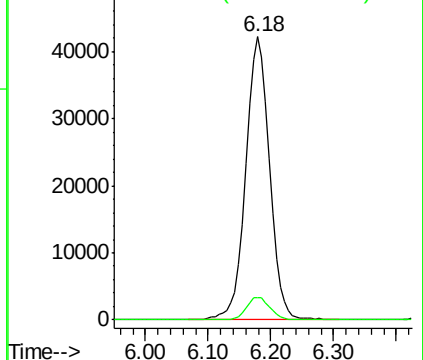
98 8.0 0.0 19.2

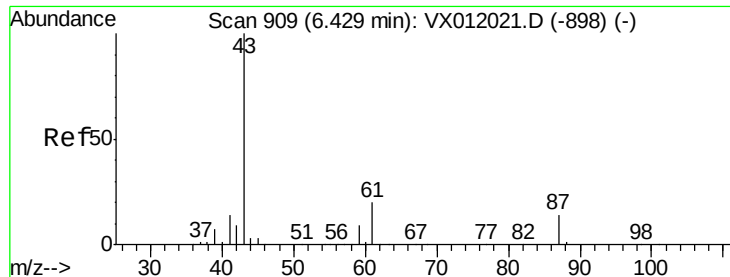


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 69.818 ug/l

RT: 6.43 min Scan# 909

Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

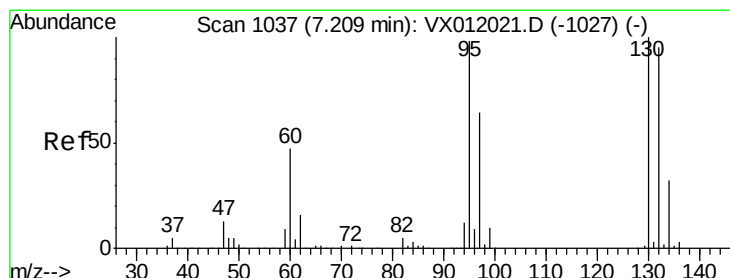
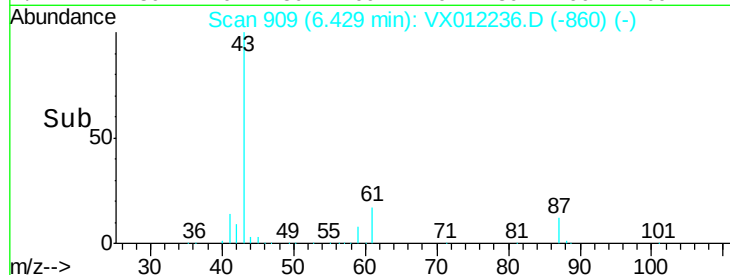
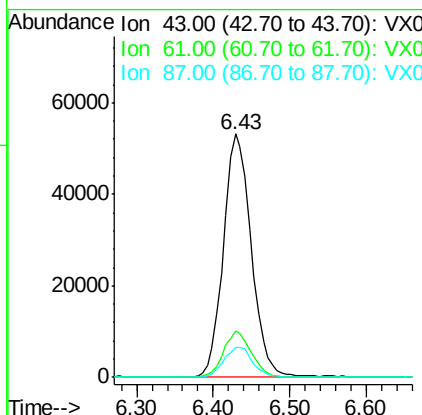
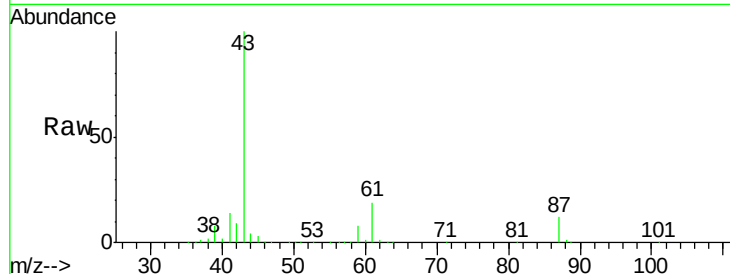
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	133311
Ion	Ratio	Lower	Upper
43	100		
61	19.0	16.1	24.1
87	12.7	11.3	16.9

Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:42:57 AM



#44

Trichloroethene

Concen: 51.032 ug/l

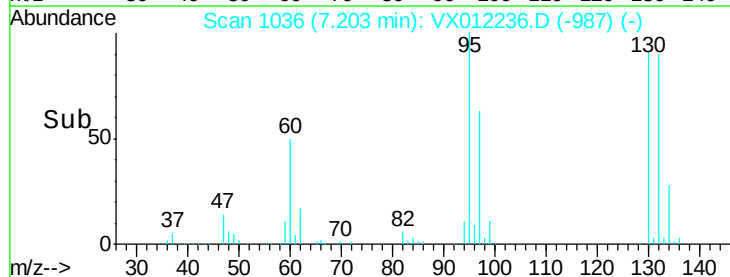
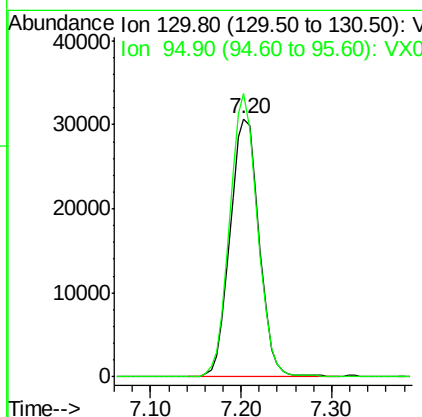
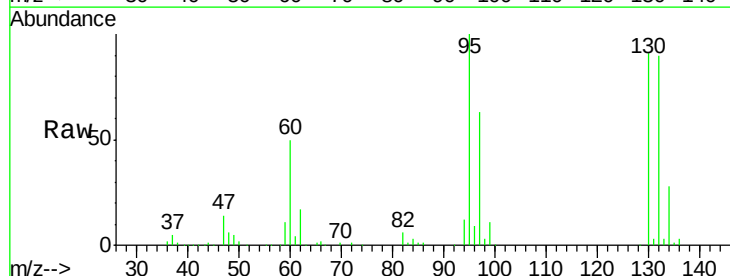
RT: 7.20 min Scan# 1036

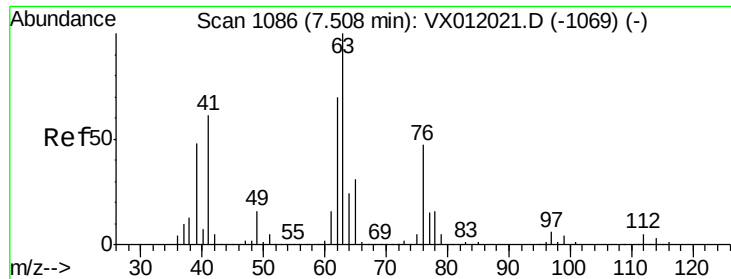
Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Tgt Ion:	130	Resp:	68237
Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	176.4





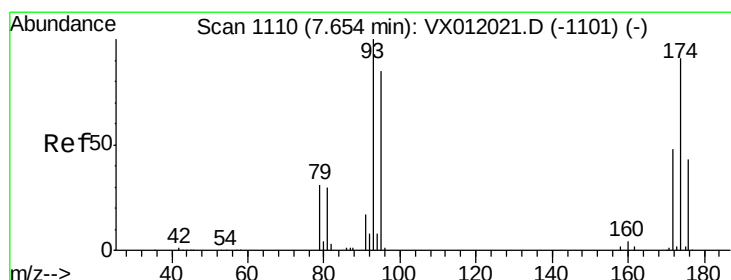
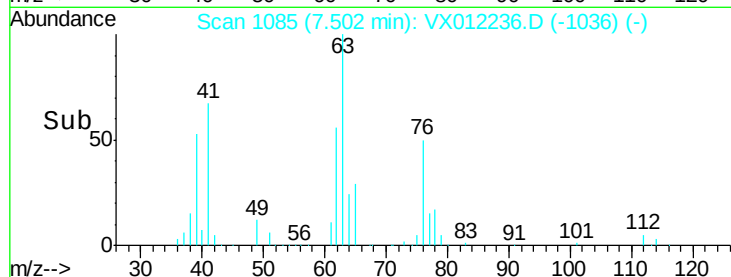
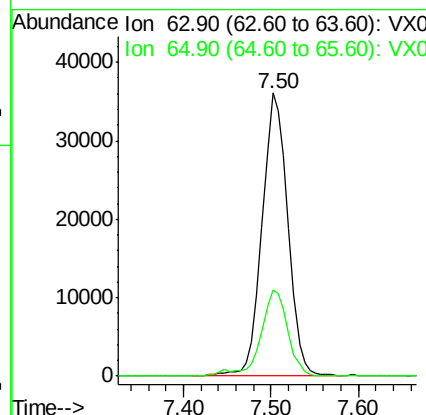
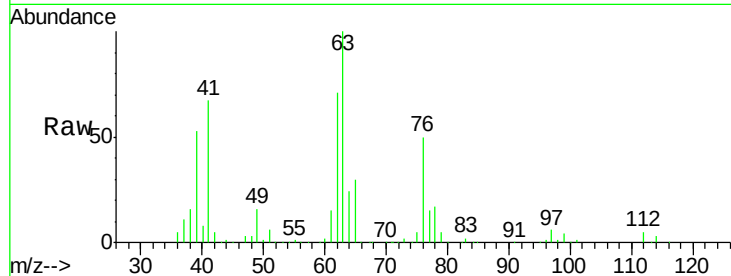
#45
 1,2-Dichloropropane
 Concen: 57.676 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 73874
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

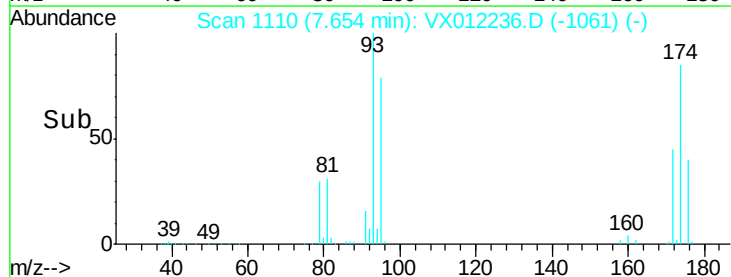
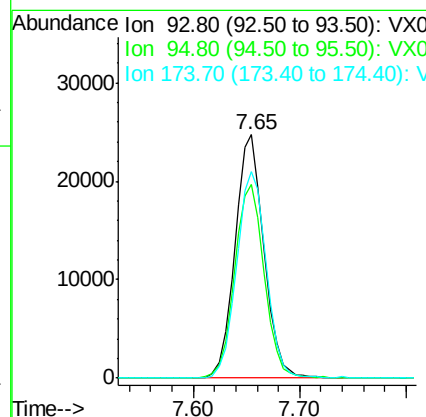
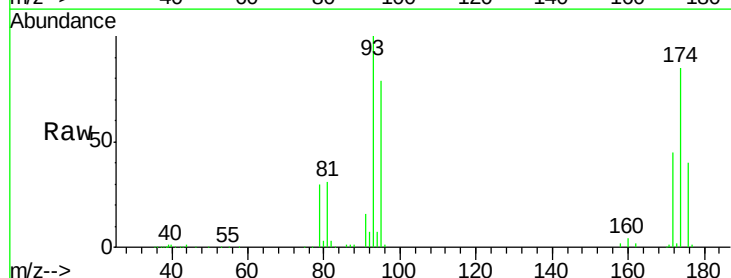
Manual Integrations
 APPROVED

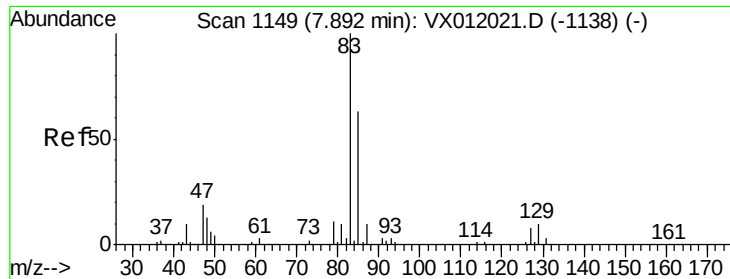
MMDadoda
 9/9/2019 8:42:57 AM



#46
 Dibromomethane
 Concen: 63.070 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Tgt Ion: 93 Resp: 47158
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.2 99.2
 174 86.7 110.2 165.4#





#47

Bromodichloromethane

Concen: 62.351 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

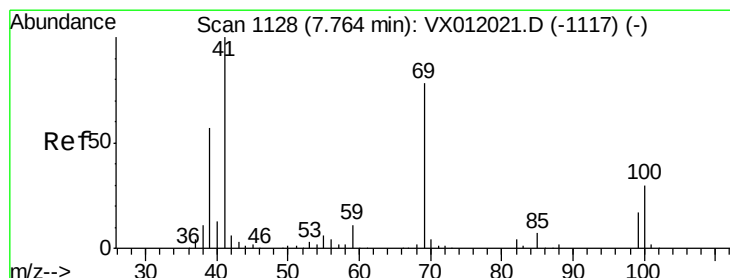
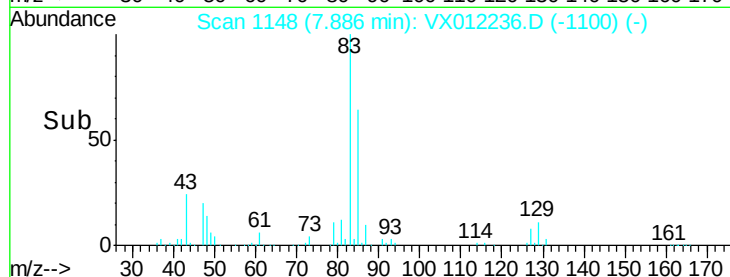
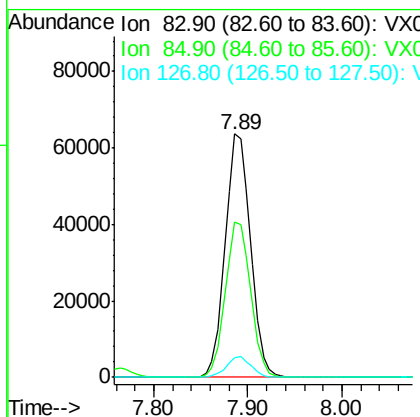
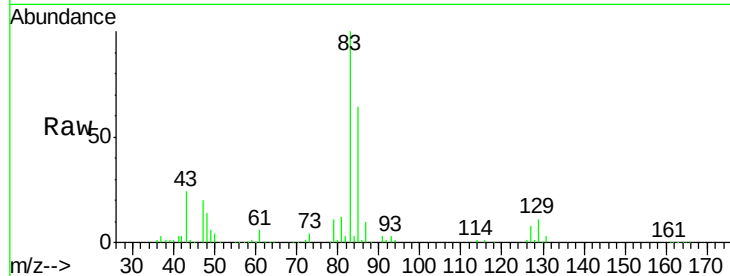
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	118502
Ion Ratio		Lower	Upper
83	100		
85	63.7	50.3	75.5
127	8.3	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:42:57 AM



#48

Methyl methacrylate

Concen: 70.777 ug/l

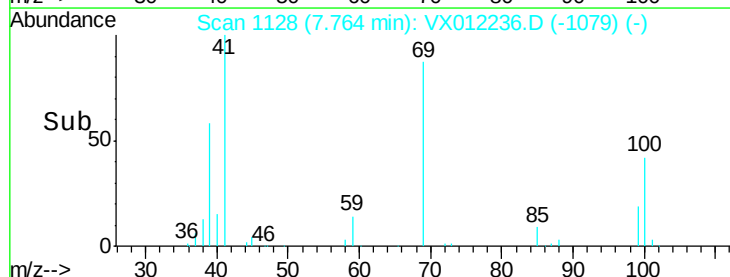
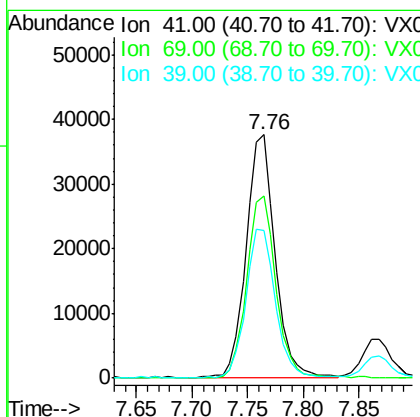
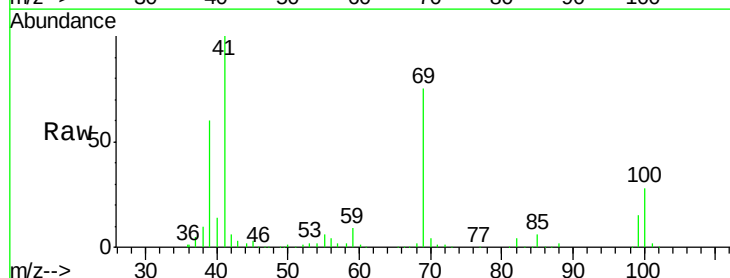
RT: 7.76 min Scan# 1128

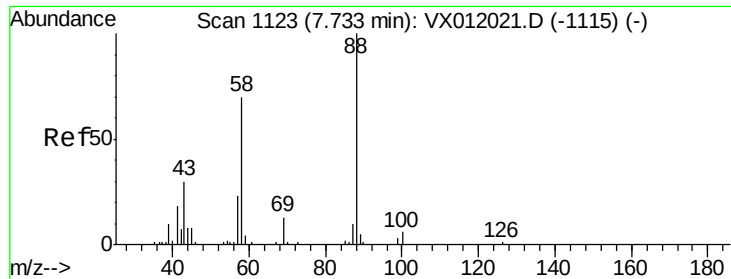
Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Tgt Ion:	41	Resp:	67951
Ion Ratio		Lower	Upper
41	100		
69	75.8	66.3	99.5
39	61.8	48.1	72.1





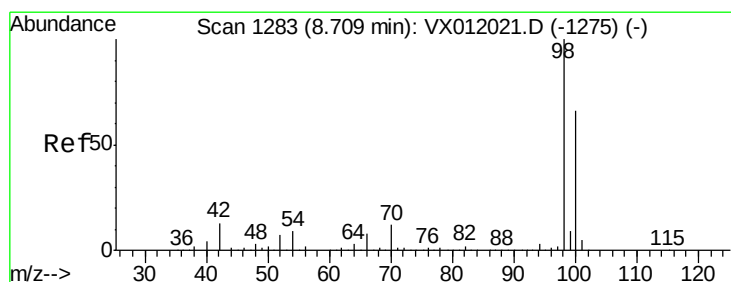
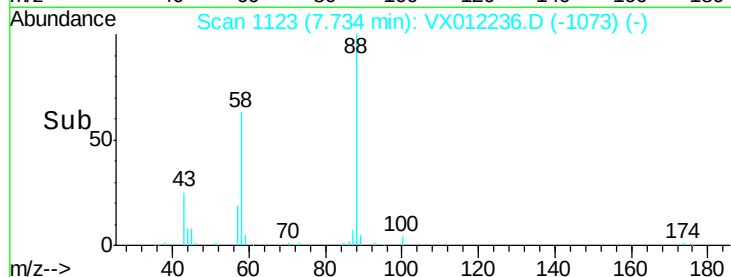
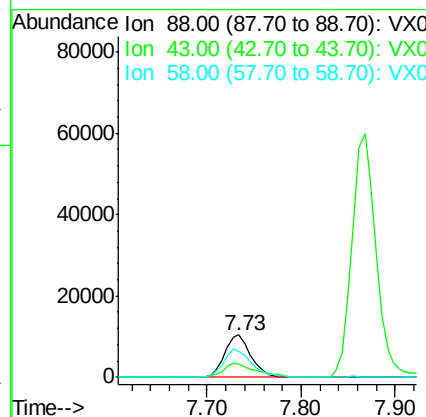
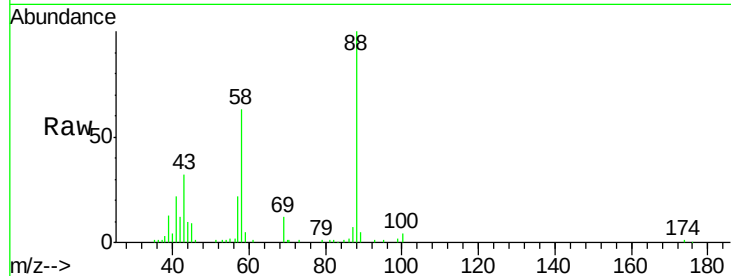
#49
1,4-Dioxane
Concen: 1567.029 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	20509		
43	41.2		29.8	44.6
58	71.1		55.4	83.2

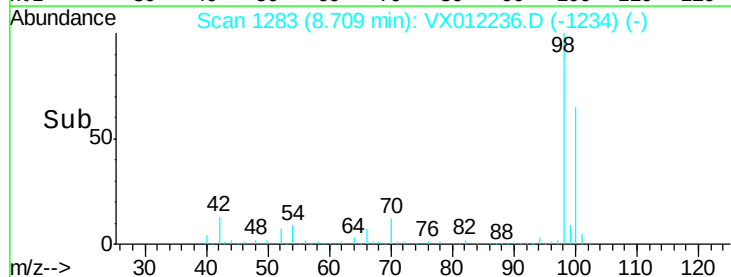
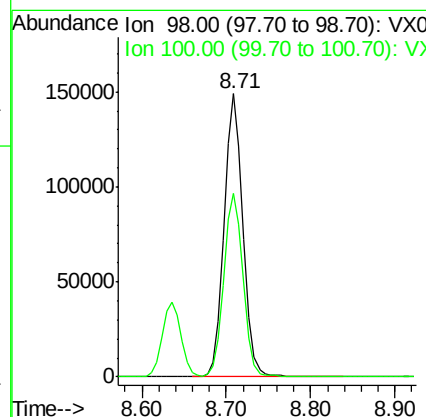
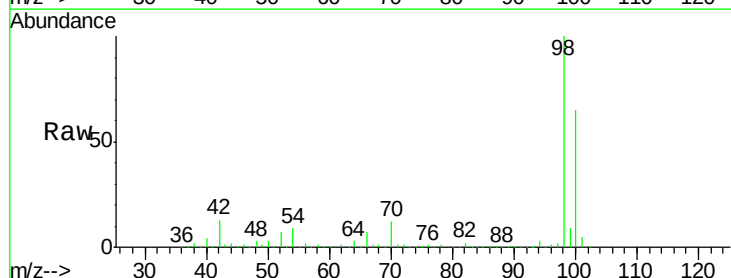
Manual Integrations
APPROVED

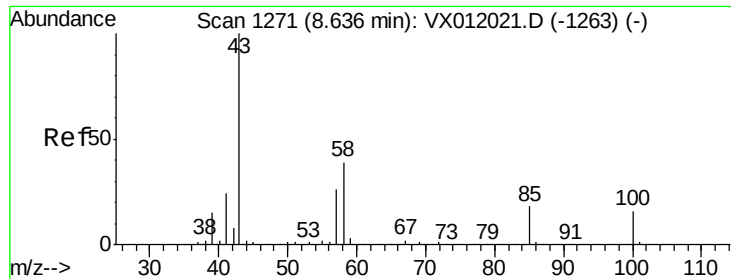
MMDadoda
9/9/2019 8:42:57 AM



#50
Toluene-d8
Concen: 51.982 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	230002		
100	66.9		53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 409.361 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 397573

Ion Ratio Lower Upper

43 100

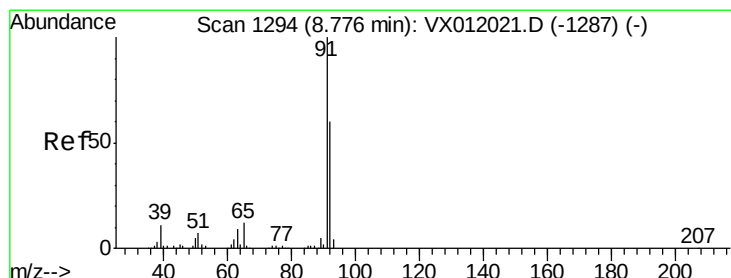
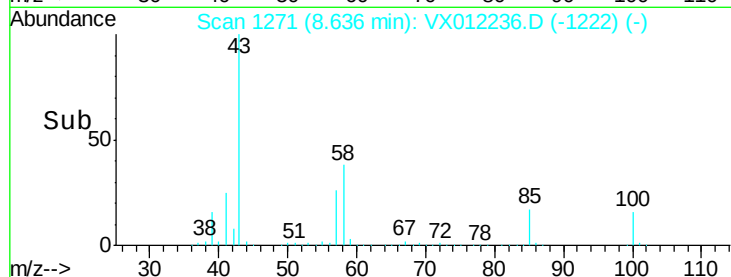
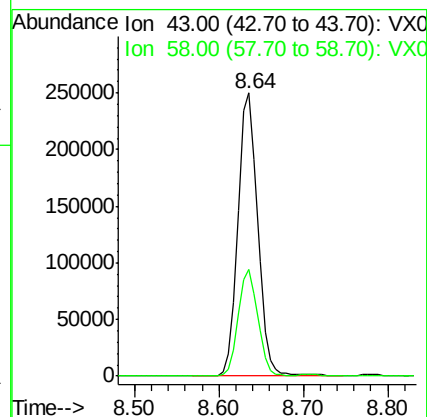
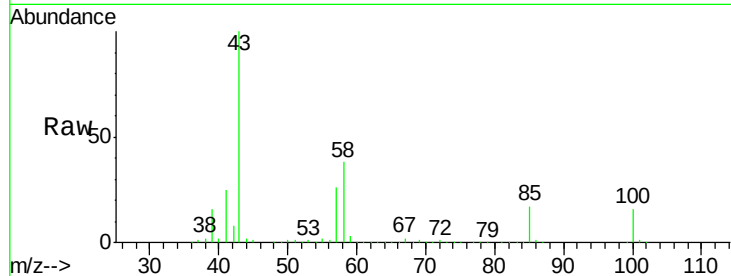
58 37.3 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

9/9/2019 8:42:57 AM



#52

Toluene

Concen: 54.766 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012236.D

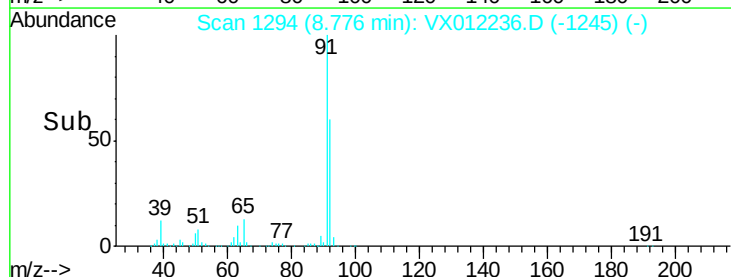
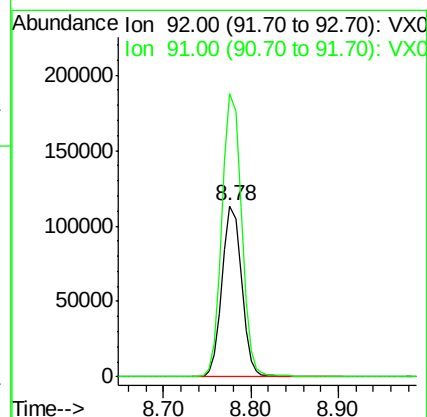
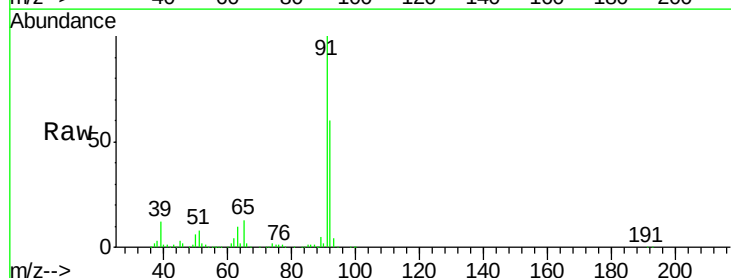
Acq: 08 Sep 2019 21:19

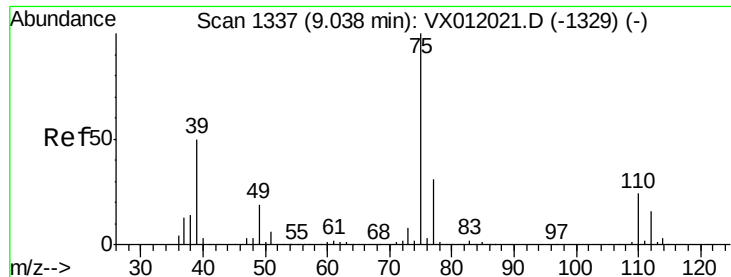
Tgt Ion: 92 Resp: 176655

Ion Ratio Lower Upper

92 100

91 166.2 136.0 204.0





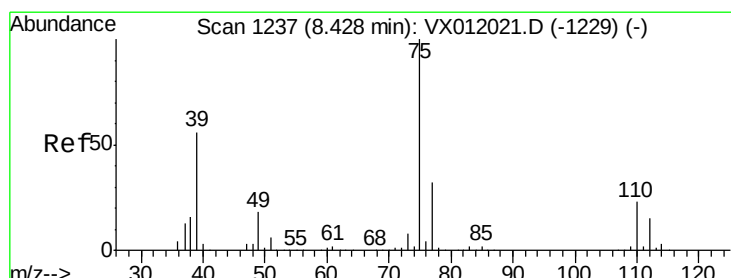
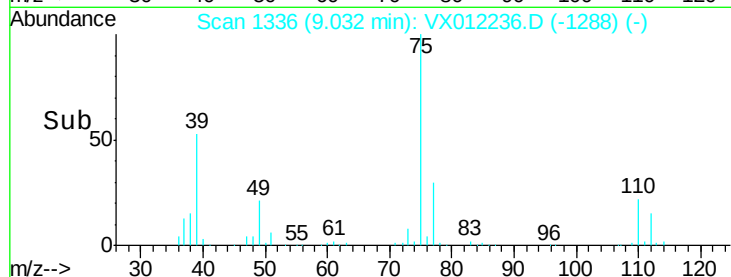
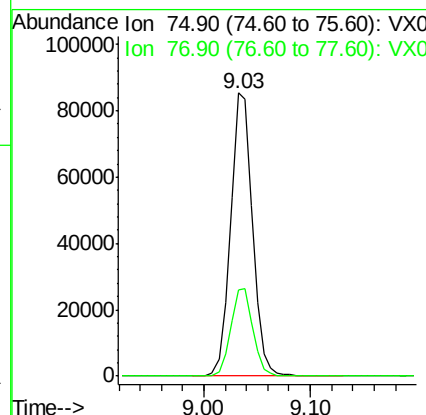
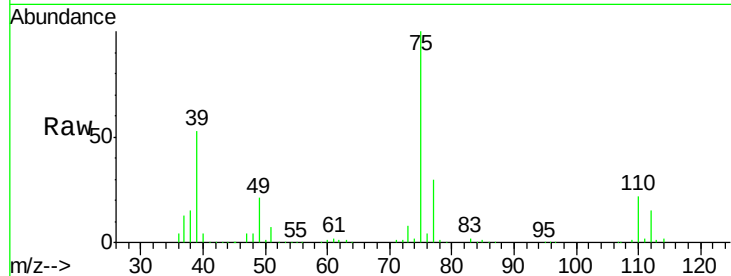
#53
 t-1,3-Dichloropropene
 Concen: 62.530 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.1	37.7

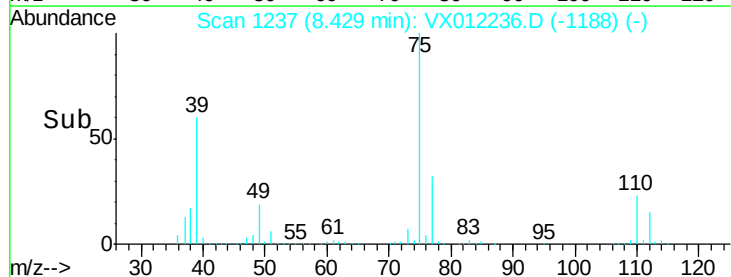
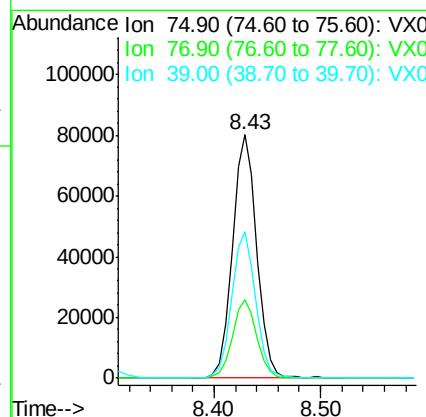
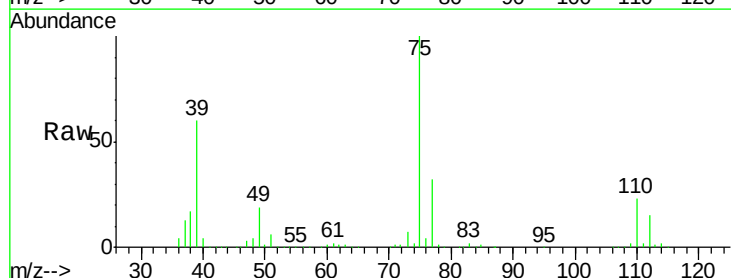
Manual Integrations
 APPROVED

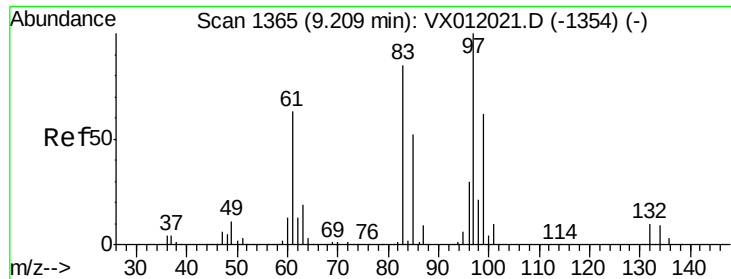
MMDadoda
 9/9/2019 8:42:57 AM



#54
 cis-1,3-Dichloropropene
 Concen: 58.303 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3
39	59.8	43.0	64.4





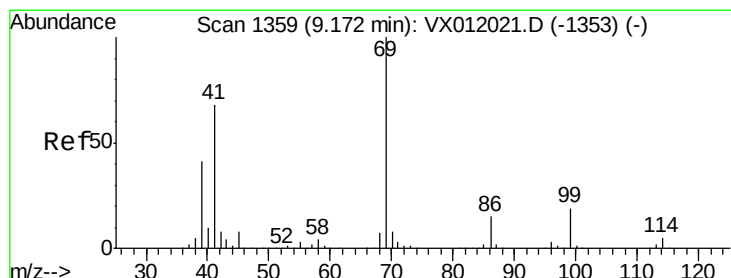
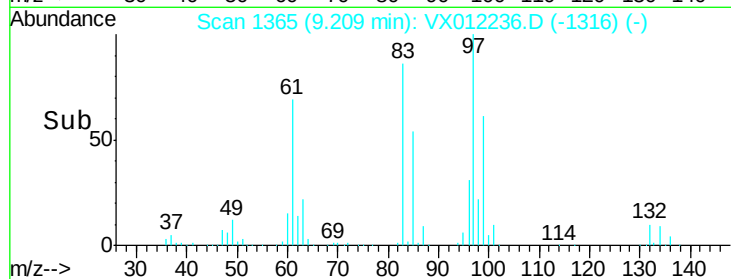
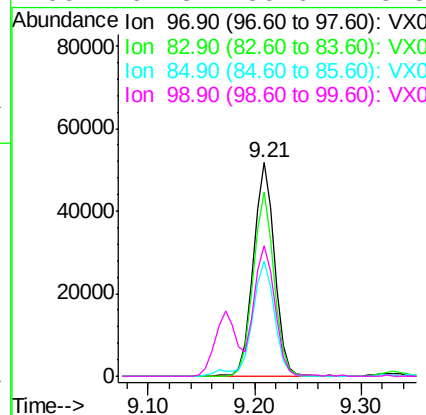
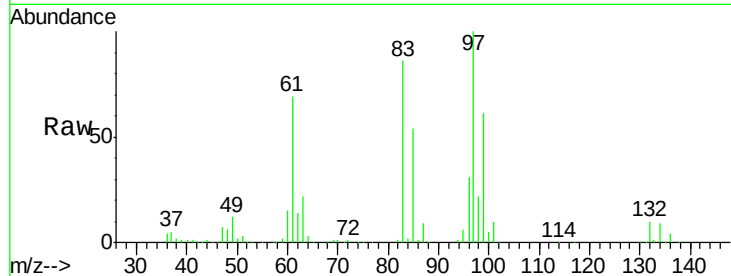
#55
 1,1,2-Trichloroethane
 Concen: 68.050 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	72744
Ion	Ratio	Lower	Upper
97	100		
83	86.2	66.0	99.0
85	53.9	41.0	61.6
99	61.3	50.6	75.8

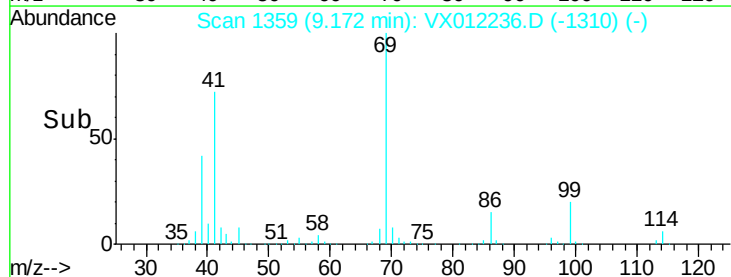
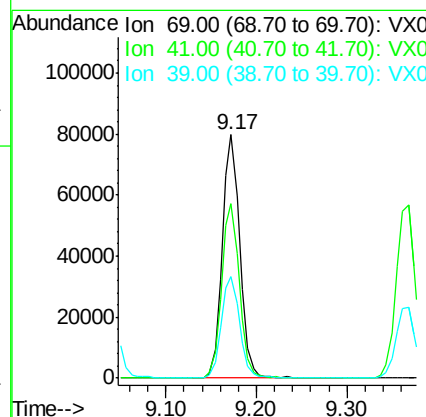
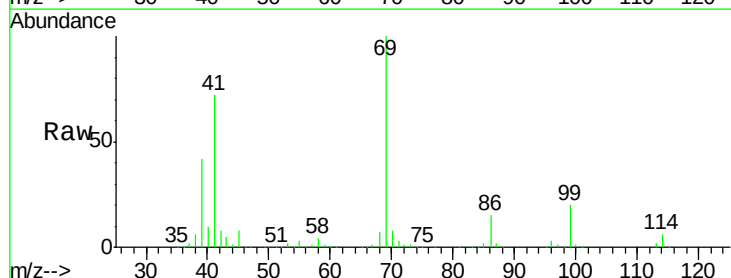
Manual Integrations
 APPROVED

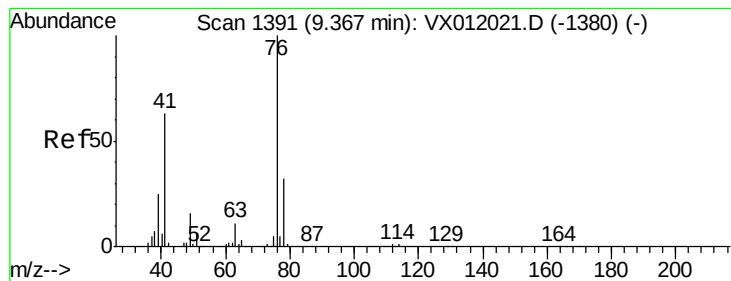
MMDadoda
 9/9/2019 8:42:57 AM



#56
 Ethyl methacrylate
 Concen: 70.858 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Tgt Ion:	69	Resp:	108496
Ion	Ratio	Lower	Upper
69	100		
41	71.9	53.9	80.9
39	43.1	31.1	46.7





#57

1,3-Dichloropropane

Concen: 67.128 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 123825

Ion Ratio Lower Upper

76 100

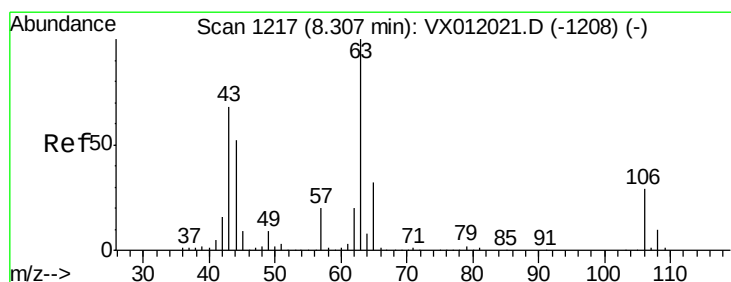
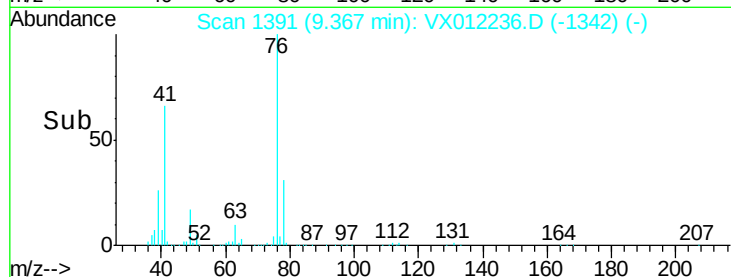
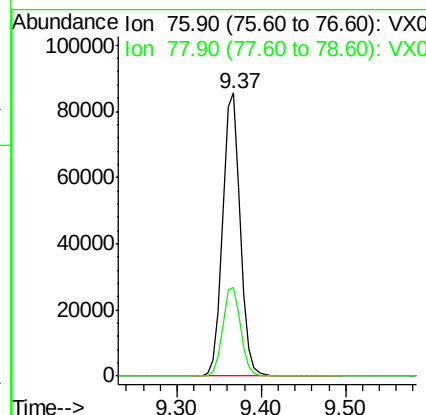
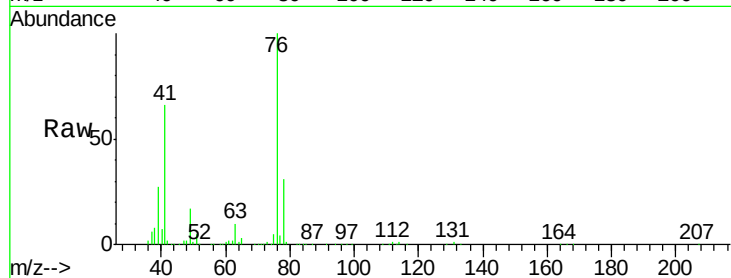
78 31.9 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/9/2019 8:42:57 AM



#58

2-Chloroethyl Vinyl ether

Concen: 265.518 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012236.D

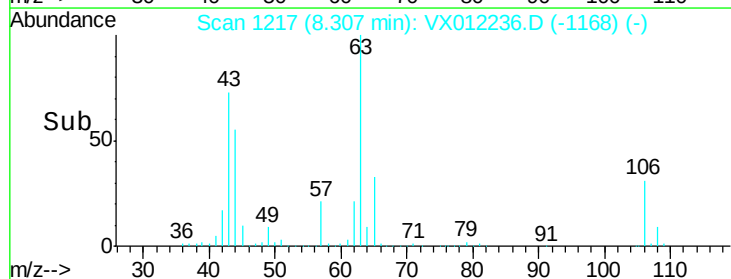
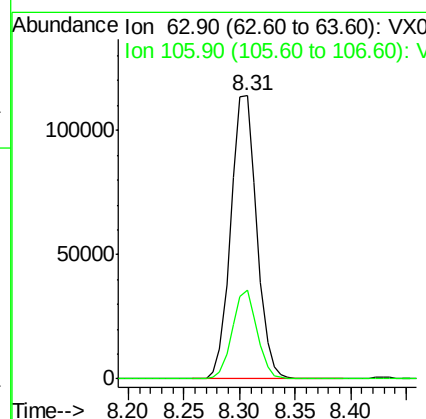
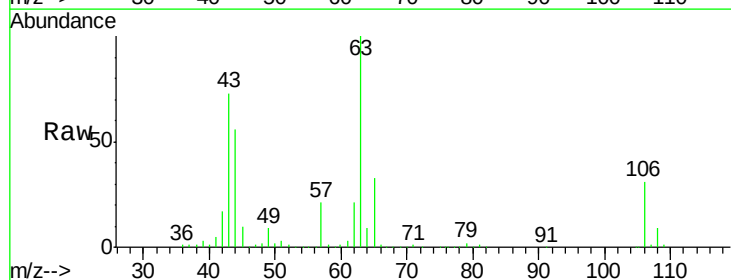
Acq: 08 Sep 2019 21:19

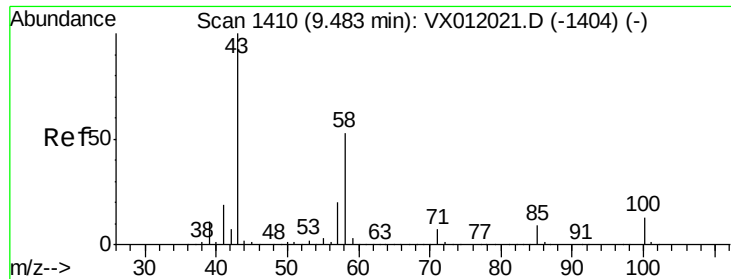
Tgt Ion: 63 Resp: 183290

Ion Ratio Lower Upper

63 100

106 30.0 26.5 39.7





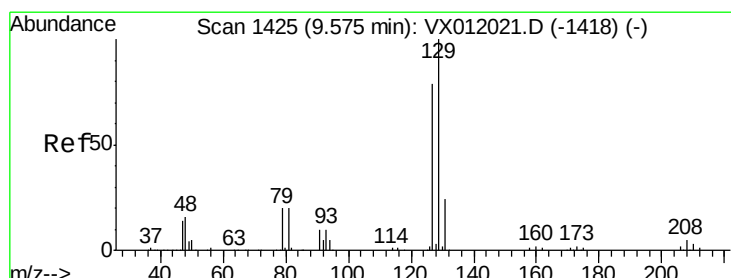
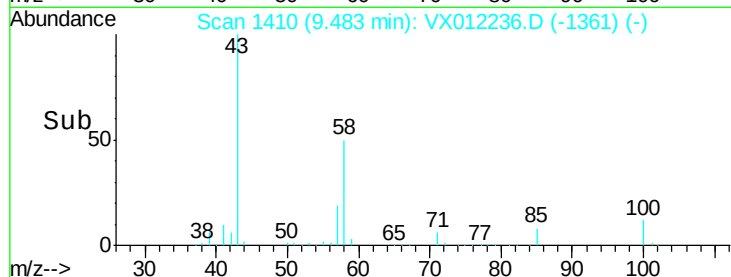
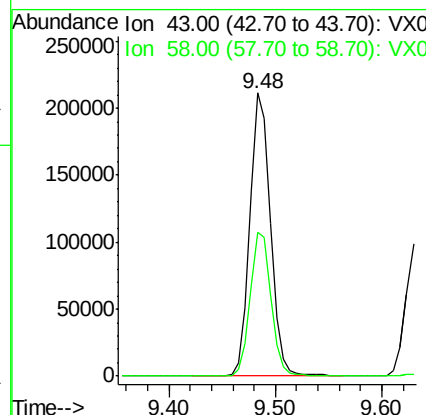
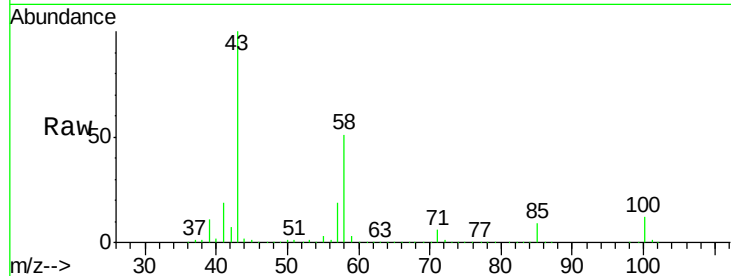
#59
2-Hexanone
Concen: 407.526 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 288799
Ion Ratio Lower Upper
43 100
58 51.8 27.2 81.6

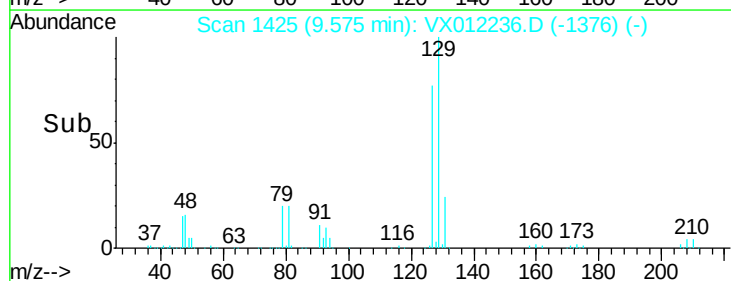
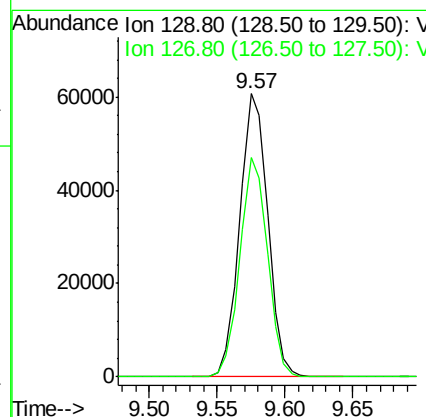
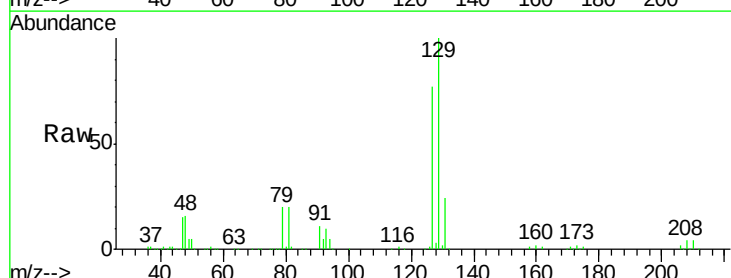
Manual Integrations
APPROVED

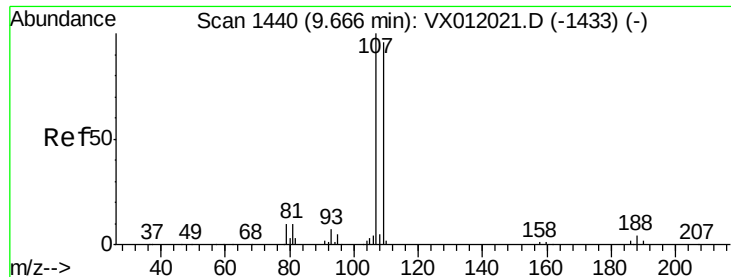
MMDadoda
9/9/2019 8:42:57 AM



#60
Dibromochloromethane
Concen: 68.622 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion: 129 Resp: 87425
Ion Ratio Lower Upper
129 100
127 76.1 38.1 114.5





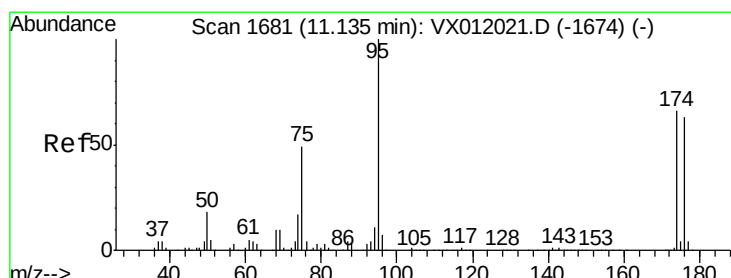
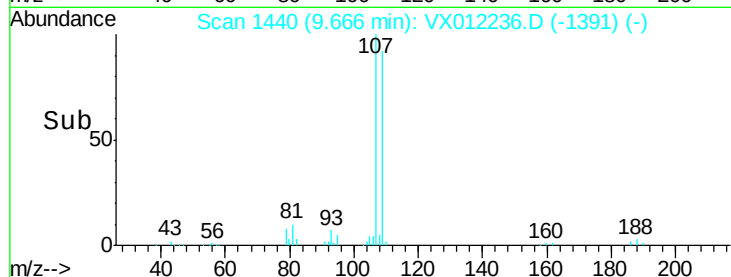
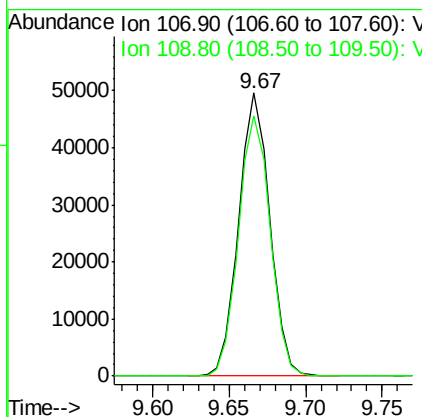
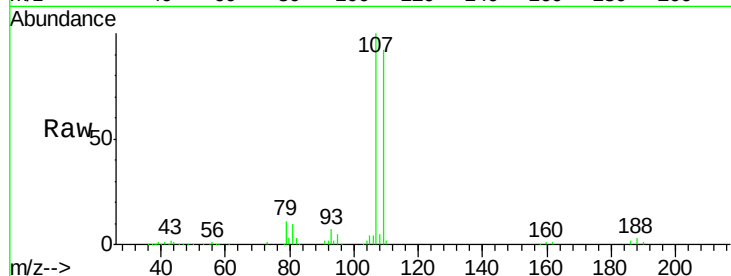
#61
 1,2-Dibromoethane
 Concen: 67.938 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.9	115.3

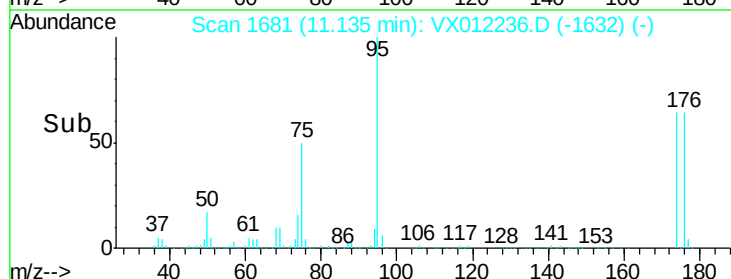
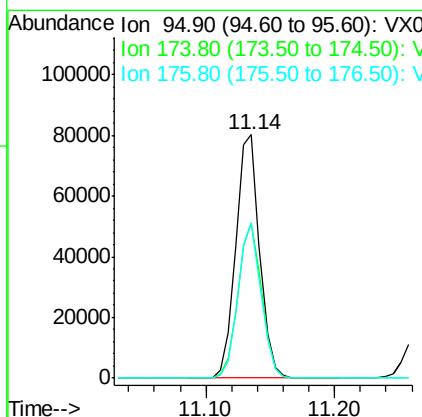
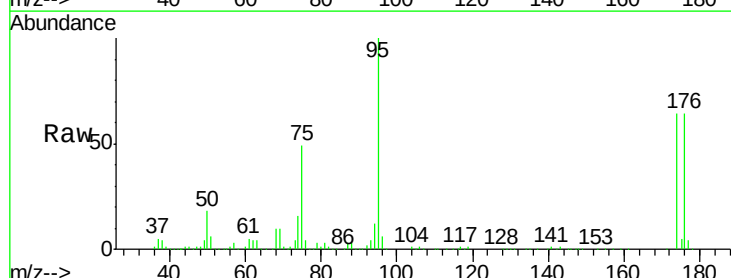
Manual Integrations
 APPROVED

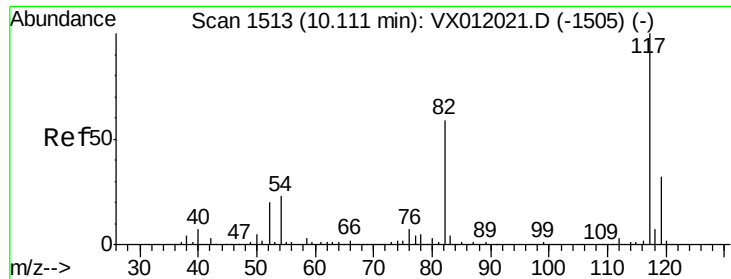
MMDadoda
 9/9/2019 8:42:57 AM



#62
 4-Bromofluorobenzene
 Concen: 50.144 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	62.9	0.0	205.4
176	61.4	0.0	201.8





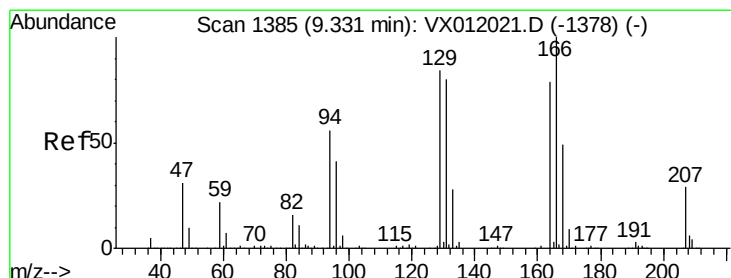
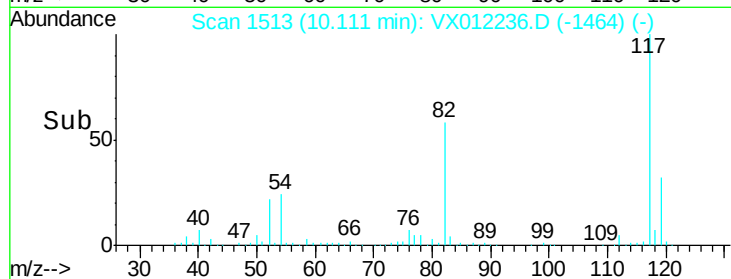
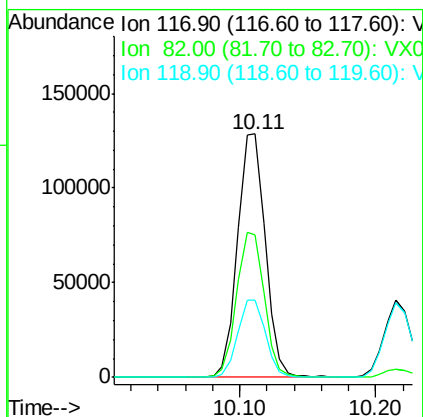
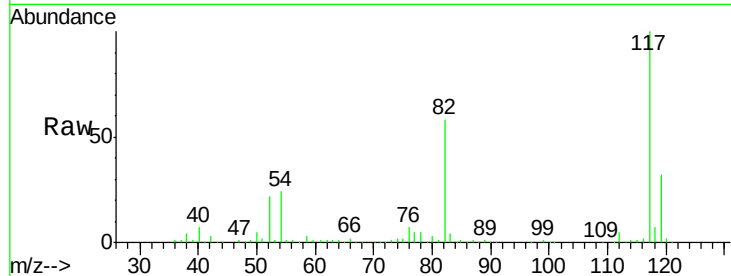
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	39.4	59.0
119	31.9	26.1	39.1

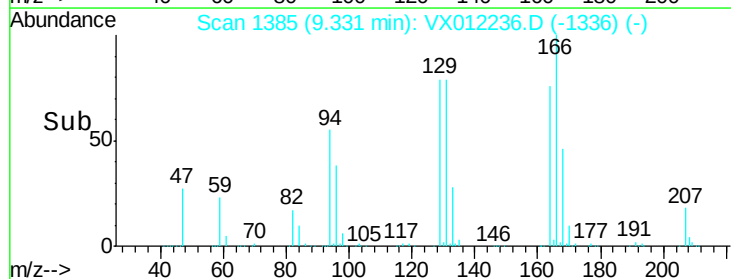
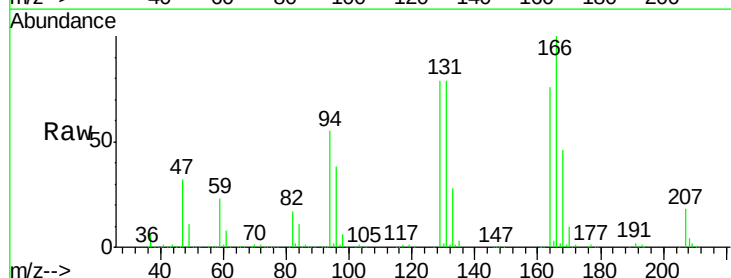
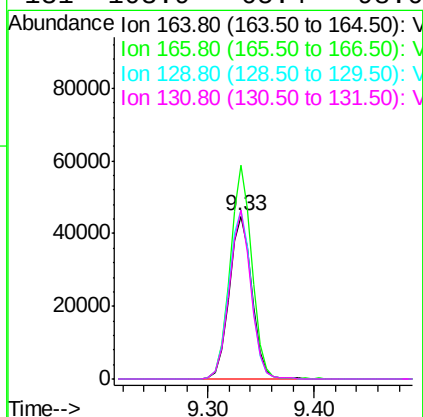
Manual Integrations
APPROVED

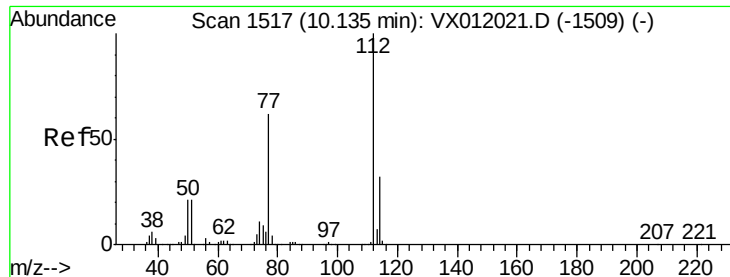
MMDadoda
9/9/2019 8:42:57 AM



#64
Tetrachloroethene
Concen: 58.148 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.3	156.5
129	103.5	68.3	102.5#
131	103.9	65.4	98.0#





#65

Chlorobenzene

Concen: 57.933 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 209867

Ion Ratio Lower Upper

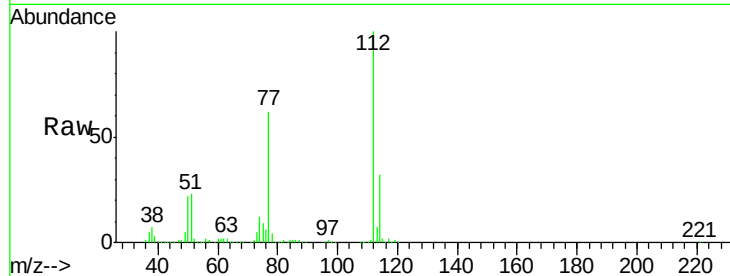
112 100

114 31.8 26.2 39.2

Manual Integrations
APPROVED

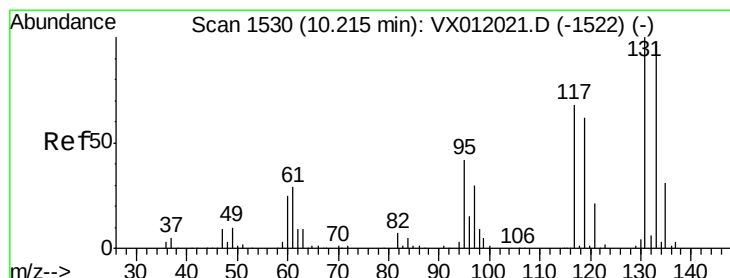
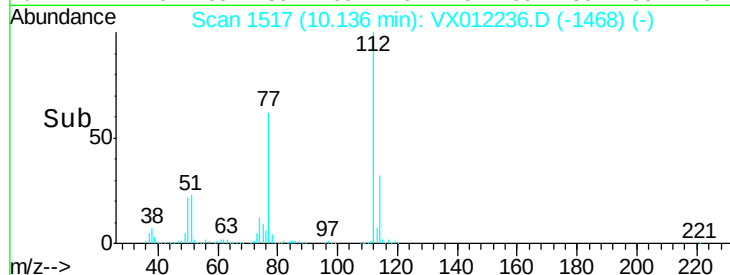
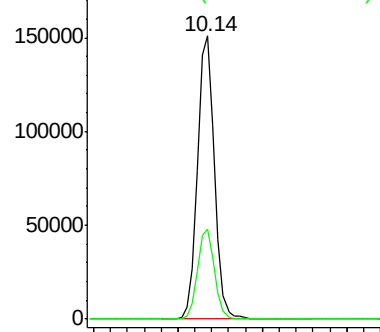
MMDadoda

9/9/2019 8:42:57 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 63.949 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

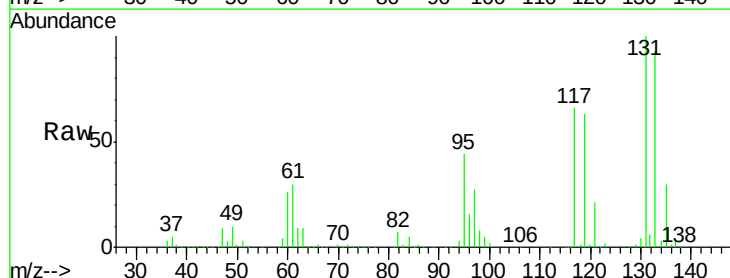
Tgt Ion:131 Resp: 84706

Ion Ratio Lower Upper

131 100

133 94.1 48.4 145.0

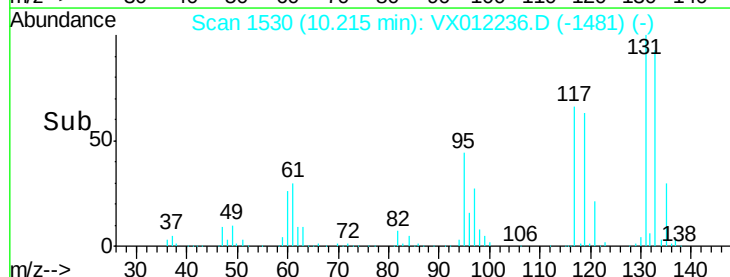
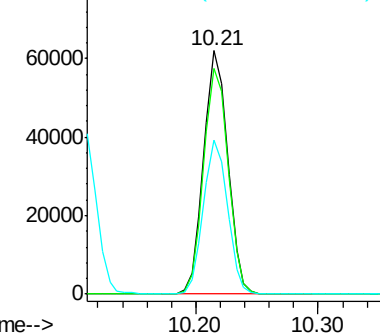
119 63.2 30.5 91.5

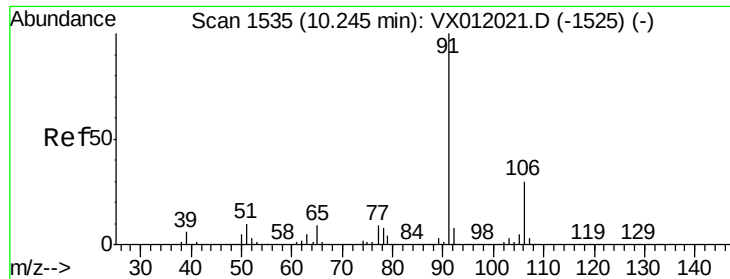


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





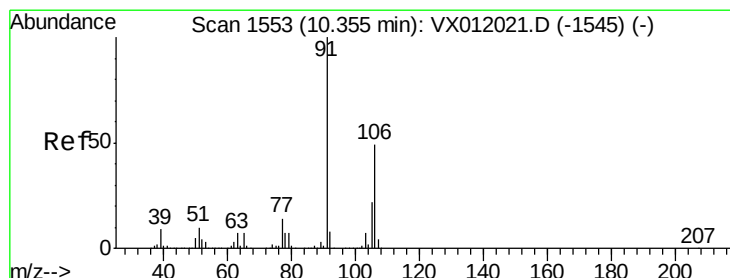
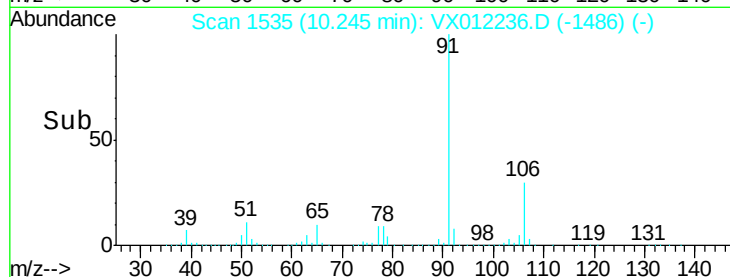
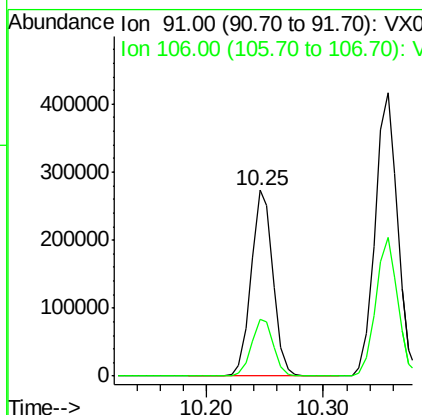
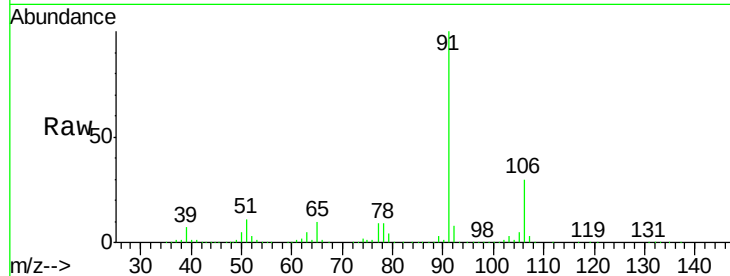
#67
Ethyl Benzene
Concen: 54.135 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 357465
Ion Ratio Lower Upper
91 100
106 30.3 25.8 38.8

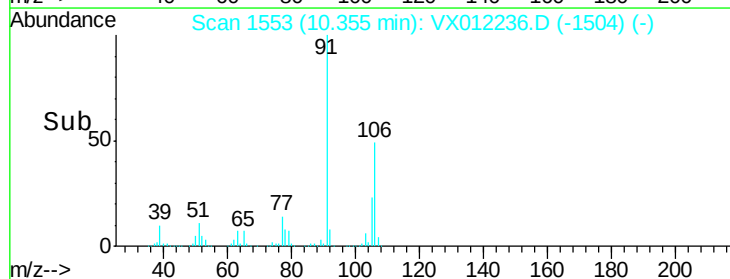
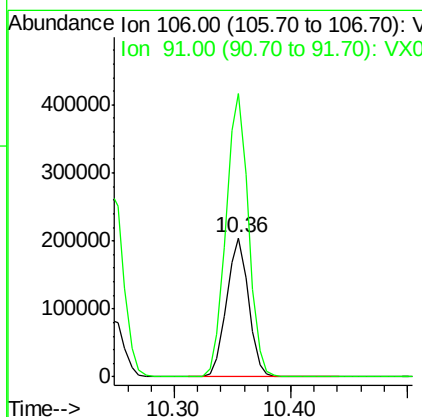
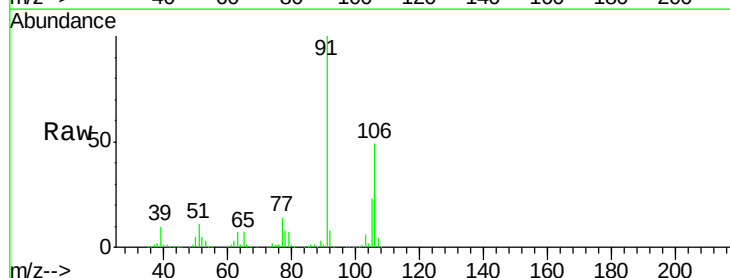
Manual Integrations
APPROVED

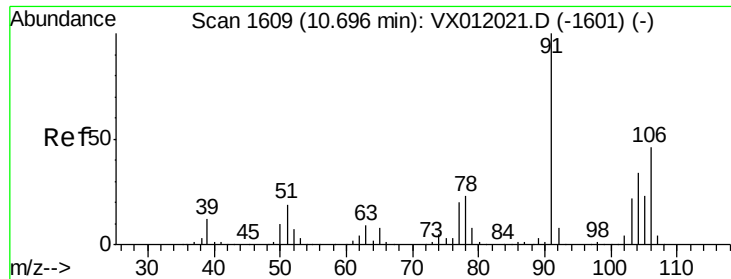
MMDadoda
9/9/2019 8:42:57 AM



#68
m/p-Xylenes
Concen: 110.065 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion: 106 Resp: 267777
Ion Ratio Lower Upper
106 100
91 208.2 157.5 236.3





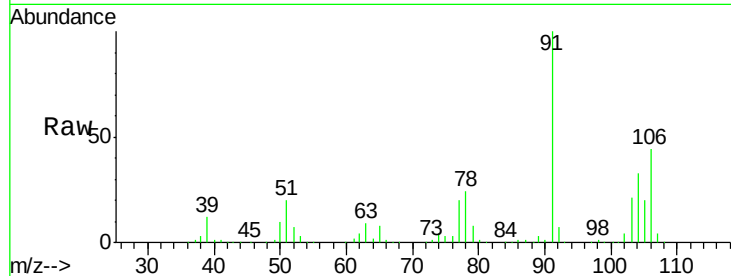
#69
o-Xylene
Concen: 57.286 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

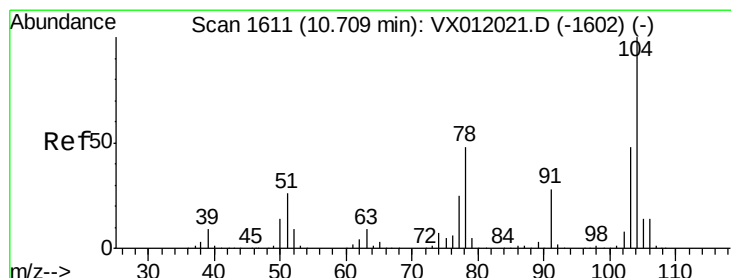
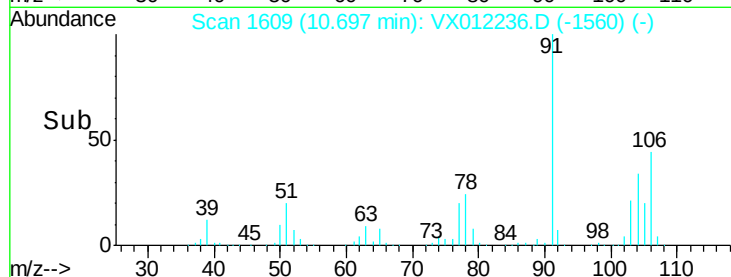
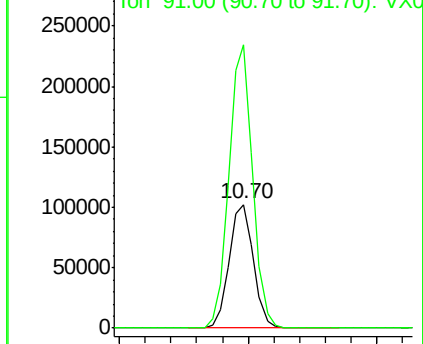
Tot Ion:106 Resp: 135147
Ion Ratio Lower Upper
106 100
91 223.4 103.5 310.3

Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:42:57 AM

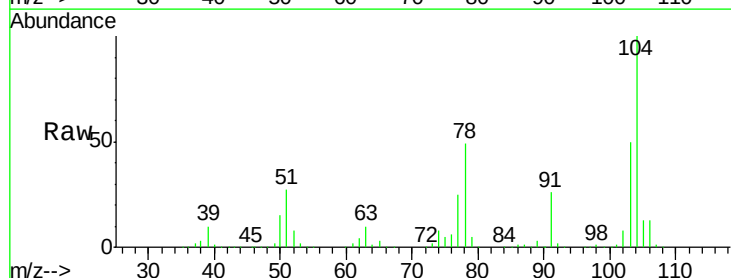


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

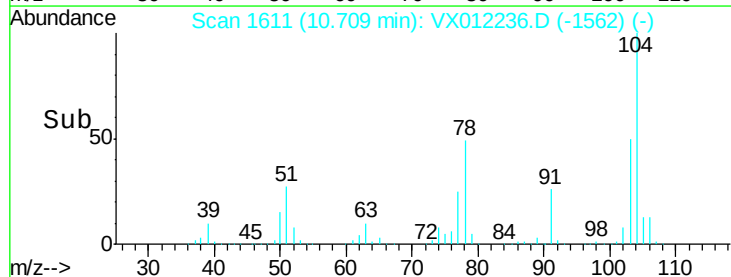
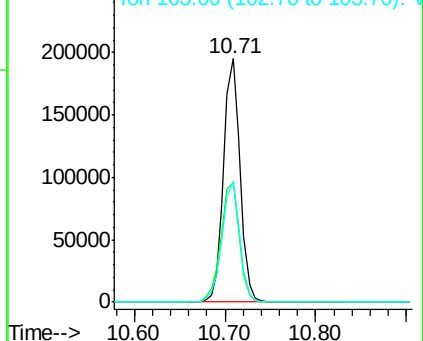


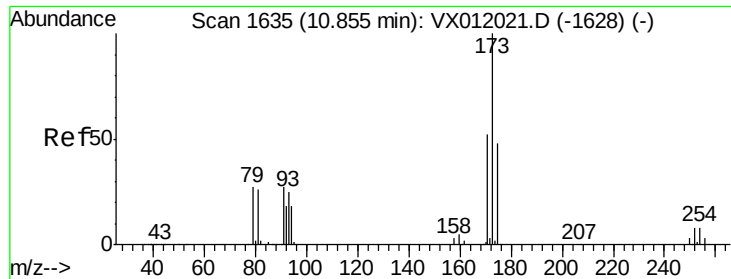
#70
Styrene
Concen: 60.565 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion:104 Resp: 248177
Ion Ratio Lower Upper
104 100
78 55.1 39.1 58.7
103 53.5 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 70.007 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

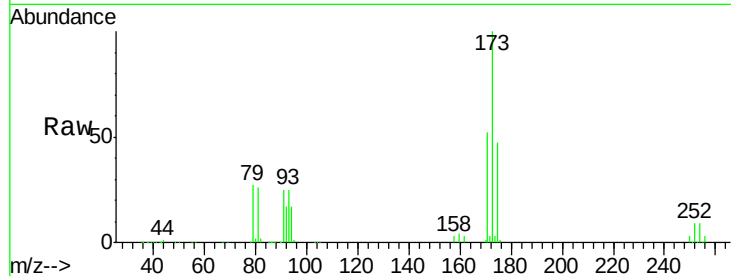
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.7
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:42:57 AM

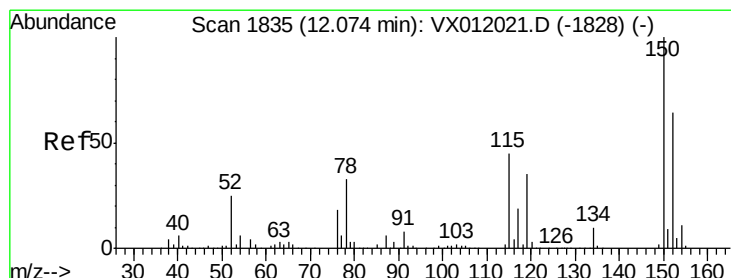
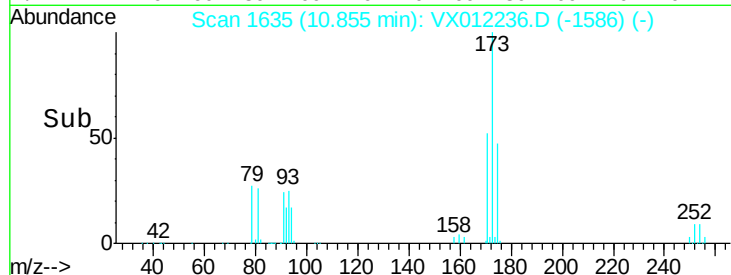
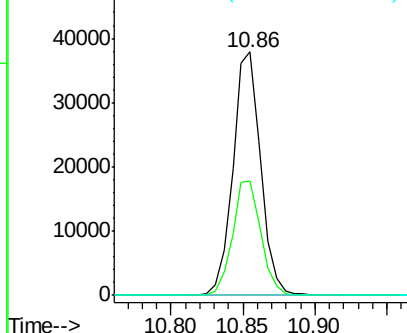


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

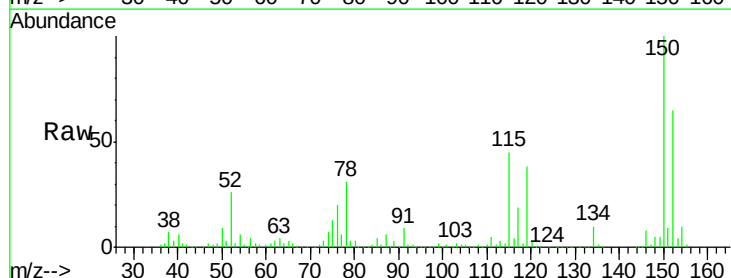
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	92.8	36.4	109.3
150	174.9	0.0	341.2

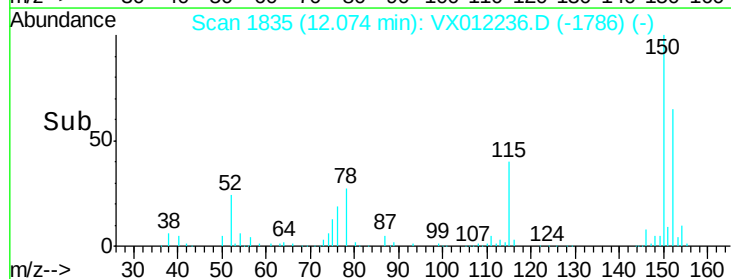
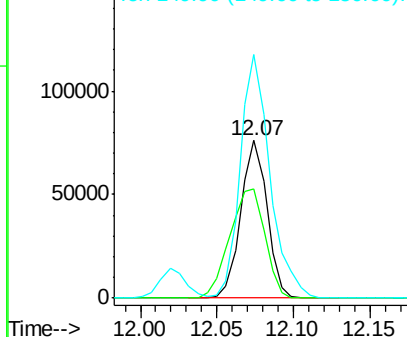


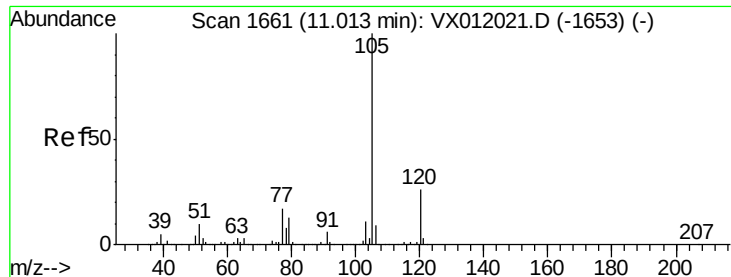
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





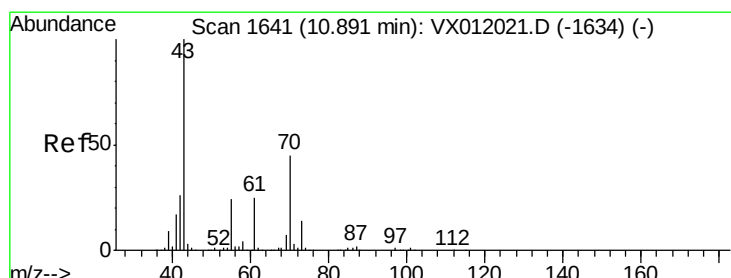
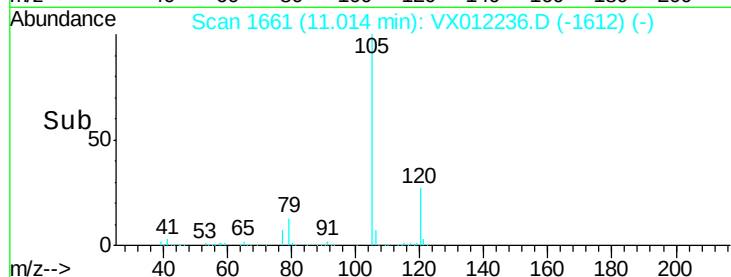
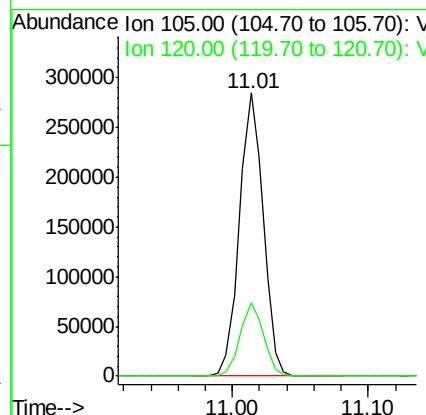
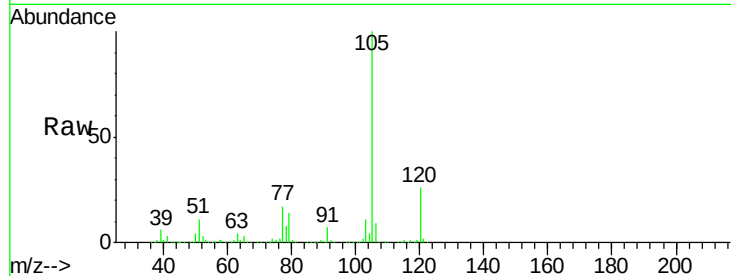
#73
Isopropylbenzene
Concen: 52.060 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.9	41.6

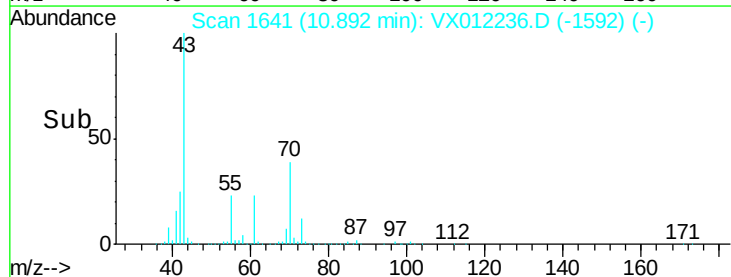
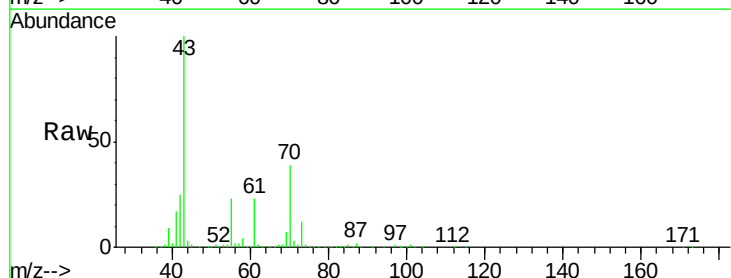
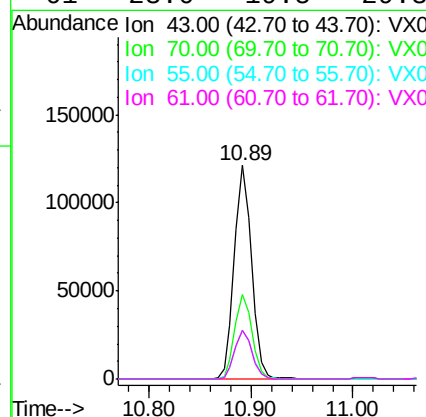
Manual Integrations
APPROVED

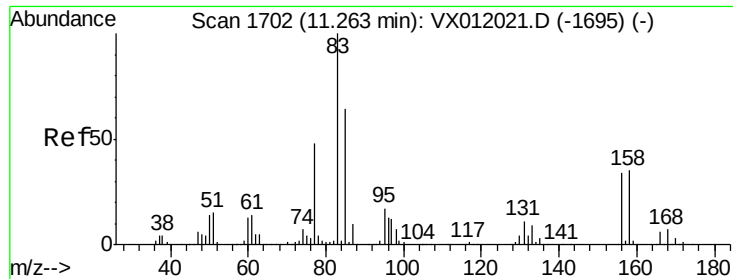
MMDadoda
9/9/2019 8:42:57 AM



#74
N-ethyl acetate
Concen: 71.758 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.0	34.4	51.6
55	23.5	18.5	27.7
61	23.0	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 69.665 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

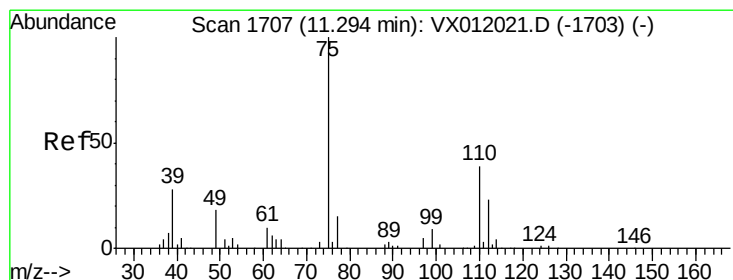
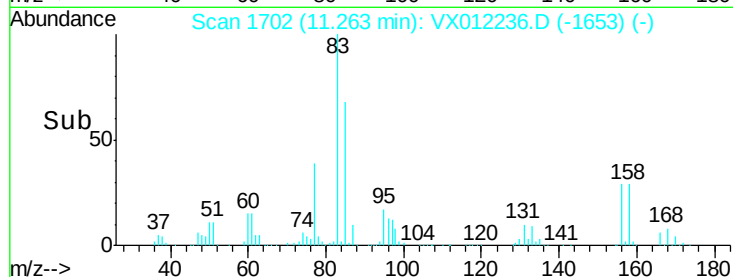
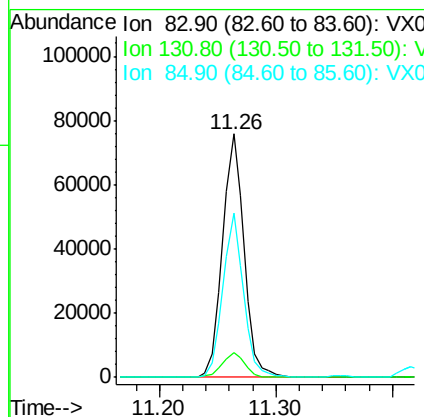
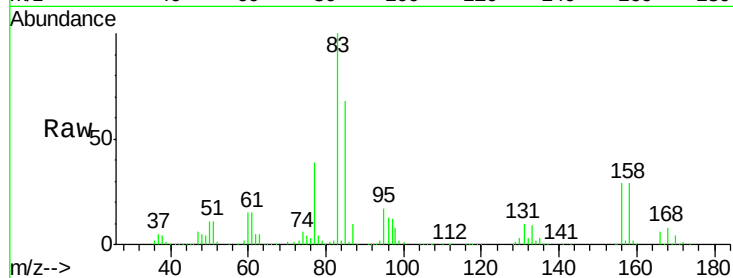
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	96620
Ion	Ratio	Lower	Upper
83	100		
131	10.6	6.3	19.1
85	64.8	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:42:57 AM



#76

1,2,3-Trichloropropane

Concen: 68.947 ug/l m

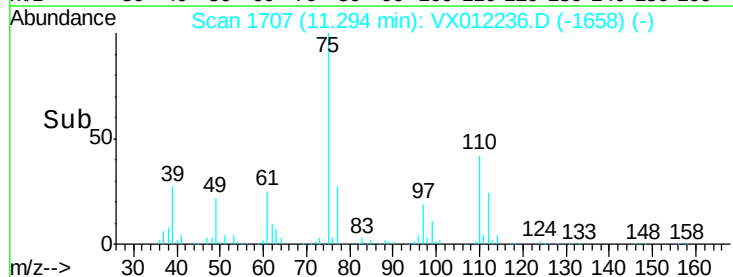
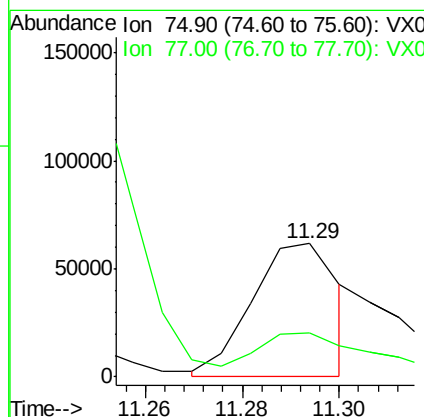
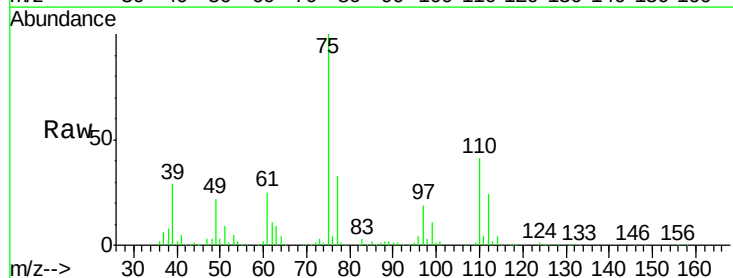
RT: 11.29 min Scan# 1707

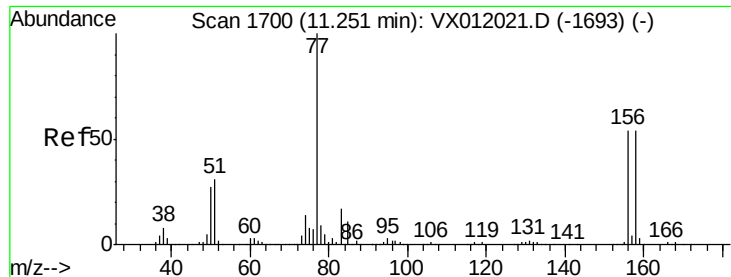
Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Tgt Ion:	75	Resp:	76385
Ion	Ratio	Lower	Upper
75	100		
77	44.2	23.5	70.5





#77

Bromobenzene

Concen: 60.528 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 90059

Ion Ratio Lower Upper

156 100

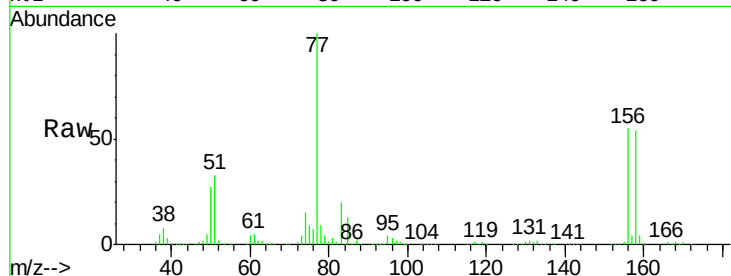
77 185.7 63.4 190.2

158 97.9 48.9 146.6

Manual Integrations
APPROVED

MMDadoda

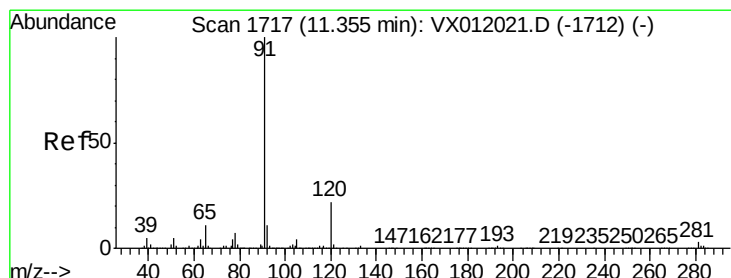
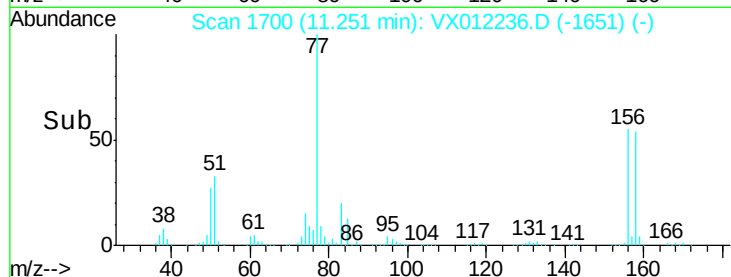
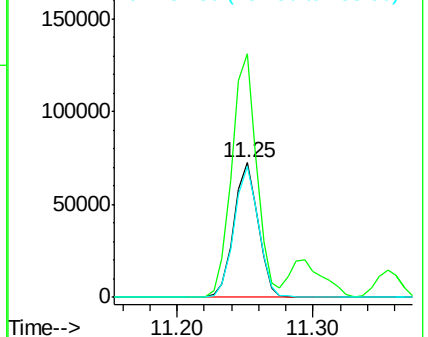
9/9/2019 8:42:57 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.332 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012236.D

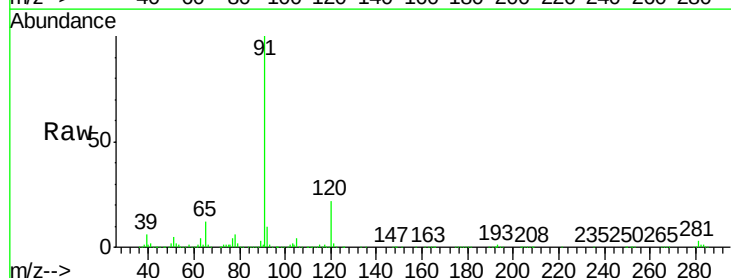
Acq: 08 Sep 2019 21:19

Tgt Ion: 91 Resp: 412571

Ion Ratio Lower Upper

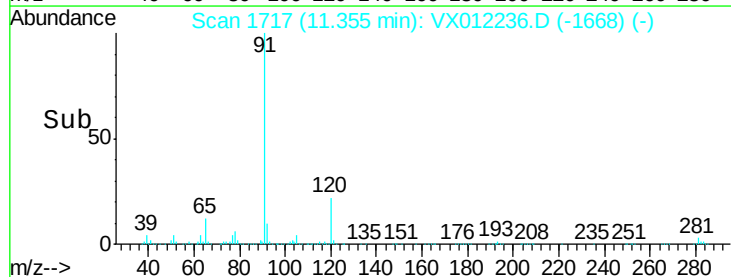
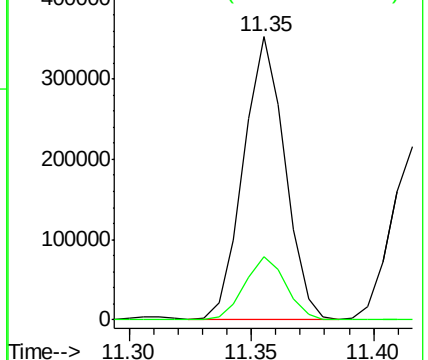
91 100

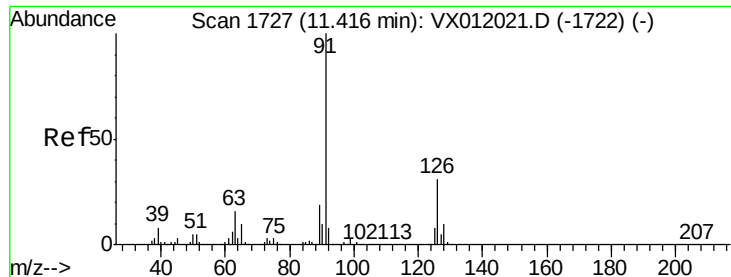
120 22.5 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.443 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 269962

Ion Ratio Lower Upper

91 100

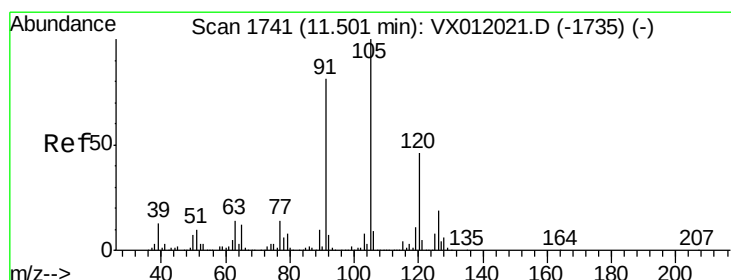
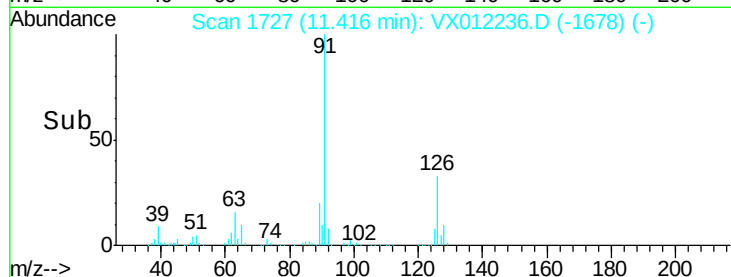
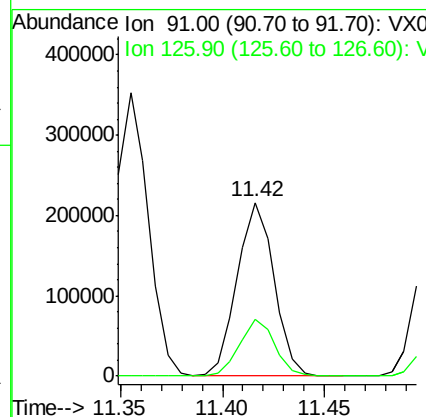
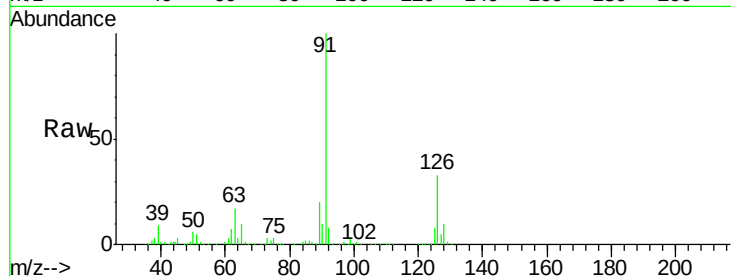
126 31.7 18.6 55.8

Manual Integrations

APPROVED

MMDadoda

9/9/2019 8:42:57 AM



#80

1,3,5-Trimethylbenzene

Concen: 53.321 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012236.D

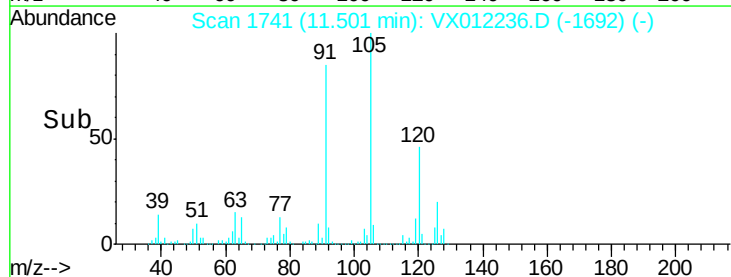
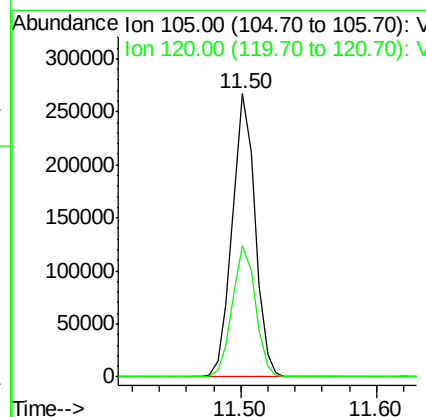
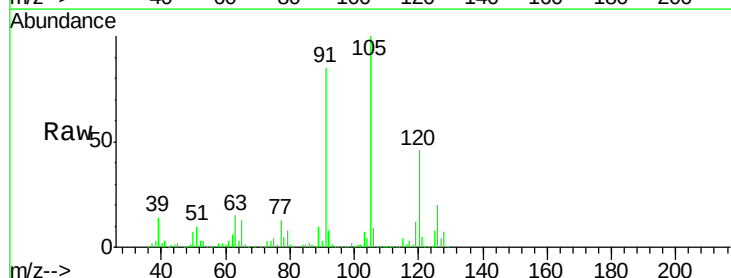
Acq: 08 Sep 2019 21:19

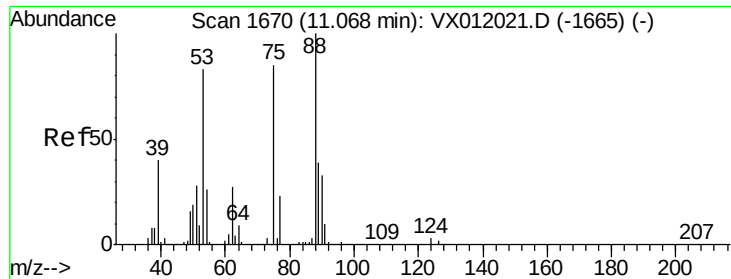
Tgt Ion: 105 Resp: 310866

Ion Ratio Lower Upper

105 100

120 47.2 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 60.732 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 28460

Ion Ratio Lower Upper

75 100

53 108.8 78.6 117.8

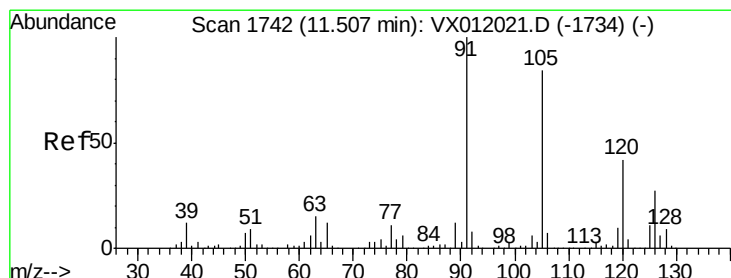
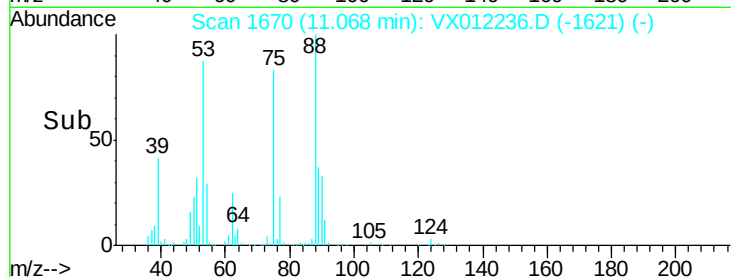
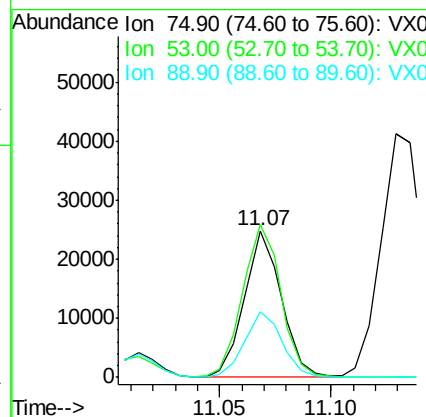
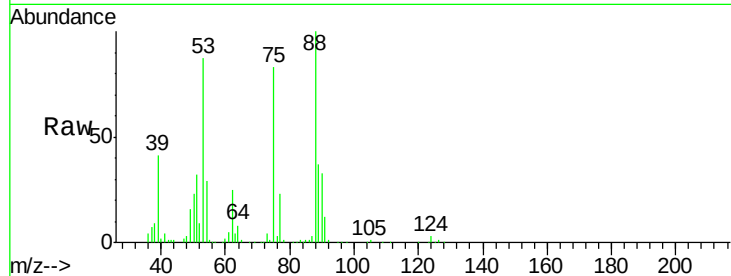
89 46.2 38.8 58.2

Manual Integrations

APPROVED

MMDadoda

9/9/2019 8:42:57 AM



#82

4-Chlorotoluene

Concen: 56.694 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012236.D

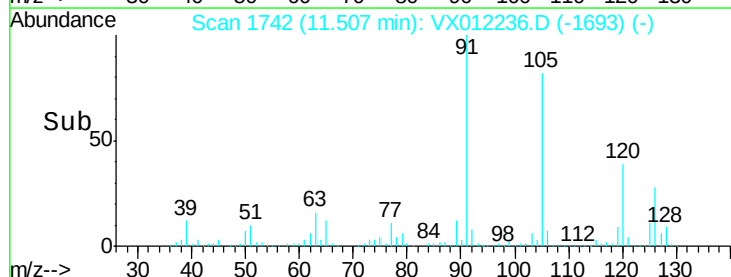
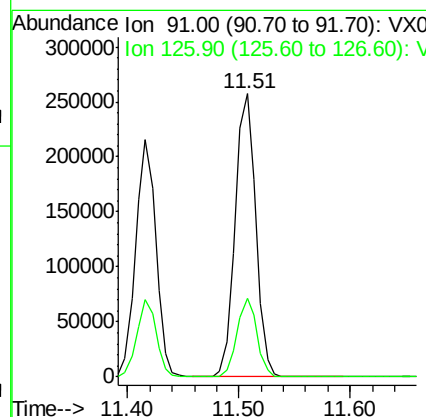
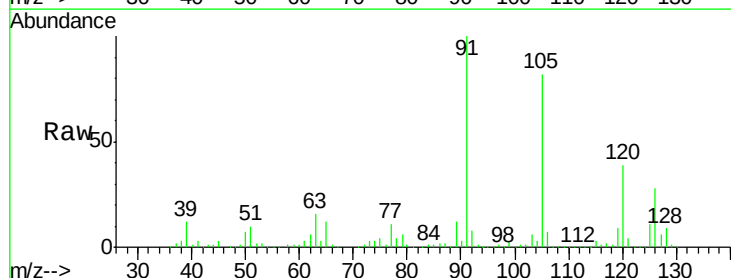
Acq: 08 Sep 2019 21:19

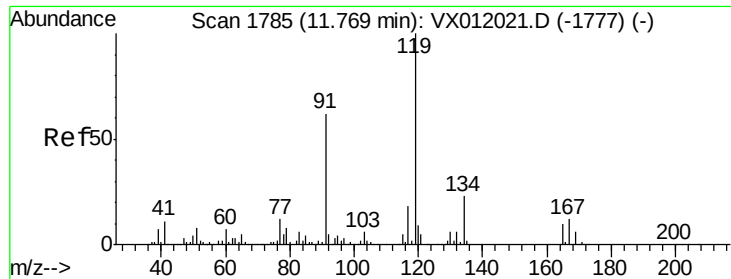
Tgt Ion: 91 Resp: 329032

Ion Ratio Lower Upper

91 100

126 27.1 16.2 48.6





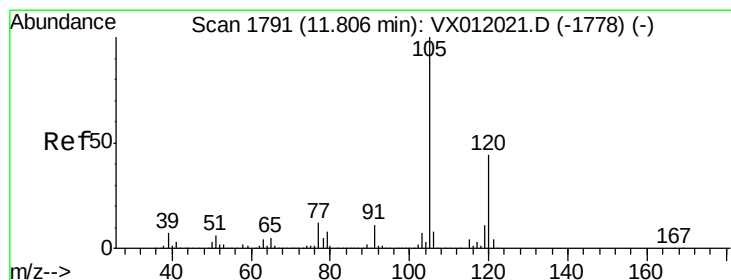
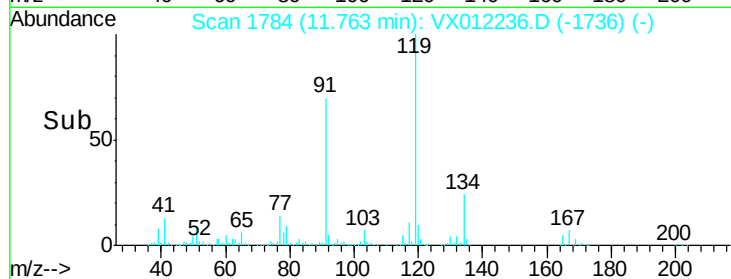
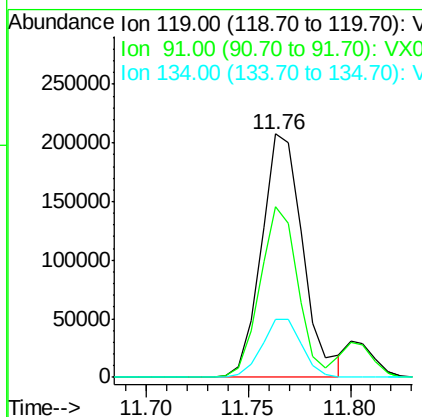
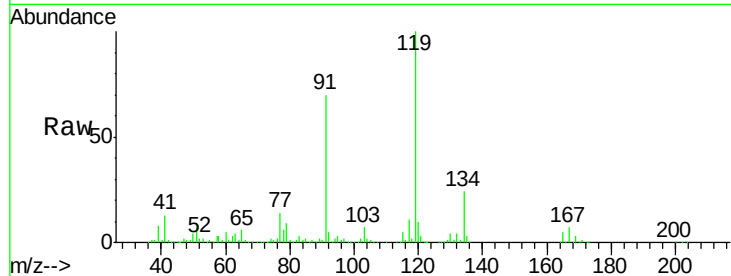
#83
 tert-Butylbenzene
 Concen: 52.719 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	292946		
91	64.1	27.1	81.2	
134	22.9	12.1	36.3	

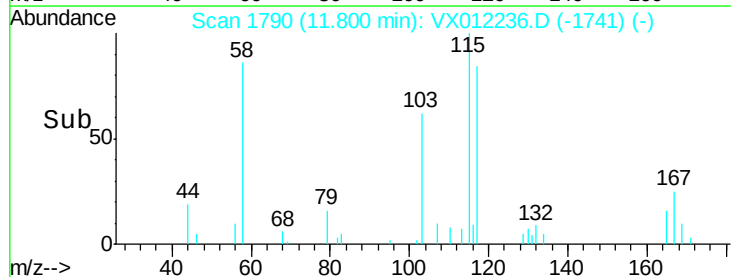
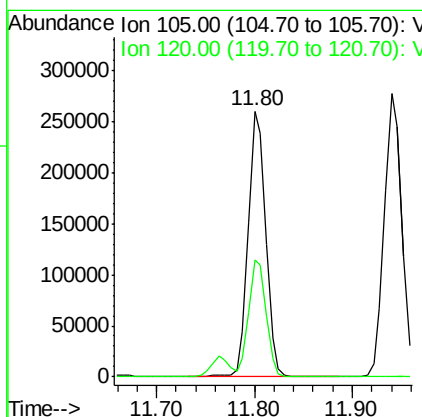
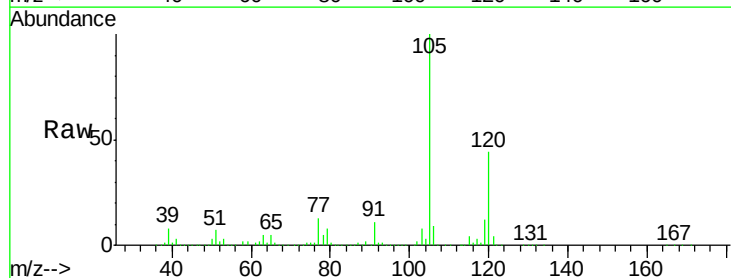
Manual Integrations
 APPROVED

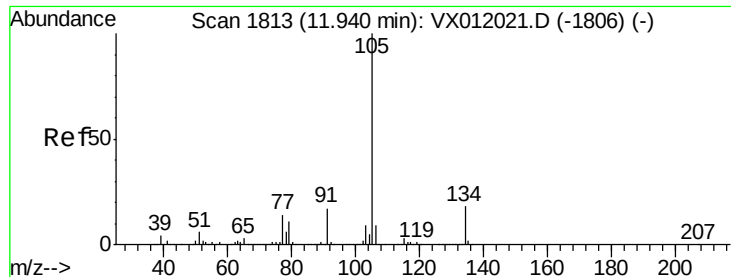
MMDadoda
 9/9/2019 8:42:57 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.102 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	324179		
120	43.6	23.6	70.8	





#85

sec-Butylbenzene

Concen: 49.803 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 343740

Ion Ratio Lower Upper

105 100

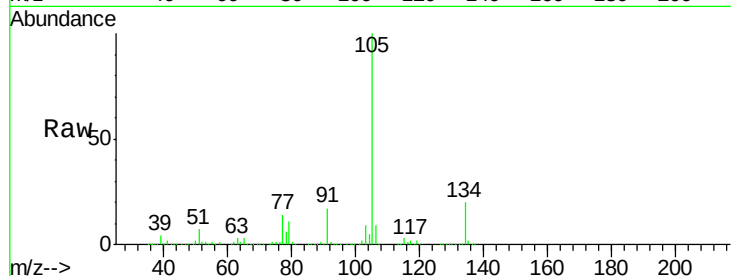
134 19.6 11.2 33.6

Manual Integrations

APPROVED

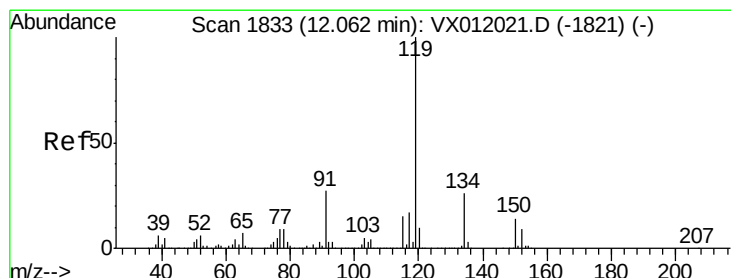
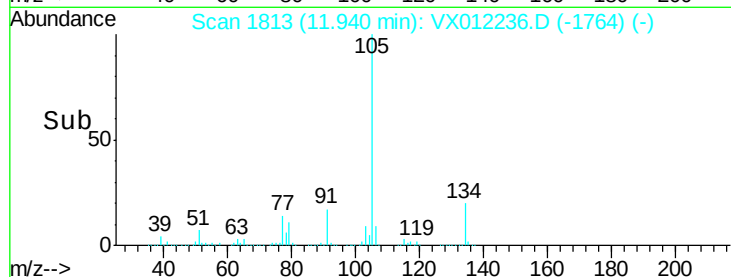
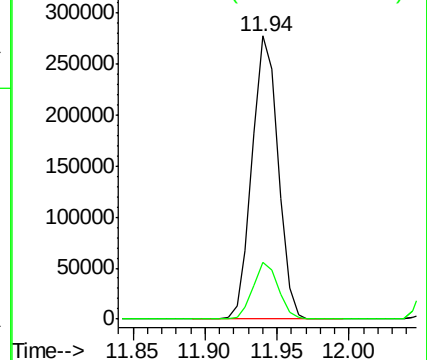
MMDadoda

9/9/2019 8:42:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.581 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

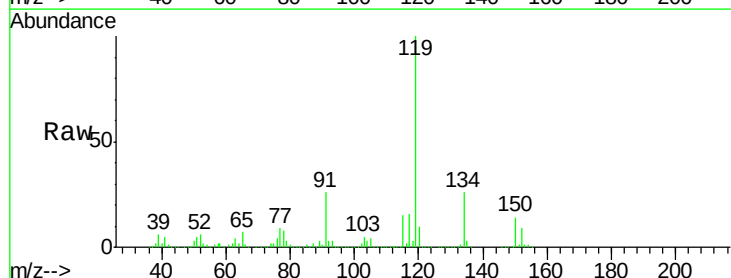
Tgt Ion:119 Resp: 317487

Ion Ratio Lower Upper

119 100

134 25.5 13.7 41.1

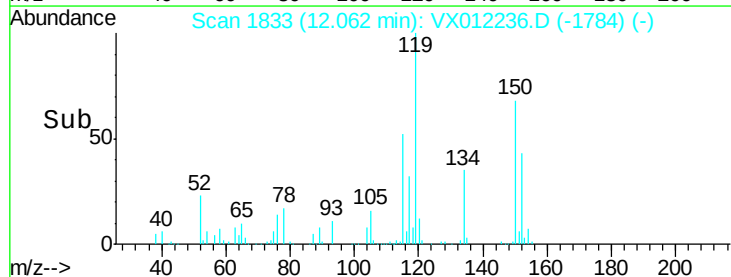
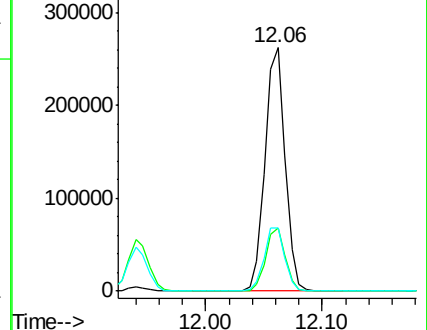
91 26.7 11.4 34.1

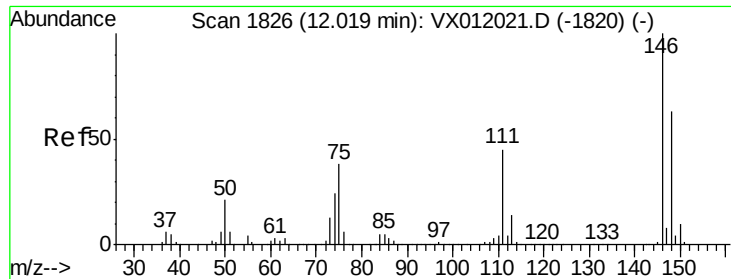


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





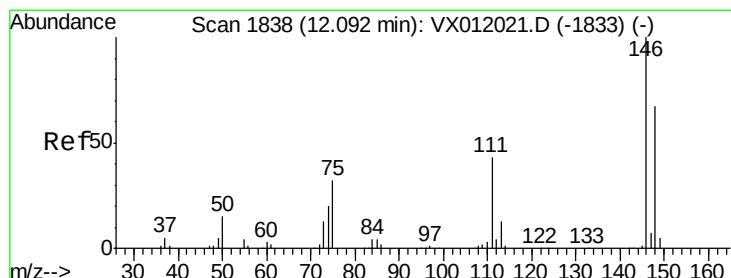
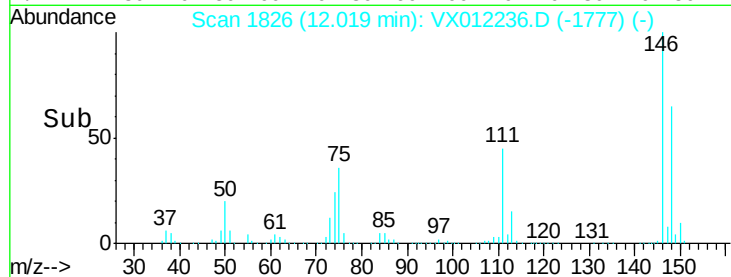
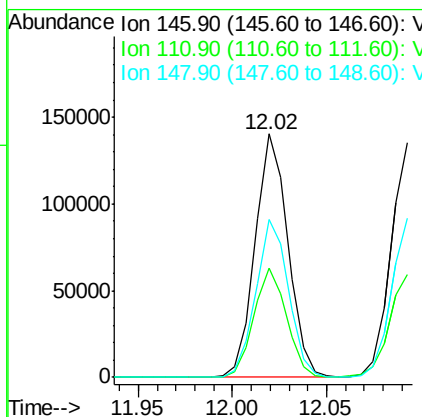
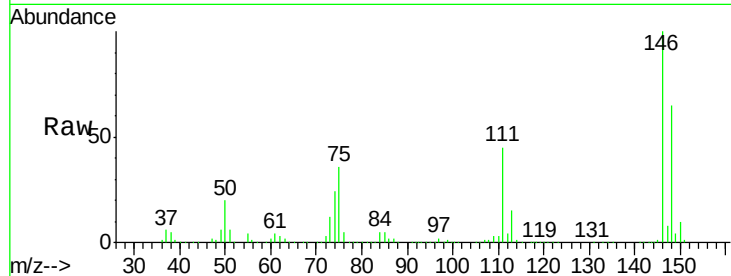
#87
 1,3-Dichlorobenzene
 Concen: 56.814 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	18.1	54.1
148	64.4	32.6	97.8

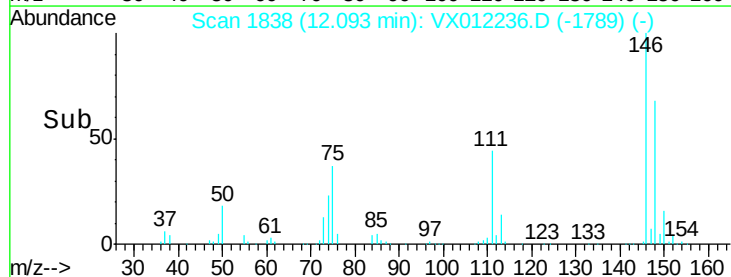
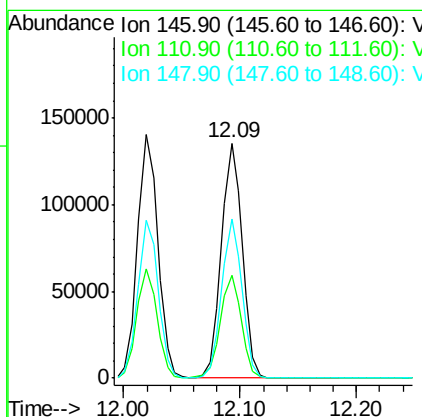
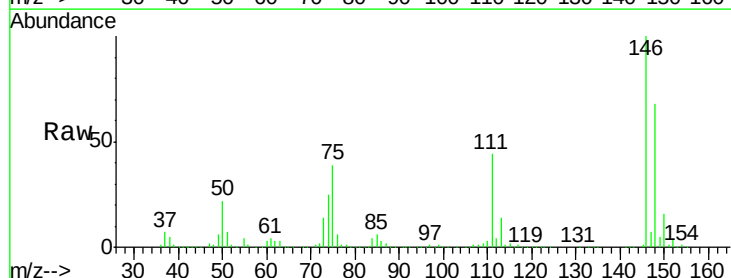
Manual Integrations
 APPROVED

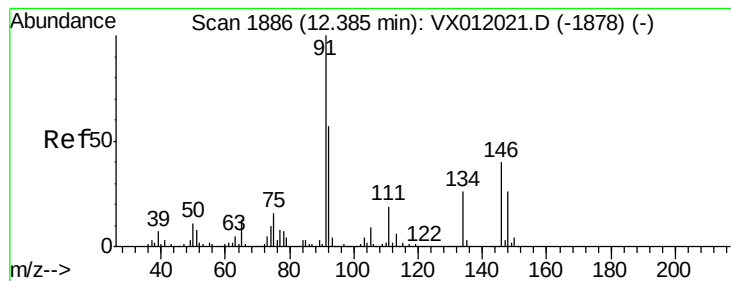
MMDadoda
 9/9/2019 8:42:57 AM



#88
 1,4-Dichlorobenzene
 Concen: 56.182 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	17.7	53.1
148	65.7	32.4	97.0





#89

n-Butylbenzene

Concen: 48.663 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Instrument :

MSVOA_X

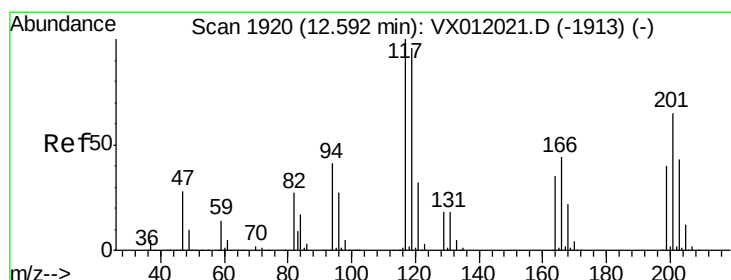
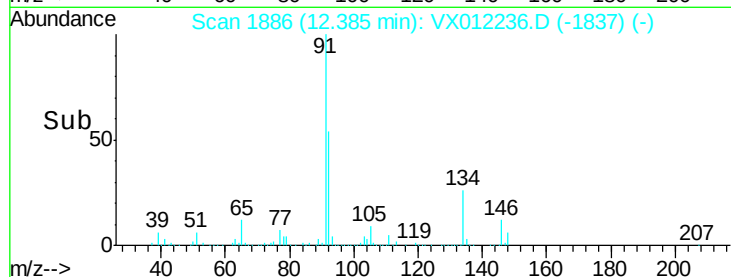
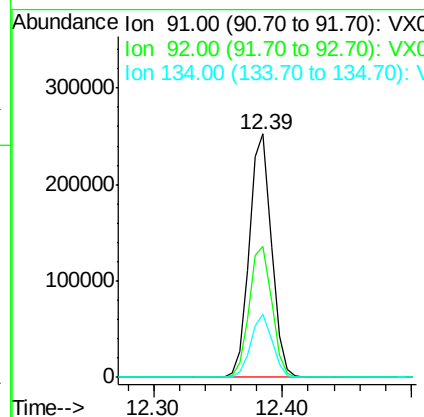
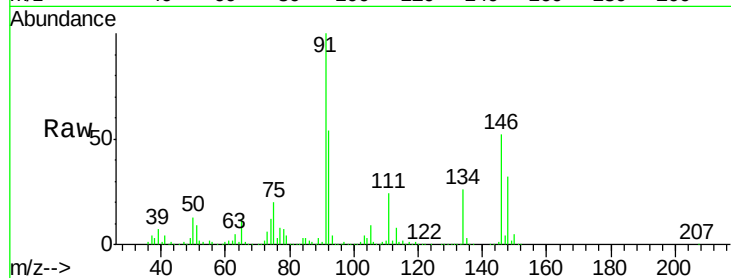
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	296721
Ion Ratio	Lower	Upper	
91	100		
92	55.2	27.6	82.8
134	25.2	15.4	46.1

Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:42:57 AM



#90

Hexachloroethane

Concen: 49.270 ug/l

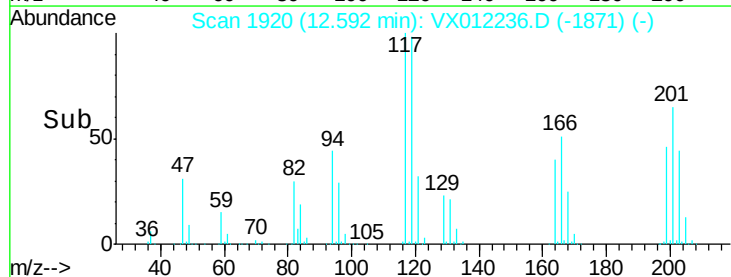
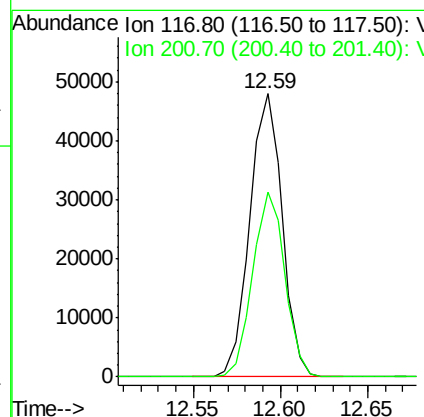
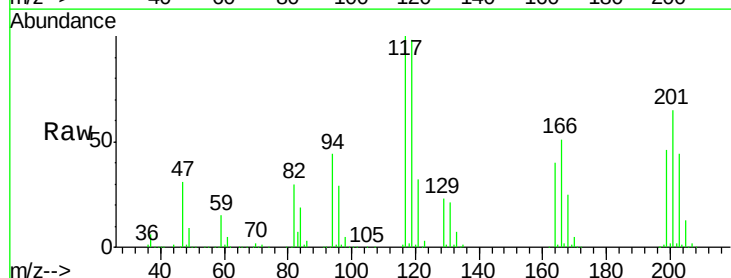
RT: 12.59 min Scan# 1920

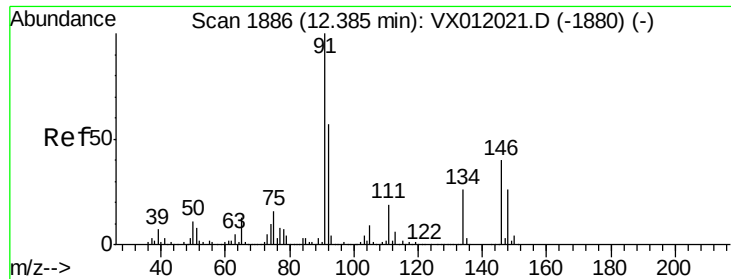
Delta R.T. -0.00 min

Lab File: VX012236.D

Acq: 08 Sep 2019 21:19

Tgt Ion:	117	Resp:	61750
Ion Ratio	Lower	Upper	
117	100		
201	64.9	55.0	165.2





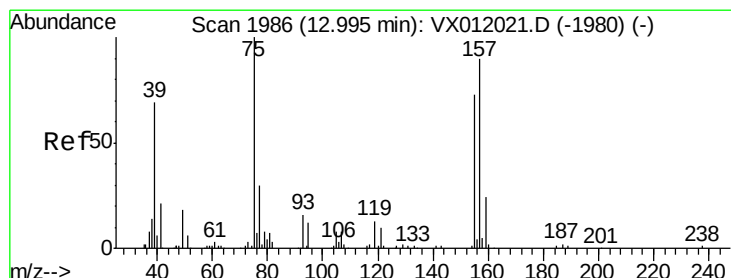
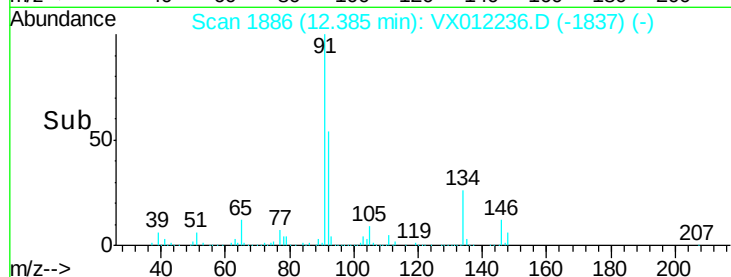
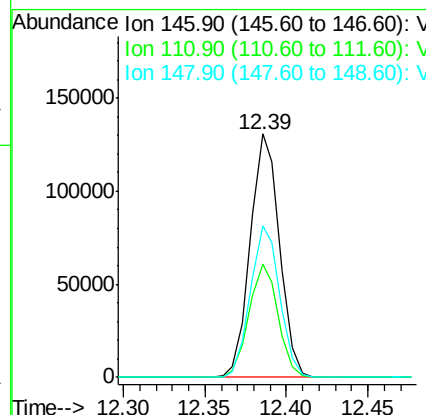
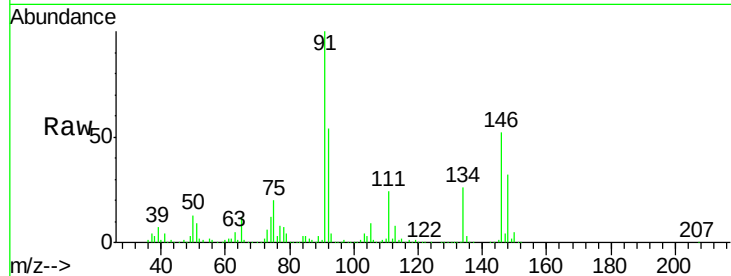
#91
 1,2-Dichlorobenzene
 Concen: 61.051 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	18.6	56.0
148	62.5	32.4	97.2

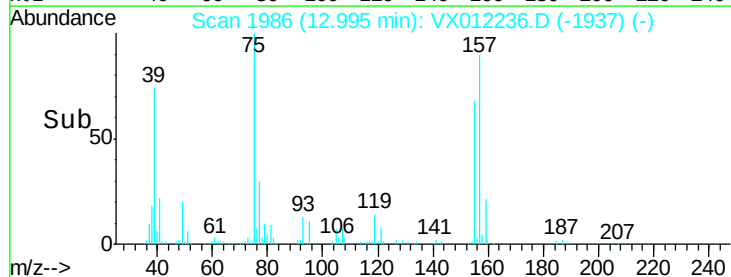
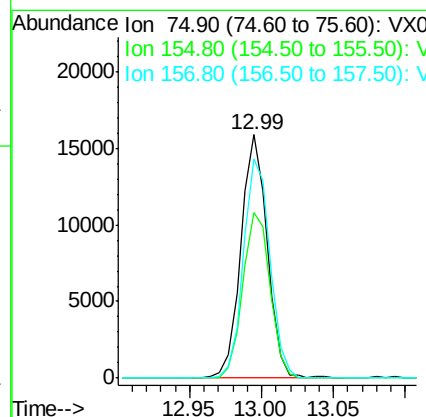
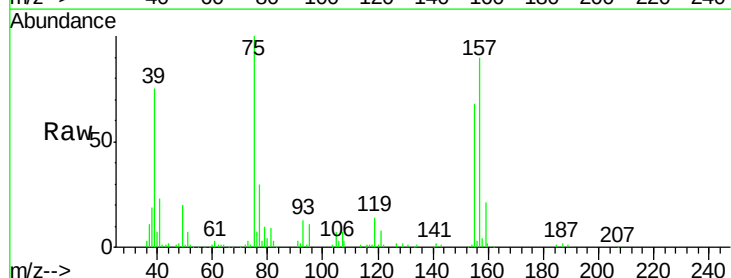
Manual Integrations
 APPROVED

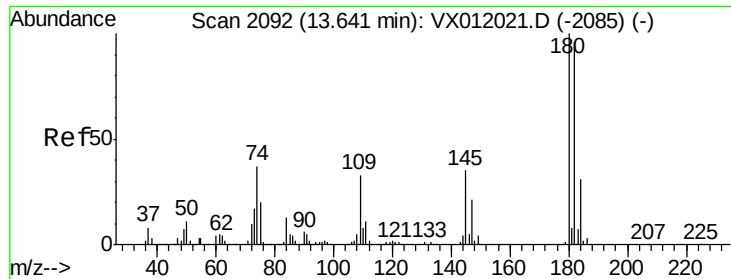
MMDadoda
 9/9/2019 8:42:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 69.573 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.9	51.7	155.2
157	90.2	66.9	200.7





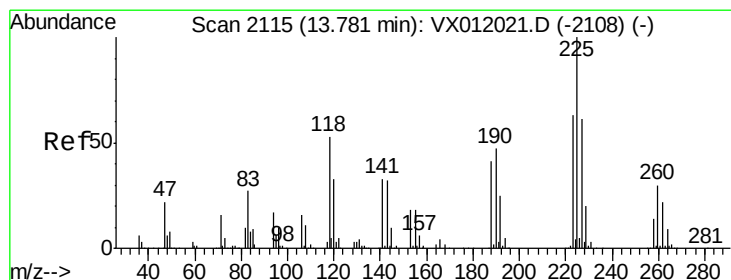
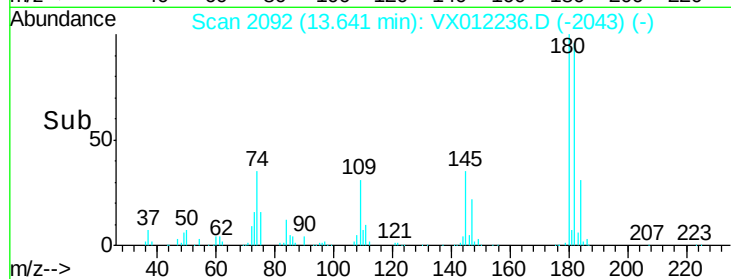
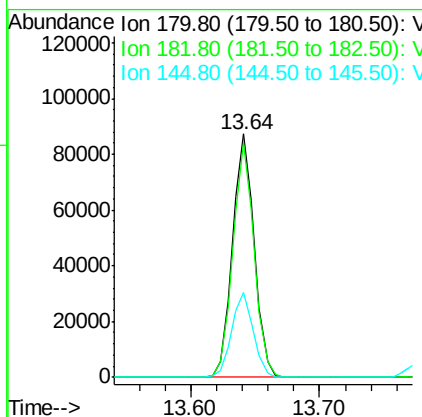
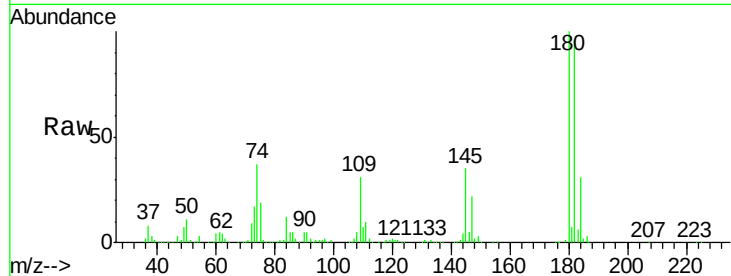
#93
 1,2,4-Trichlorobenzene
 Concen: 53.956 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	103122		
182	94.5	47.3	142.0	
145	34.6	13.7	41.0	

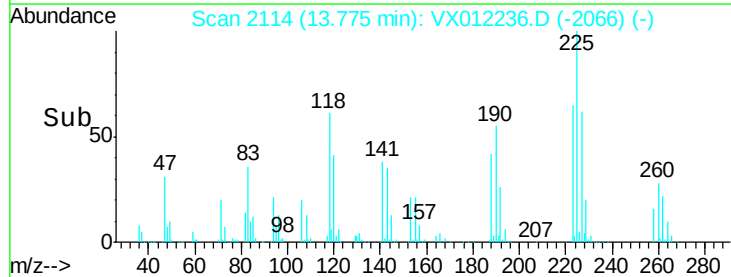
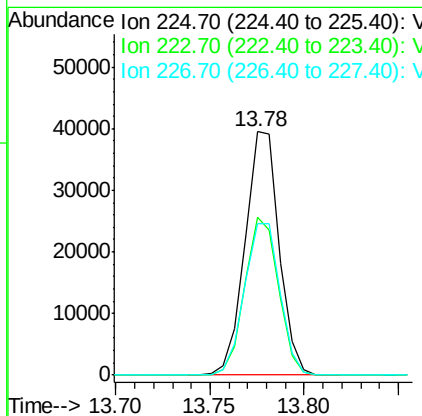
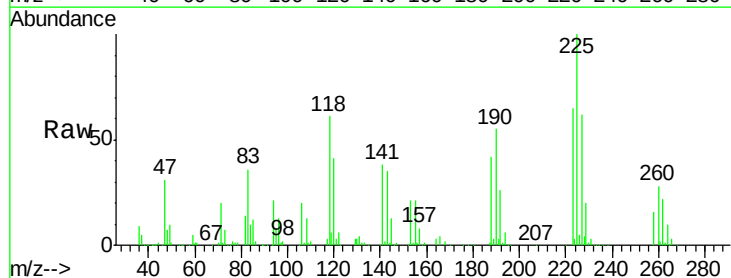
Manual Integrations
 APPROVED

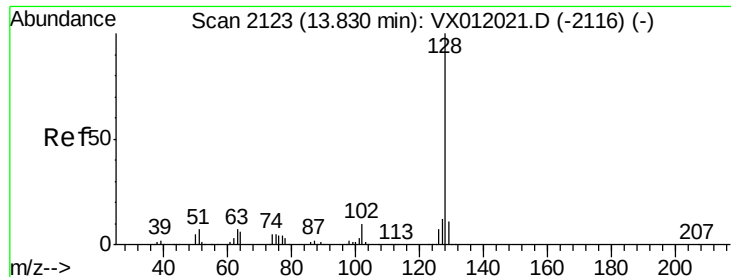
MMDadoda
 9/9/2019 8:42:57 AM



#94
 Hexachlorobutadiene
 Concen: 51.439 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012236.D
 Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49557		
223	63.9	31.6	95.0	
227	65.0	32.5	97.5	





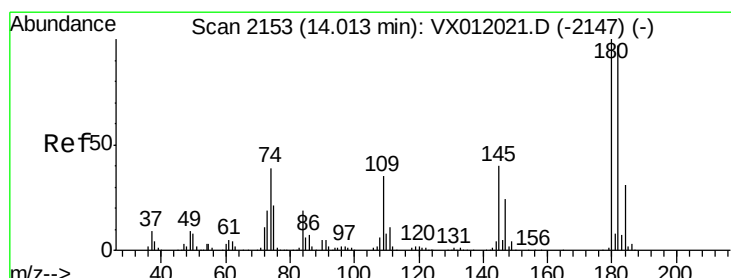
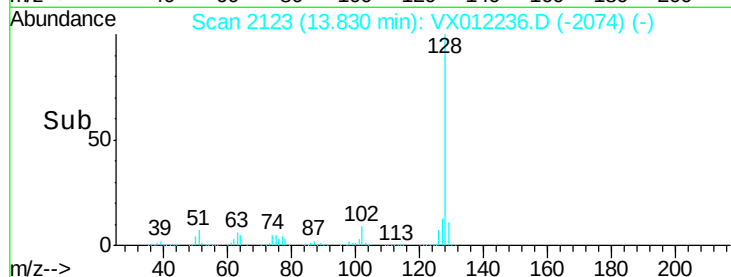
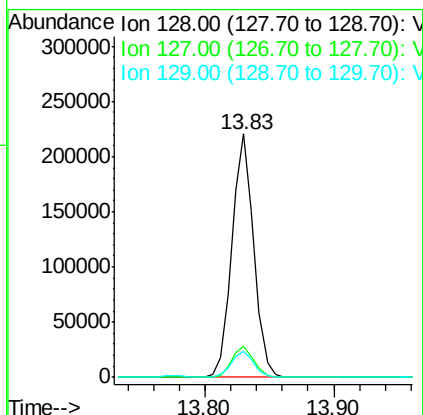
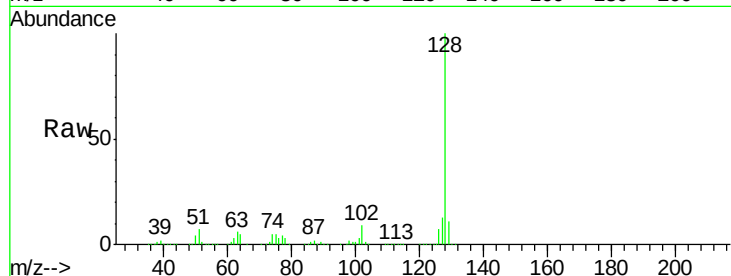
#95
Naphthalene
Concen: 63.030 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	260719		
127	13.0		10.5	15.7
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:42:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.906 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012236.D
Acq: 08 Sep 2019 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94001		
182	95.7		47.9	143.6
145	37.6		14.1	42.4

