

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010527.D
 Acq On : 28 Jun 2019 11:25
 Operator : JC/SP
 Sample : VX0628WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/1/2019 11:35:38 AM

Quant Time: Jun 29 04:53:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	267071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	378945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	348401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	180406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	122188	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	5.49	113	119829	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	8.71	98	453656	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.13	95	161815	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31716	17.081	ug/l	99
3) Chloromethane	1.33	50	35719	16.521	ug/l	99
4) Vinyl Chloride	1.41	62	38984	16.462	ug/l	98
5) Bromomethane	1.64	94	25477	22.083	ug/l	97
6) Chloroethane	1.72	64	24293	17.388	ug/l	96
7) Trichlorofluoromethane	1.93	101	70156	18.688	ug/l	99
8) Diethyl Ether	2.18	74	25202	18.720	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41945	18.438	ug/l	100
10) Methyl Iodide	2.51	142	54867	16.899	ug/l	99
11) Tert butyl alcohol	3.04	59	57887	88.346	ug/l	99
12) 1,1-Dichloroethene	2.37	96	40562	17.522	ug/l	95
13) Acrolein	2.29	56	34274	78.852	ug/l	99
14) Allyl chloride	2.73	41	56733	17.262	ug/l	99
15) Acrylonitrile	3.14	53	116070	89.472	ug/l	100
16) Acetone	2.44	43	114393	91.153	ug/l	99
17) Carbon Disulfide	2.57	76	92226	14.850	ug/l	99
18) Methyl Acetate	2.77	43	43957	17.574	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	132880	18.246	ug/l	100
20) Methylene Chloride	2.85	84	46269	17.915	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	43839	17.608	ug/l	93
22) Diisopropyl ether	3.85	45	124376	18.101	ug/l	95
23) Vinyl Acetate	3.81	43	535879	90.275	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70731	17.808	ug/l	98
25) 2-Butanone	4.67	43	162402	88.221	ug/l	100
26) 2,2-Dichloropropane	4.58	77	61692	17.880	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	52257	18.163	ug/l	98
28) Bromochloromethane	5.01	49	34206	18.012	ug/l	97
29) Tetrahydrofuran	5.13	42	98979	86.805	ug/l	99
30) Chloroform	5.21	83	77332	18.096	ug/l	99
31) Cyclohexane	5.57	56	65060	17.987	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	68209	18.076	ug/l	99
36) 1,1-Dichloropropene	5.80	75	56033	18.608	ug/l	99
37) Ethyl Acetate	4.83	43	58217	18.792	ug/l	99
38) Carbon Tetrachloride	5.78	117	59638	18.289	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010527.D
 Acq On : 28 Jun 2019 11:25
 Operator : JC/SP
 Sample : VX0628WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0628WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/1/2019 11:35:38 AM

Quant Time: Jun 29 04:53:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	72898	18.417	ug/l	98
40) Benzene	6.14	78	176638	18.828	ug/l	96
41) Methacrylonitrile	5.04	41	31568	18.572	ug/l	98
42) 1,2-Dichloroethane	6.19	62	56055	19.629	ug/l	98
43) Isopropyl Acetate	6.44	43	94855	18.507	ug/l	99
44) Trichloroethene	7.21	130	54372	19.369	ug/l	97
45) 1,2-Dichloropropane	7.51	63	44055	18.595	ug/l	99
46) Dibromomethane	7.66	93	31643	18.616	ug/l	98
47) Bromodichloromethane	7.90	83	56539	18.150	ug/l	100
48) Methyl methacrylate	7.77	41	44305	18.597	ug/l	100
49) 1,4-Dioxane	7.74	88	27055	394.215	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	309559	94.434	ug/l	99
52) Toluene	8.78	92	117401	19.003	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	61489	17.606	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	68825	18.134	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	49038	19.246	ug/l	97
56) Ethyl methacrylate	9.18	69	71702	18.576	ug/l	99
57) 1,3-Dichloropropane	9.37	76	74752	18.899	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	170147	92.816	ug/l	99
59) 2-Hexanone	9.49	43	245314	95.086	ug/l	100
60) Dibromochloromethane	9.58	129	50656	17.756	ug/l	100
61) 1,2-Dibromoethane	9.67	107	51668	18.787	ug/l	99
64) Tetrachloroethene	9.34	164	55397	19.659	ug/l	96
65) Chlorobenzene	10.13	112	133943	18.937	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	48108	18.672	ug/l	100
67) Ethyl Benzene	10.25	91	226290	18.950	ug/l	99
68) m/p-Xylenes	10.36	106	179197	38.729	ug/l	98
69) o-Xylene	10.69	106	86666	19.047	ug/l	100
70) Styrene	10.71	104	146476	19.196	ug/l	99
71) Bromoform	10.85	173	38544	17.203	ug/l #	100
73) Isopropylbenzene	11.02	105	231233	18.908	ug/l	100
74) N-amyl acetate	10.90	43	84680	18.322	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	74332	18.353	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	60993m	18.553	ug/l	
77) Bromobenzene	11.25	156	63655	18.641	ug/l	99
78) n-propylbenzene	11.36	91	256336	19.072	ug/l	100
79) 2-Chlorotoluene	11.42	91	149758	18.712	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	194442	19.287	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20956	14.871	ug/l	91
82) 4-Chlorotoluene	11.51	91	171869	18.872	ug/l	98
83) tert-Butylbenzene	11.77	119	191259	18.901	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	194165	19.169	ug/l	99
85) sec-Butylbenzene	11.94	105	229708	19.334	ug/l	100
86) p-Isopropyltoluene	12.06	119	213863	19.461	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	113874	19.104	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	115693	19.065	ug/l	100
89) n-Butylbenzene	12.38	91	180208	19.298	ug/l	99
90) Hexachloroethane	12.59	117	31458	16.555	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	113324	19.129	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14471	16.572	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
Data File : VX010527.D
Acq On : 28 Jun 2019 11:25
Operator : JC/SP
Sample : VX0628WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

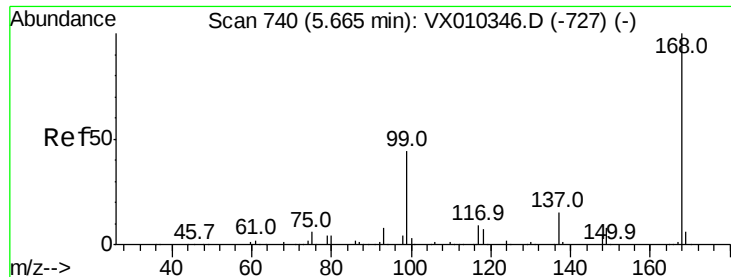
Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM

Quant Time: Jun 29 04:53:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	81865	19.927	ug/l	99
94) Hexachlorobutadiene	13.78	225	41971	20.903	ug/l	99
95) Naphthalene	13.83	128	241012	19.090	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	82239	20.133	ug/l	100

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



#1

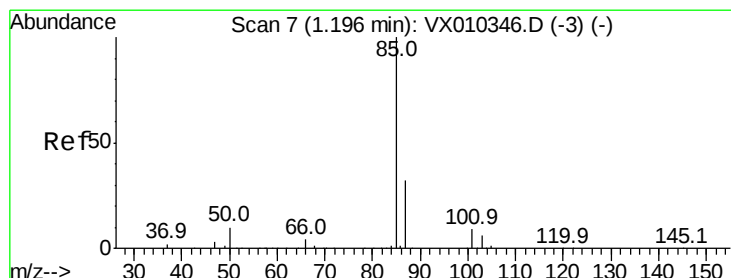
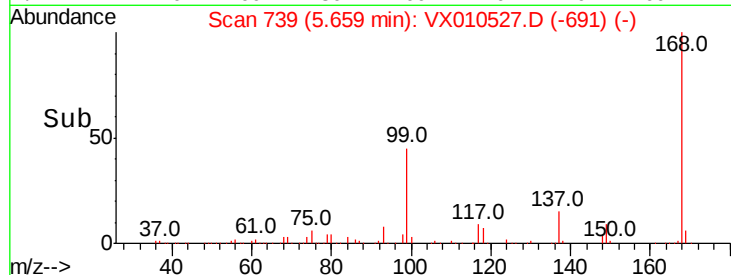
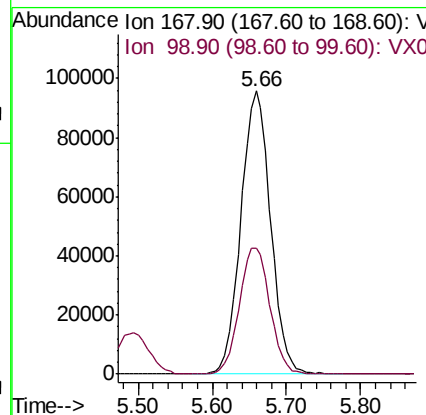
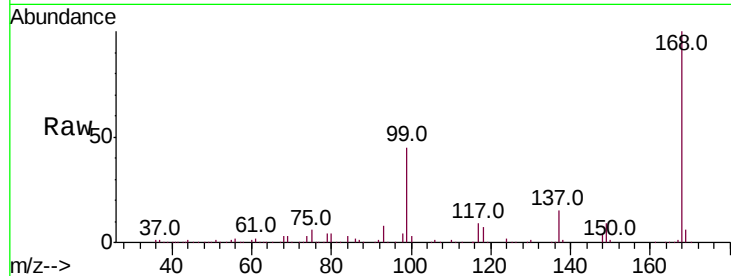
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Instrument :
 MSVOA_X
 ClientSampled :
 VX0628WBS01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	267071		
99	44.5	35.5	53.3	

Manual Integrations
 APPROVED

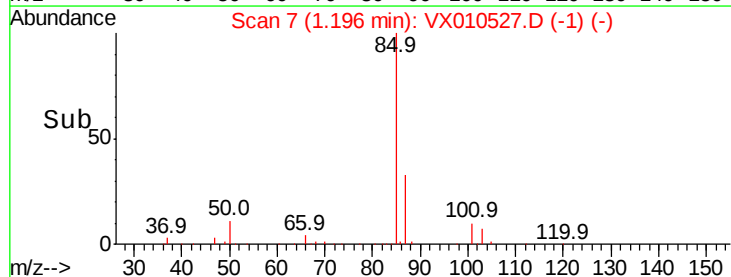
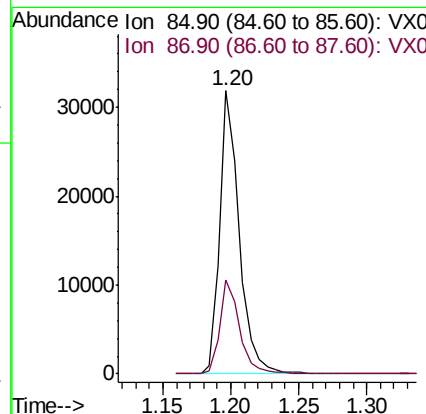
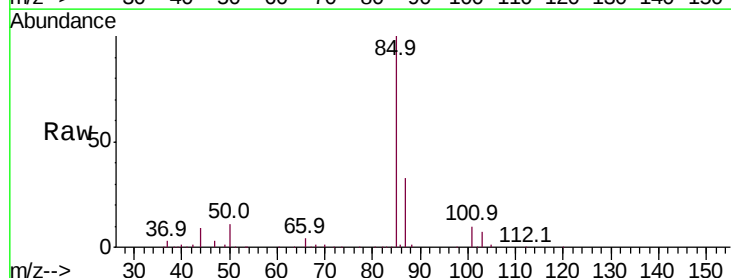
MMDadoda
 7/1/2019 11:35:38 AM

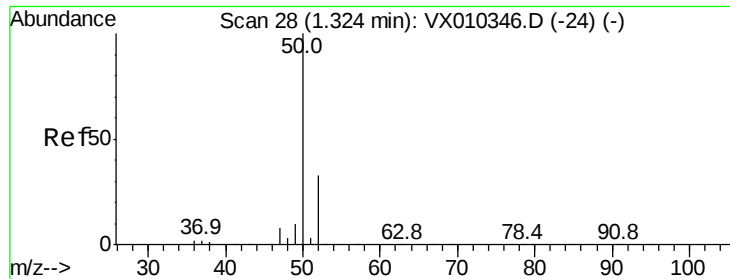


#2

Dichlorodifluoromethane
 Concen: 17.081 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	31716		
87	33.1	16.3	48.8	





#3

Chloromethane

Concen: 16.521 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS01

Tot Ion: 50 Resp: 35719

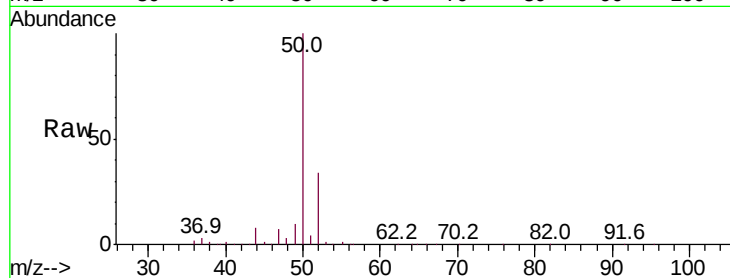
Ion Ratio Lower Upper

50 100

52 33.6 26.5 39.7

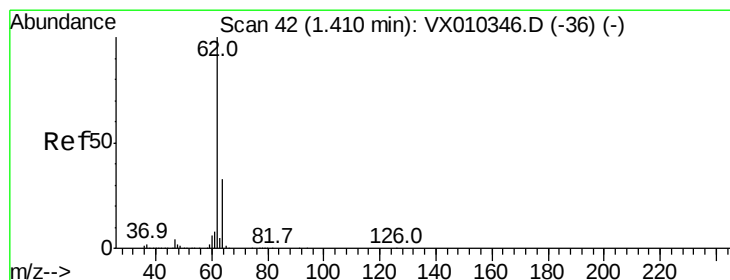
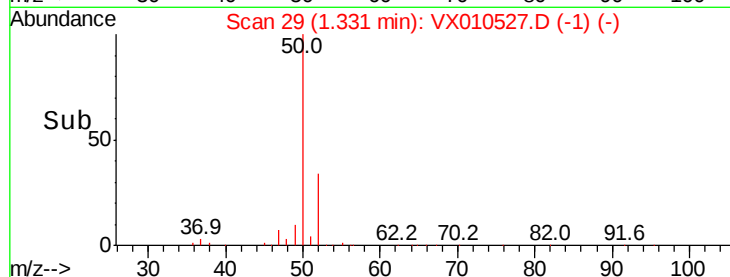
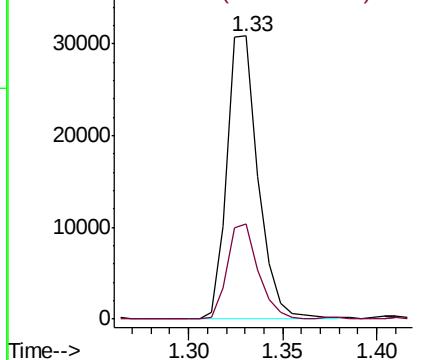
Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.462 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010527.D

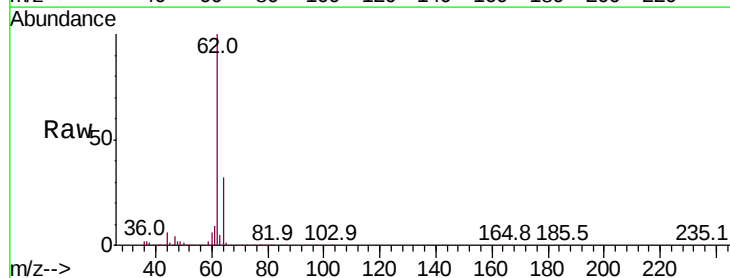
Acq: 28 Jun 2019 11:25

Tgt Ion: 62 Resp: 38984

Ion Ratio Lower Upper

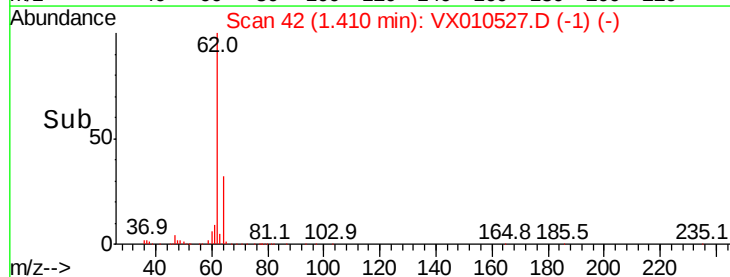
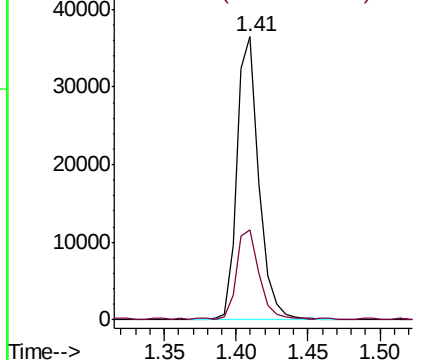
62 100

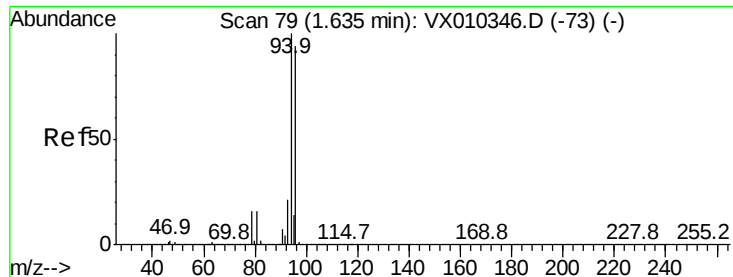
64 31.6 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.083 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0628WBS01

Tot Ion: 94 Resp: 25477

Ion Ratio Lower Upper

94 100

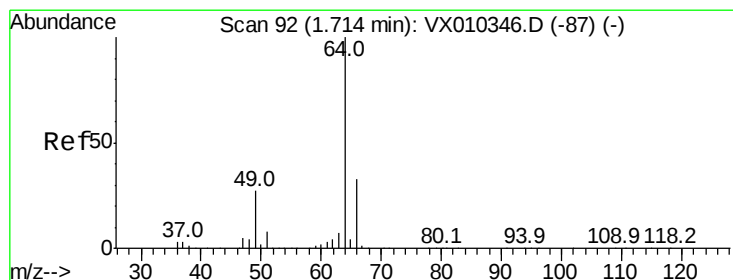
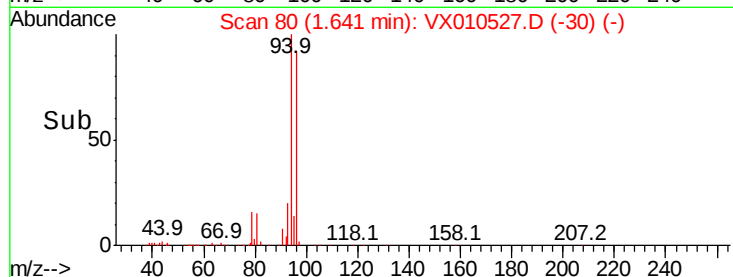
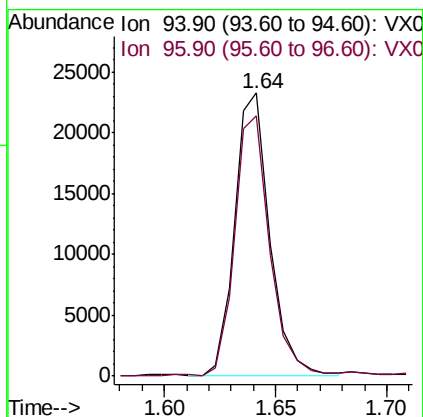
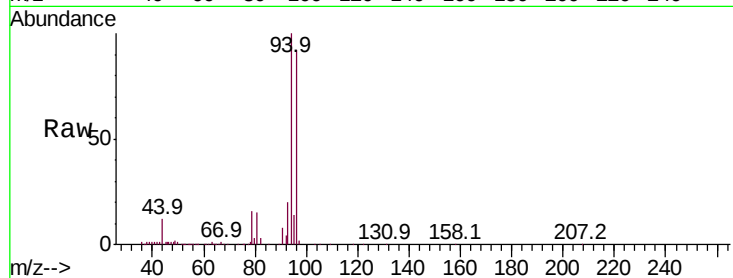
96 91.5 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

7/1/2019 11:35:38 AM



#6

Chloroethane

Concen: 17.388 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010527.D

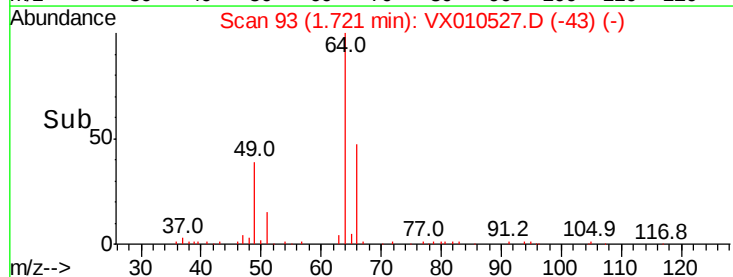
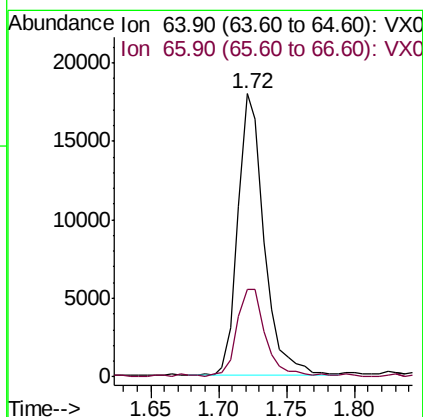
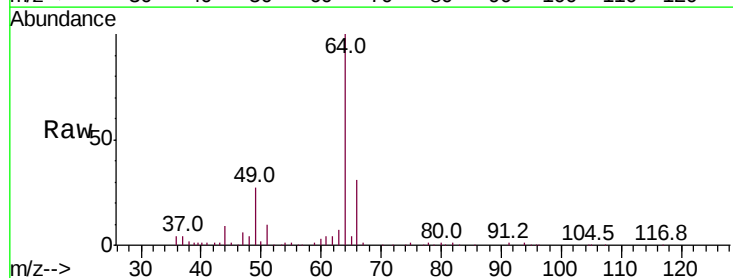
Acq: 28 Jun 2019 11:25

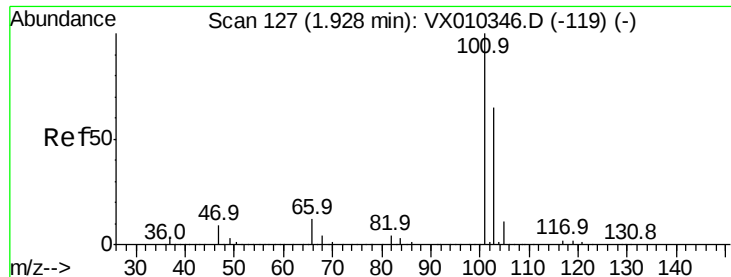
Tgt Ion: 64 Resp: 24293

Ion Ratio Lower Upper

64 100

66 30.8 26.6 40.0





#7

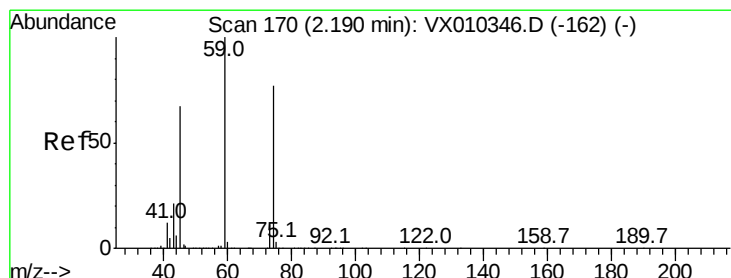
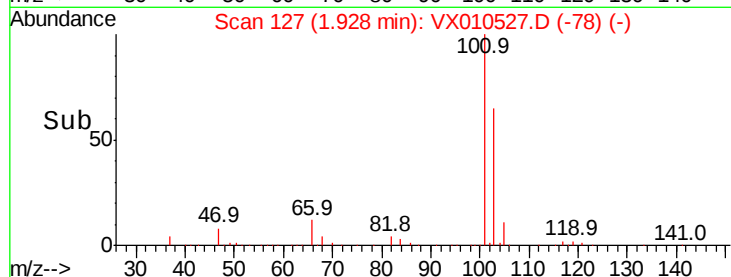
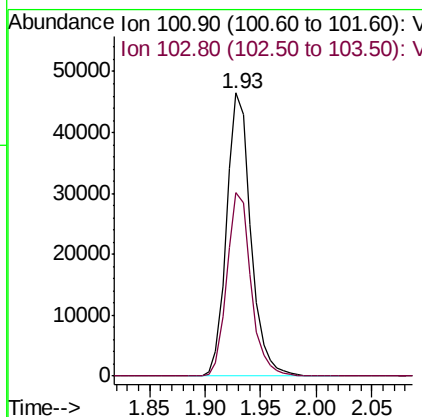
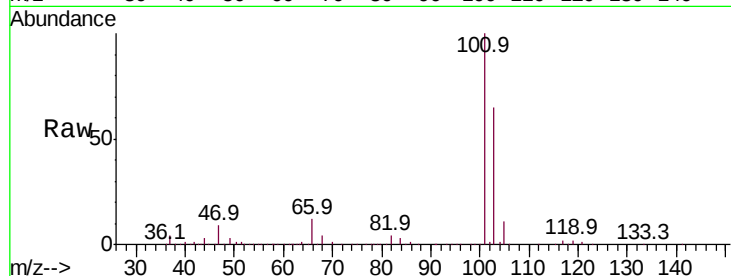
Trichlorofluoromethane
 Concen: 18.688 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Instrument :
 MSVOA_X
 ClientSampled :
 VX0628WBS01

Tot Ion:101 Resp: 70156
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.3 78.5

Manual Integrations
 APPROVED

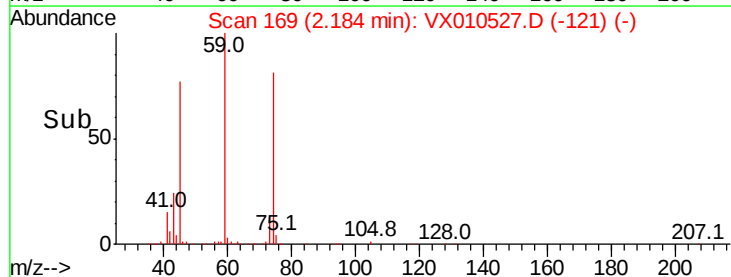
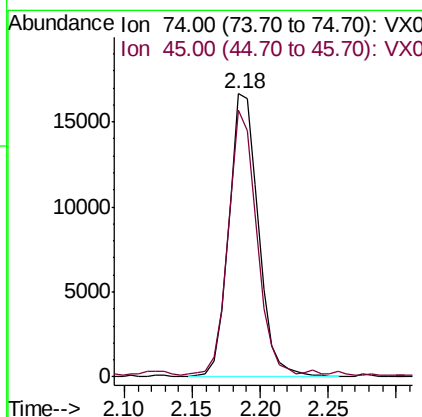
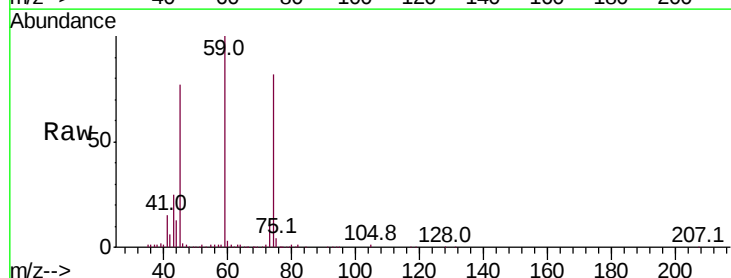
MMDadoda
 7/1/2019 11:35:38 AM

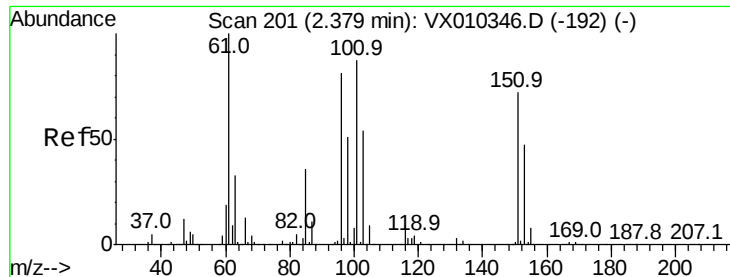


#8

Diethyl Ether
 Concen: 18.720 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Tgt Ion: 74 Resp: 25202
 Ion Ratio Lower Upper
 74 100
 45 89.1 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.438 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

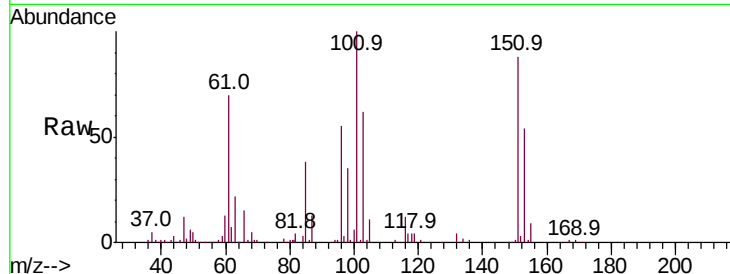
ClientSampled :

VX0628WBS01

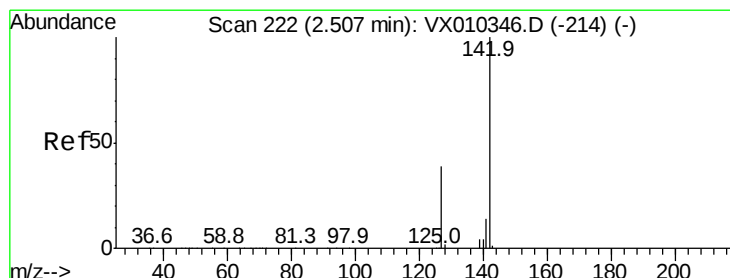
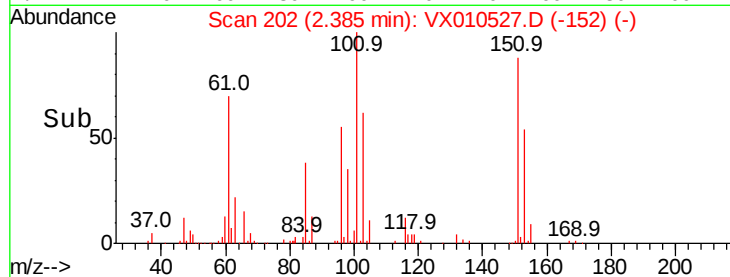
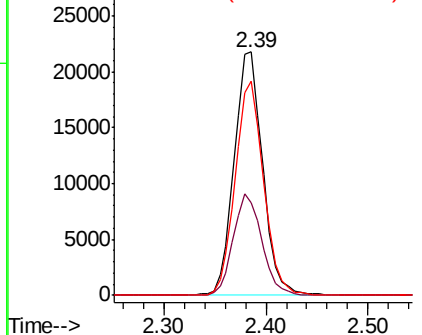
Tot Ion:	101	Resp:	41945
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.7	50.5
151	87.9	70.1	105.1

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.899 ug/l

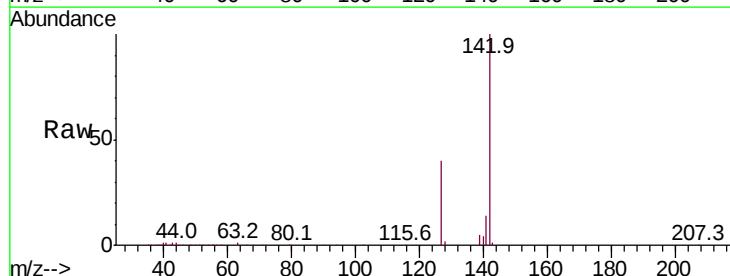
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

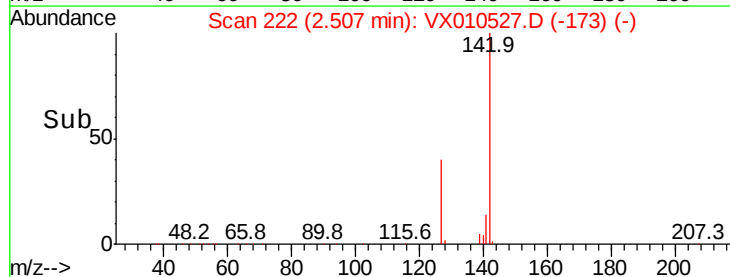
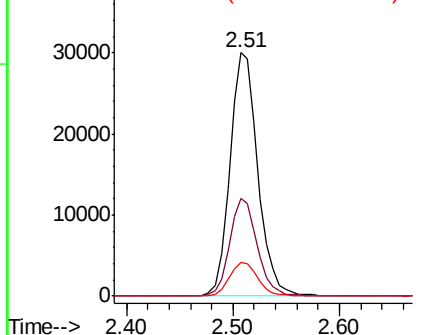
Lab File: VX010527.D

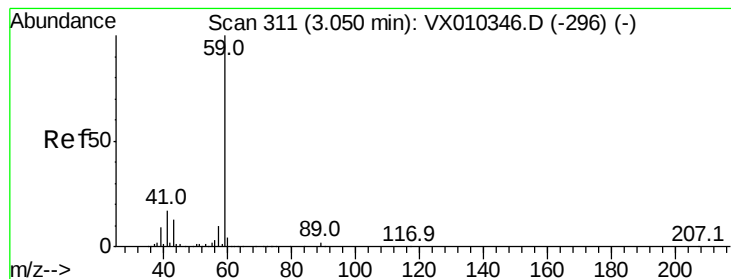
Acq: 28 Jun 2019 11:25

Tgt Ion:	142	Resp:	54867
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.1	46.7
141	14.1	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

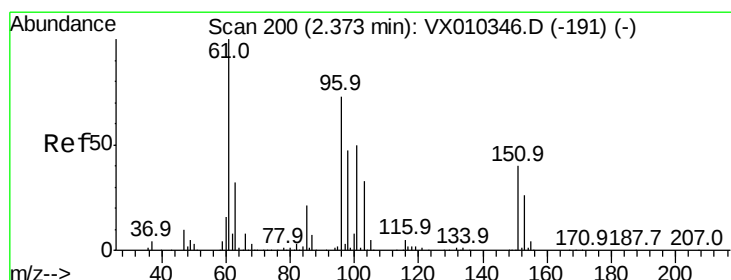
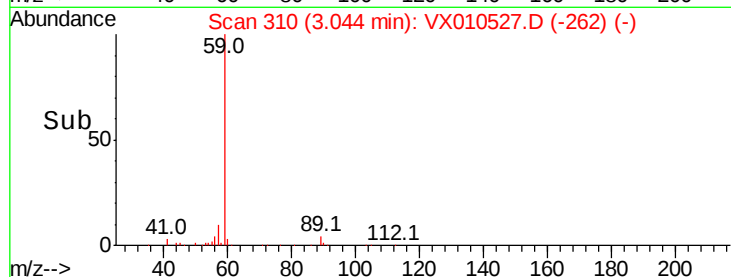
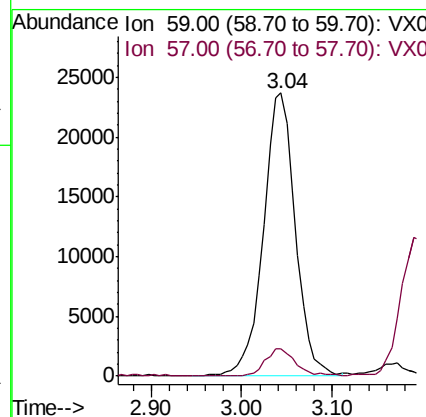
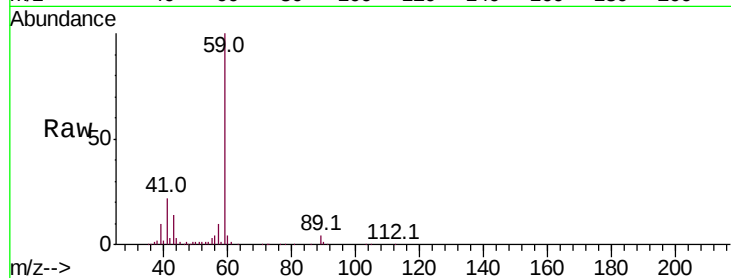
Tert butyl alcohol
Concen: 88.346 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion	59	Resp	57887
Ion Ratio	100	Lower	Upper
57	9.3	7.7	11.5

Manual Integrations
APPROVED

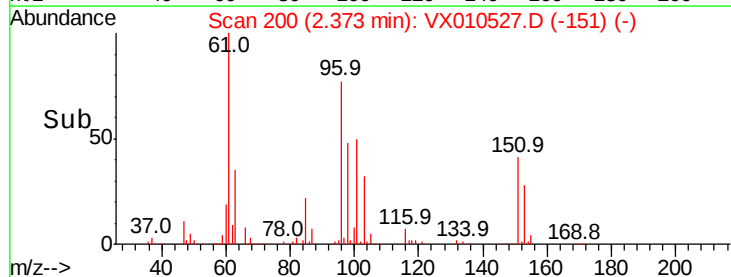
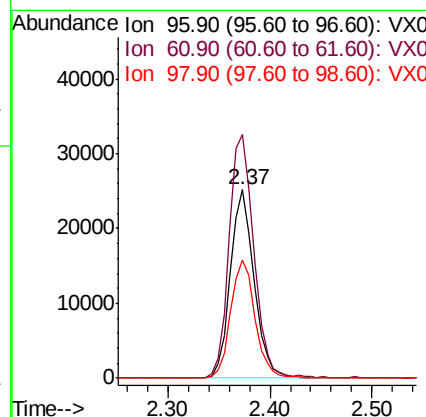
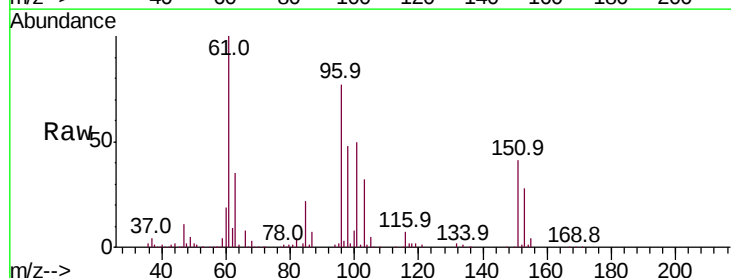
MMDadoda
7/1/2019 11:35:38 AM

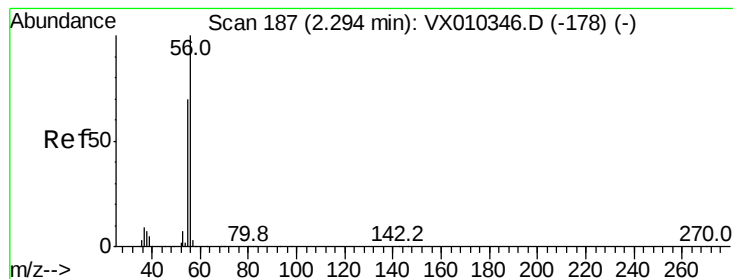


#12

1,1-Dichloroethene
Concen: 17.522 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion	96	Resp	40562
Ion Ratio	100	Lower	Upper
61	129.2	109.2	163.8
98	62.4	51.1	76.7





#13

Acrolein

Concen: 78.852 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS01

Tot Ion: 56 Resp: 34274

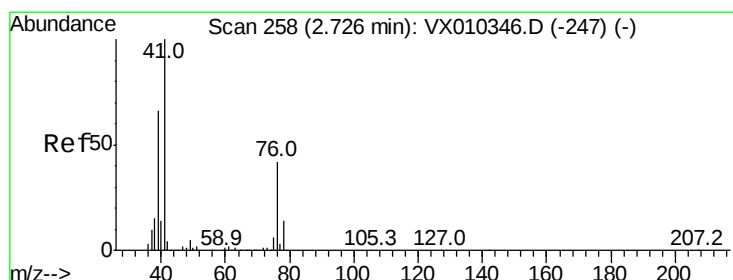
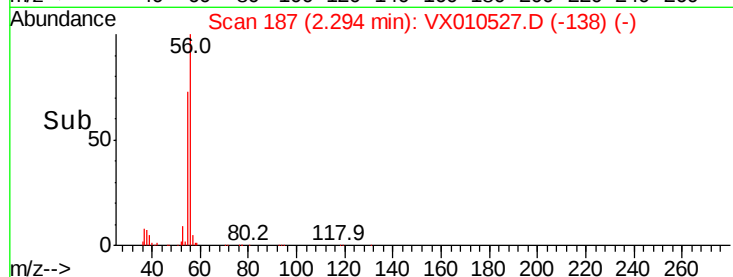
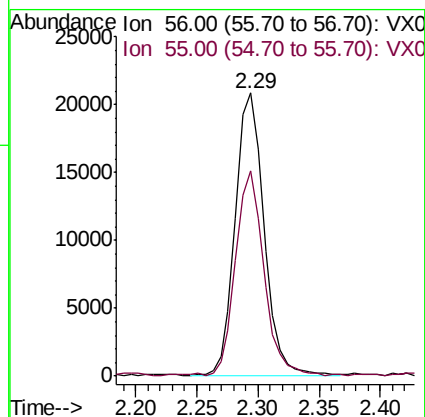
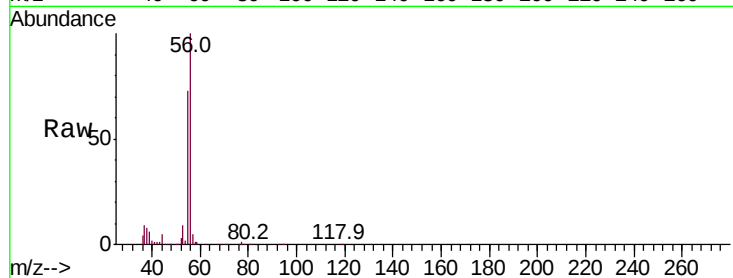
Ion Ratio Lower Upper

56 100

55 69.9 56.9 85.3

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



#14

Allyl chloride

Concen: 17.262 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

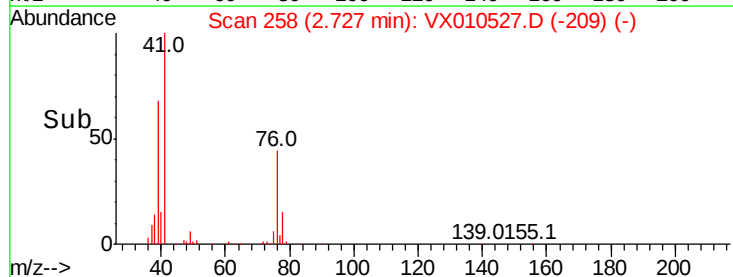
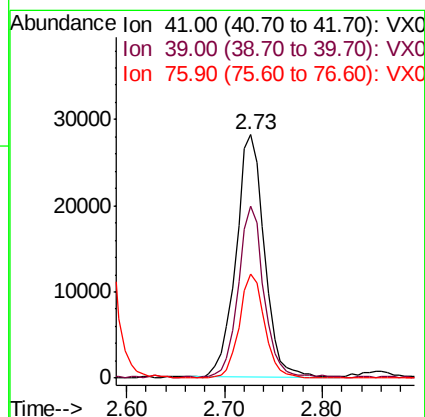
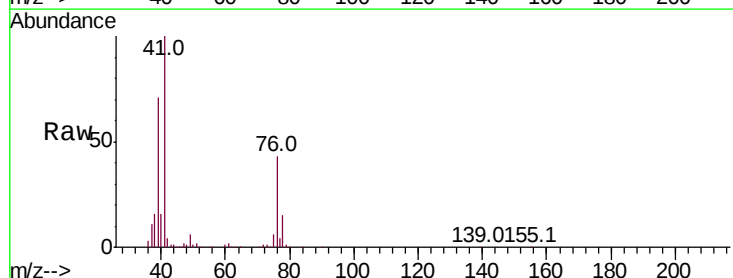
Tgt Ion: 41 Resp: 56733

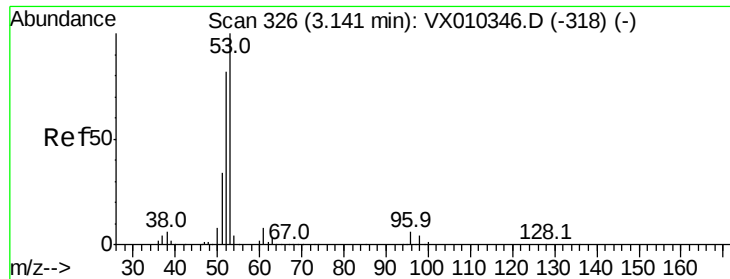
Ion Ratio Lower Upper

41 100

39 63.9 50.3 75.5

76 38.5 31.3 46.9





#15

Acrylonitrile

Concen: 89.472 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

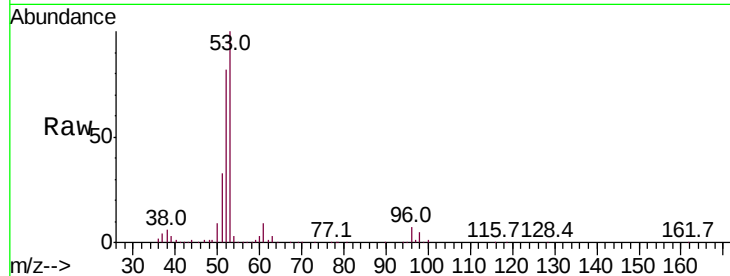
ClientSampleId :

VX0628WBS01

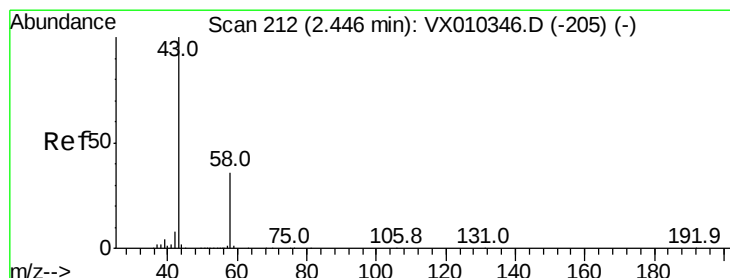
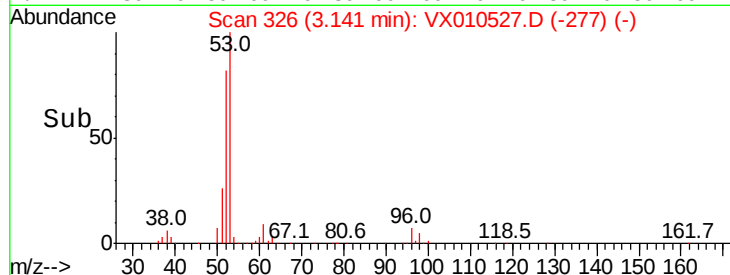
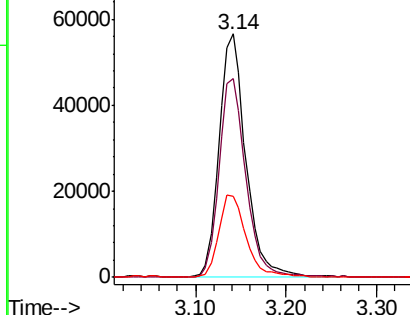
Tot Ion:	53	Resp:	116070
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.5	98.3
51	35.3	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 91.153 ug/l

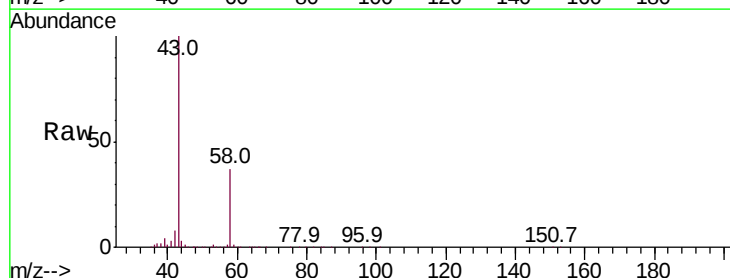
RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

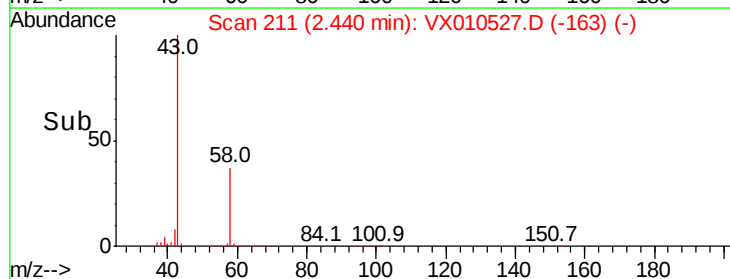
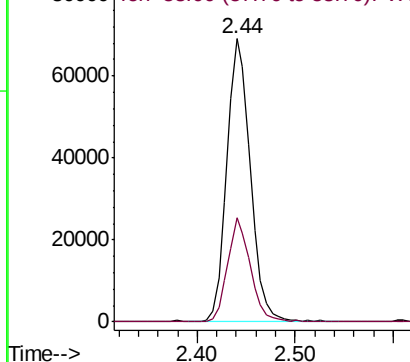
Lab File: VX010527.D

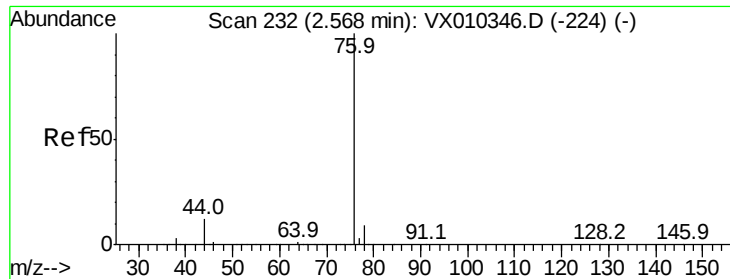
Acq: 28 Jun 2019 11:25

Tgt Ion:	43	Resp:	114393
Ion Ratio	Lower	Upper	
43	100		
58	36.7	28.9	43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





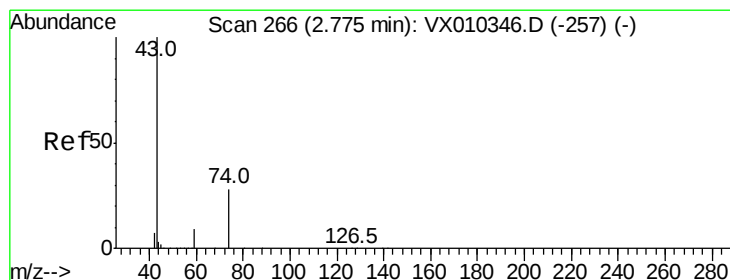
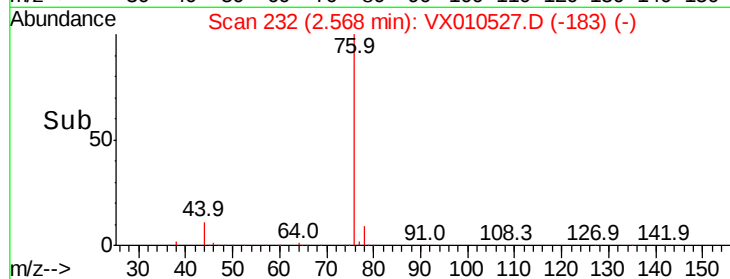
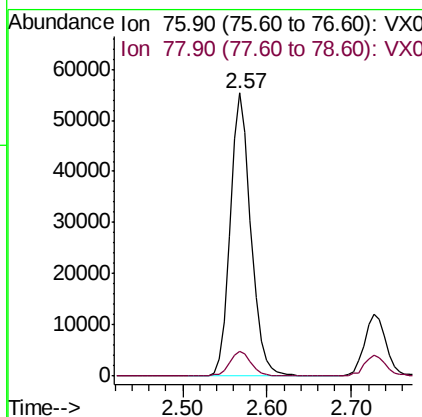
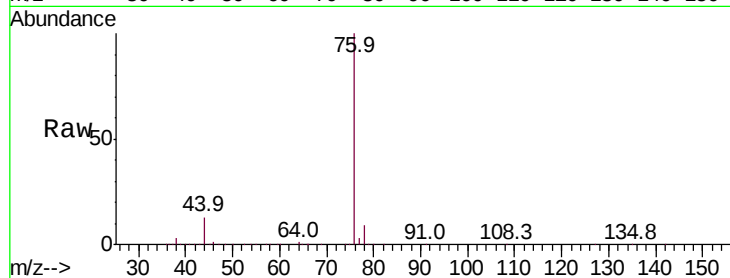
#17
Carbon Disulfide
Concen: 14.850 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

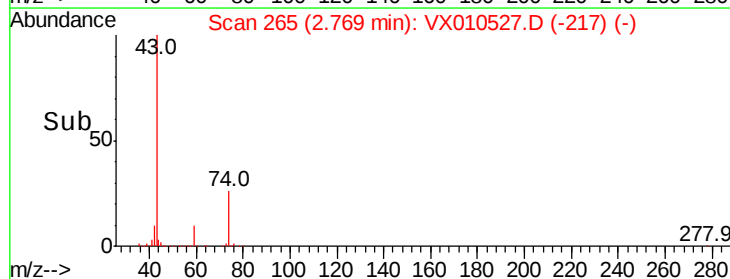
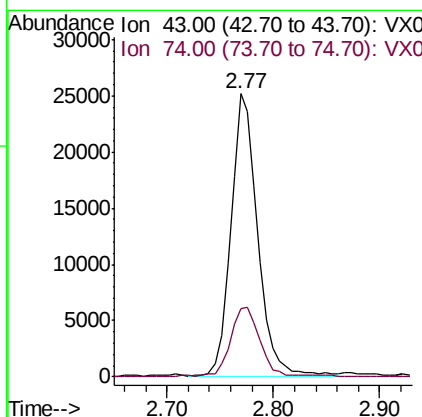
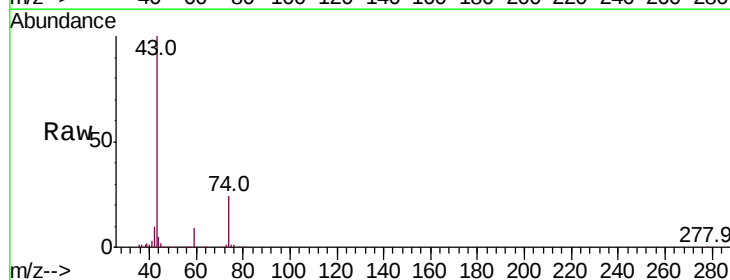
Manual Integrations
APPROVED

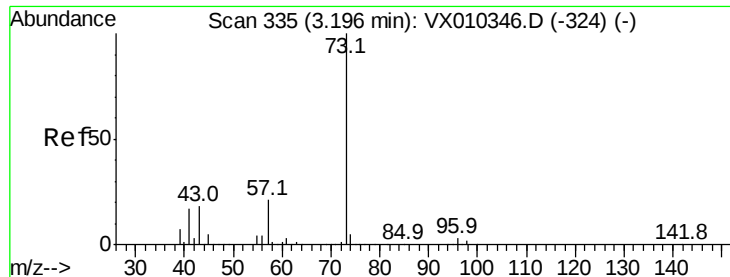
MMDadoda
7/1/2019 11:35:38 AM



#18
Methyl Acetate
Concen: 17.574 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.0	21.3	31.9





#19

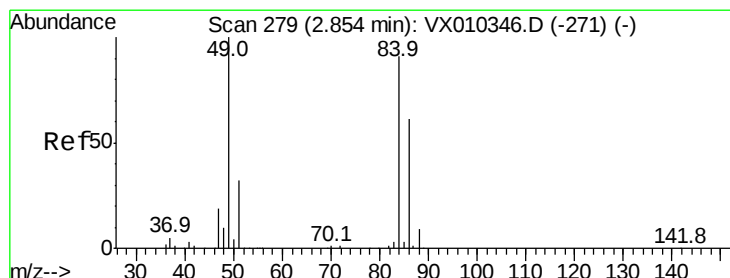
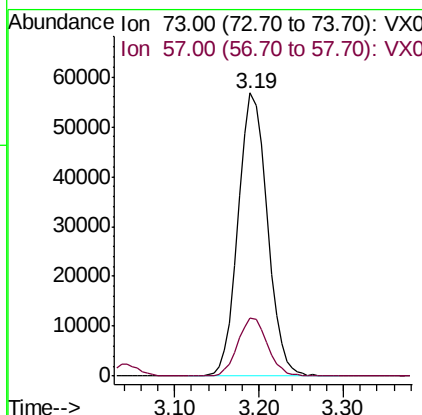
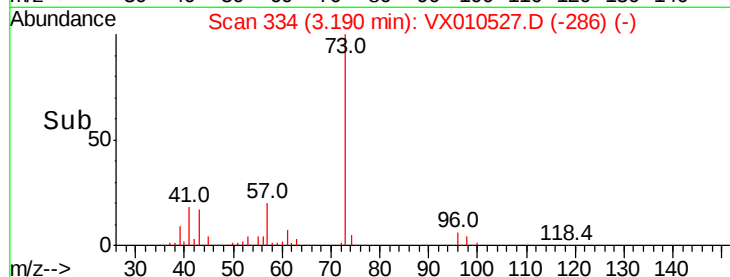
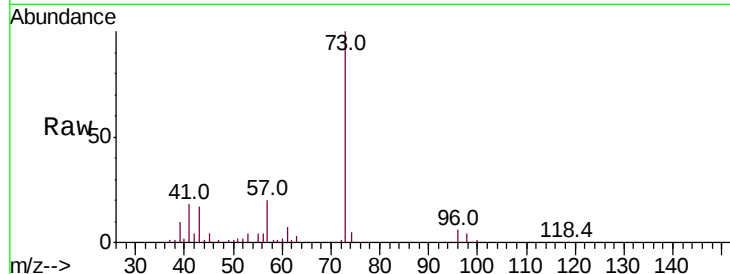
Methyl tert-butyl Ether
 Concen: 18.246 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	16.4	24.6

Manual Integrations
 APPROVED

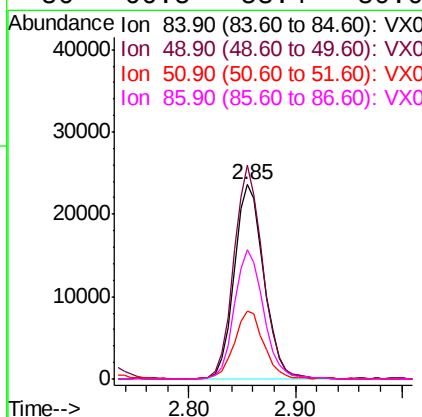
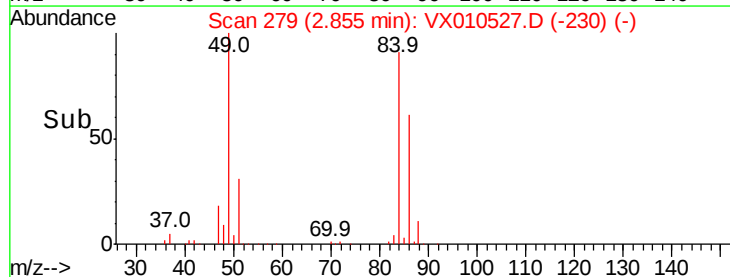
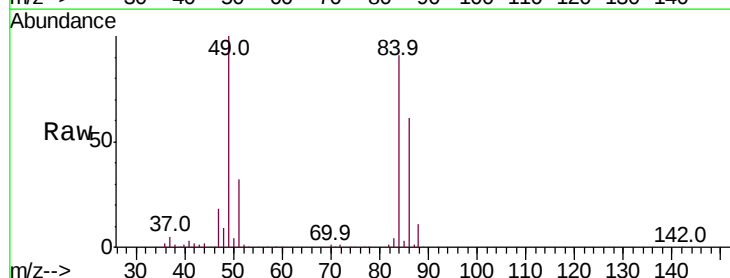
MMDadoda
 7/1/2019 11:35:38 AM

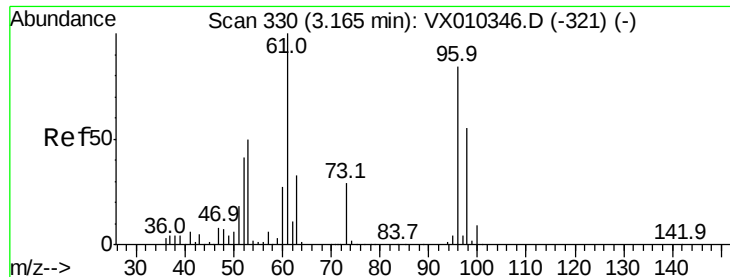


#20

Methylene Chloride
 Concen: 17.915 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.6	87.5	131.3
51	34.7	27.7	41.5
86	66.5	53.4	80.0





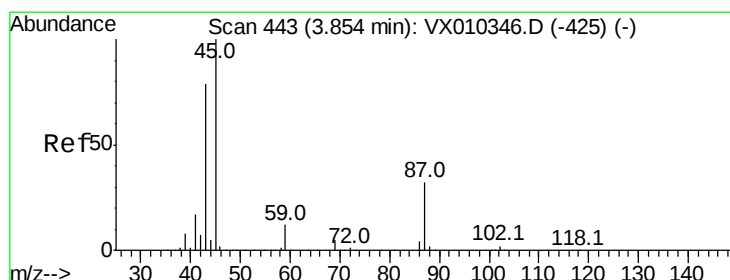
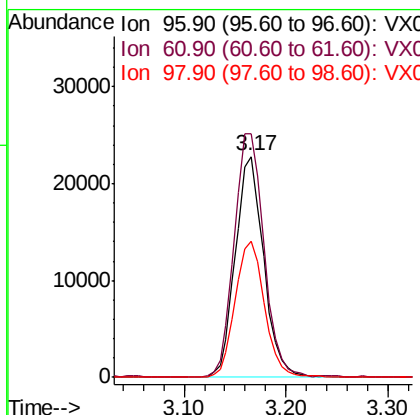
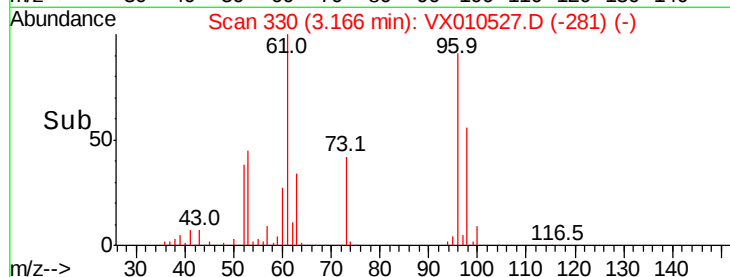
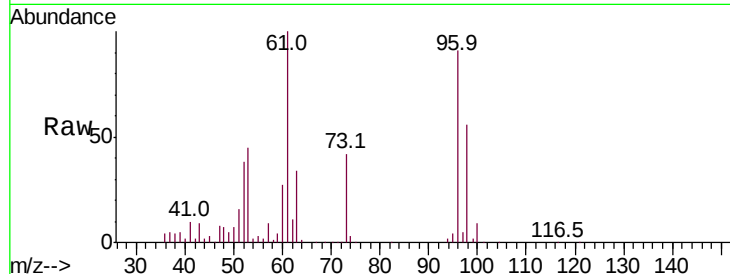
#21
trans-1,2-Dichloroethene
Concen: 17.608 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	109.8	95.6	143.4
98	61.6	52.5	78.7

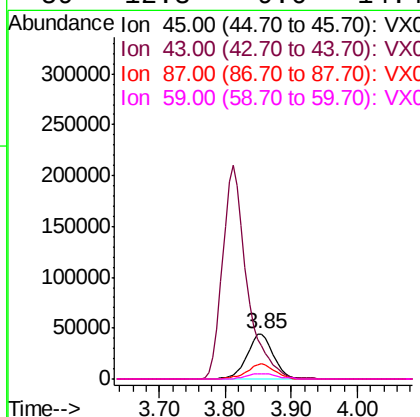
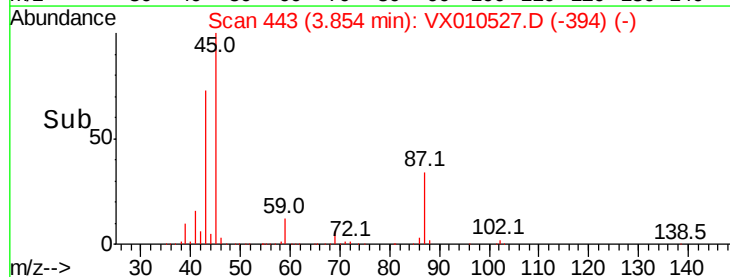
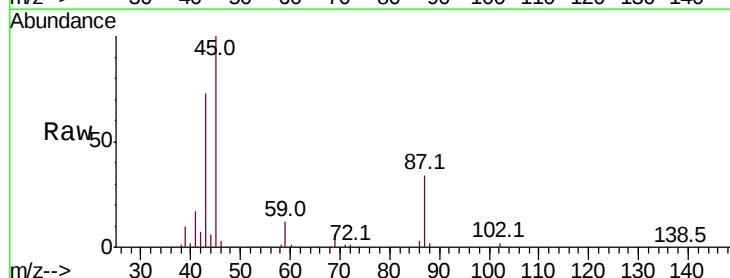
Manual Integrations
APPROVED

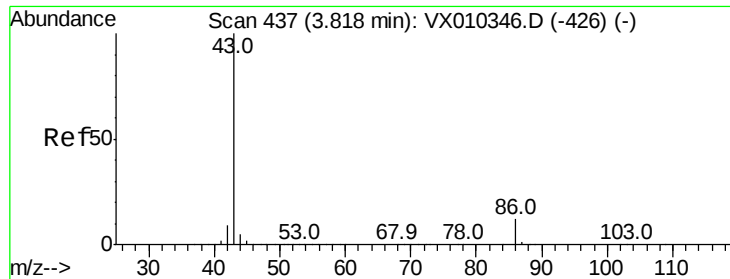
MMDadoda
7/1/2019 11:35:38 AM



#22
Diisopropyl ether
Concen: 18.101 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.2	63.3	94.9
87	34.3	25.8	38.8
59	12.3	9.6	14.4





#23

Vinyl Acetate

Concen: 90.275 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS01

Tot Ion: 43 Resp: 535879

Ion Ratio Lower Upper

43 100

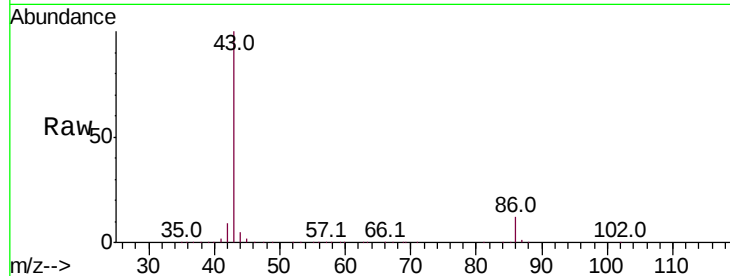
86 12.2 9.9 14.9

Manual Integrations

APPROVED

MMDadoda

7/1/2019 11:35:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

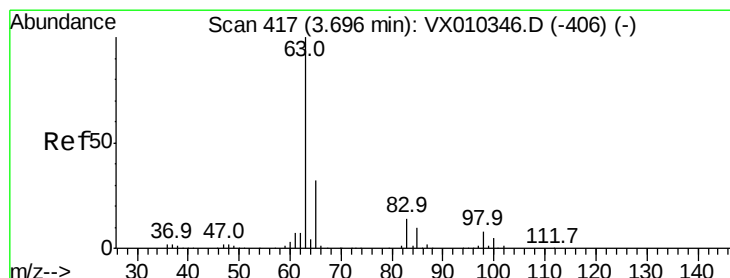
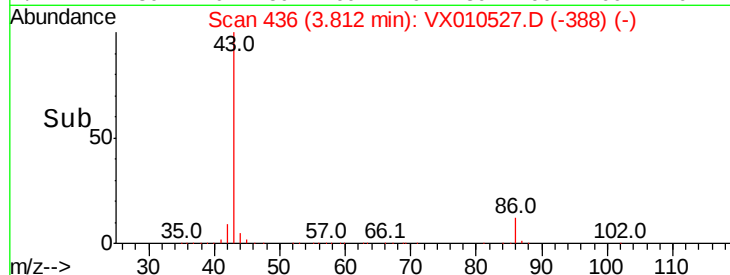
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 17.808 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

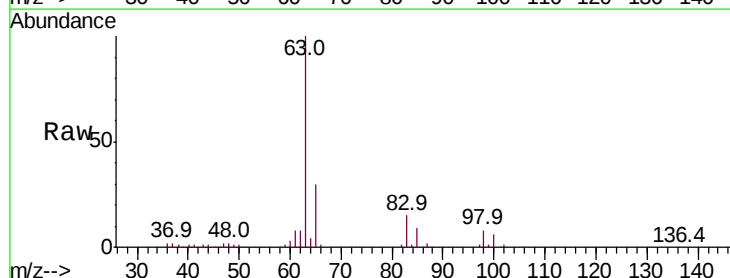
Tgt Ion: 63 Resp: 70731

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

100 6.2 2.4 7.1



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

40000

30000

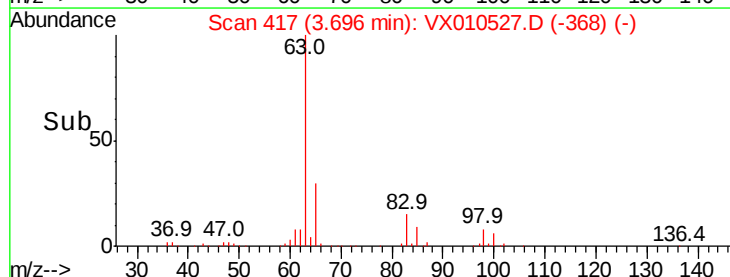
20000

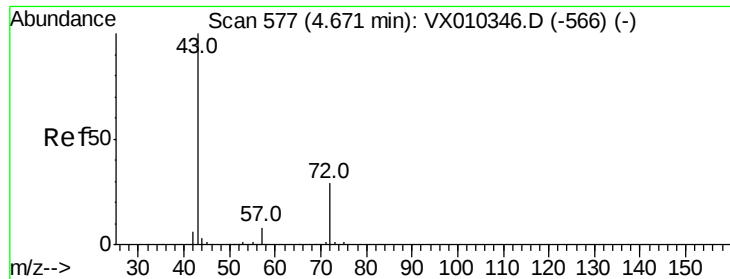
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 88.221 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS01

Tot Ion: 43 Resp: 162402

Ion Ratio Lower Upper

43 100

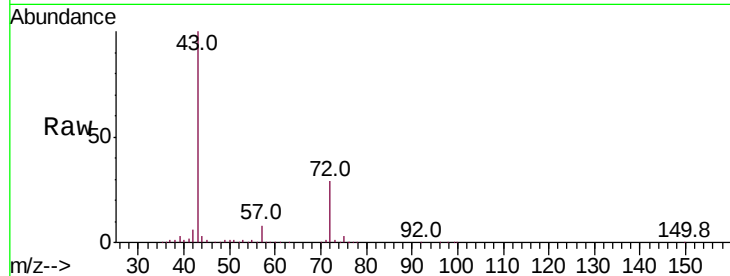
72 29.3 23.3 34.9

Manual Integrations

APPROVED

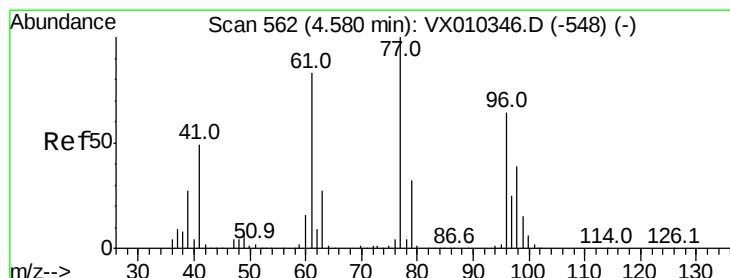
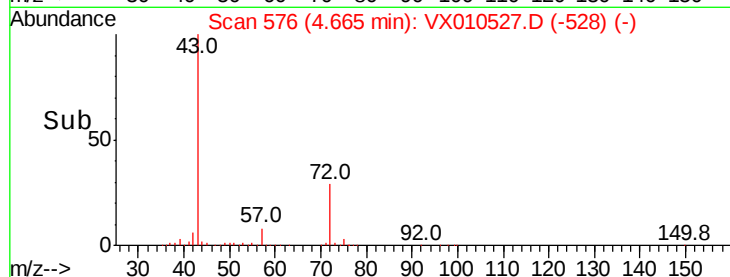
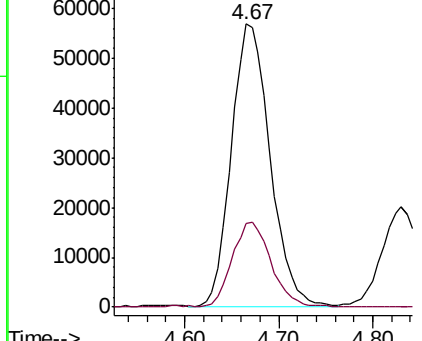
MMDadoda

7/1/2019 11:35:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.880 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010527.D

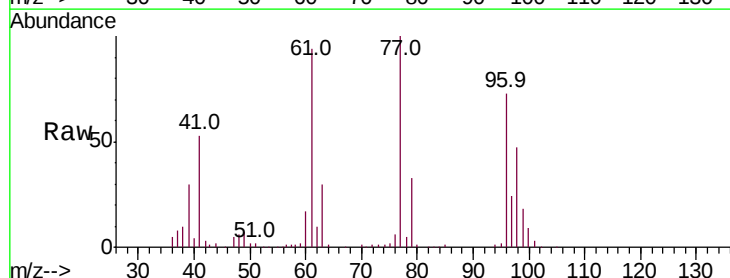
Acq: 28 Jun 2019 11:25

Tgt Ion: 77 Resp: 61692

Ion Ratio Lower Upper

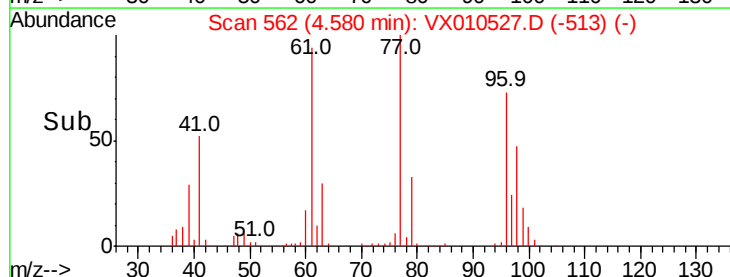
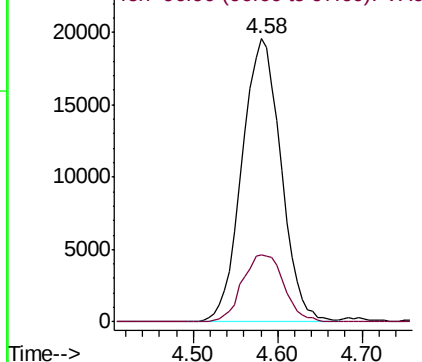
77 100

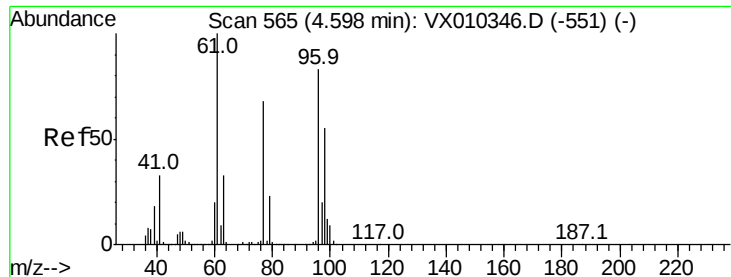
97 25.3 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

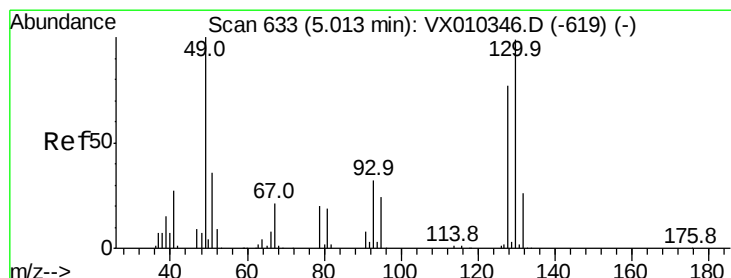
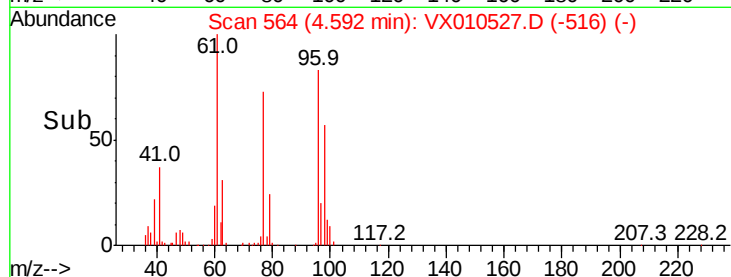
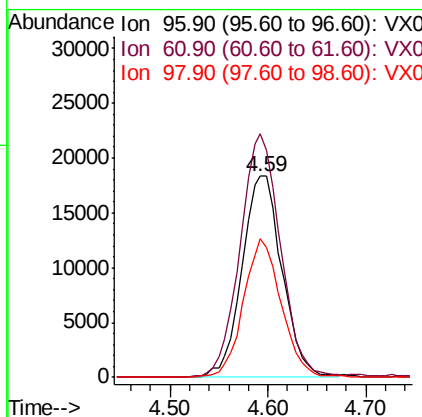
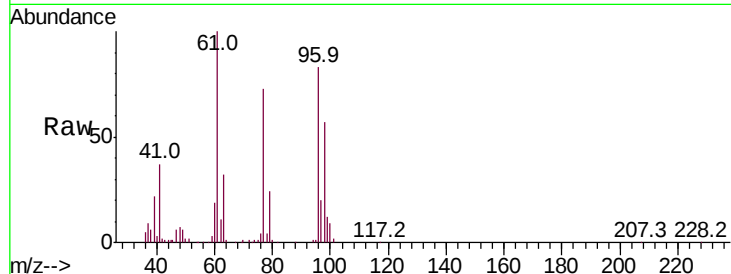
cis-1,2-Dichloroethene
Concen: 18.163 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.9	0.0	251.8
98	65.1	0.0	129.4

Manual Integrations
APPROVED

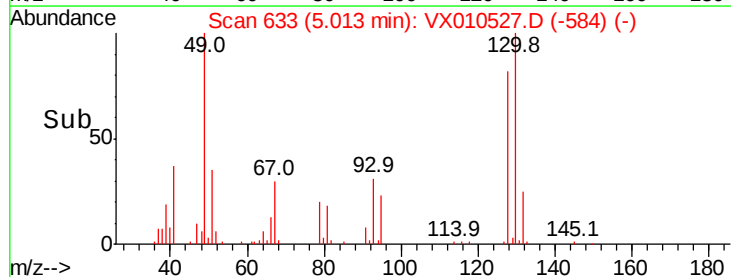
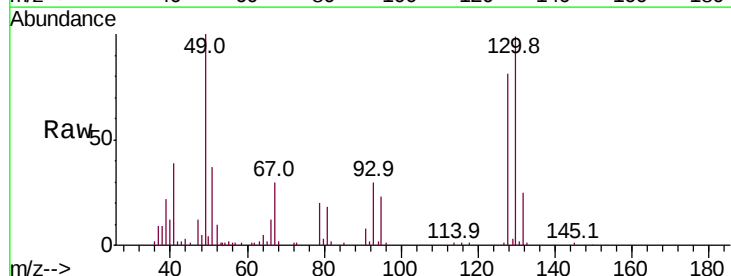
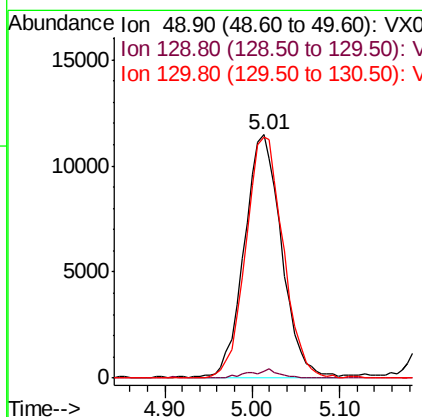
MMDadoda
7/1/2019 11:35:38 AM

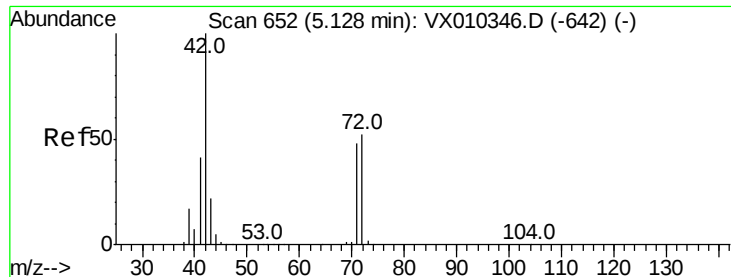


#28

Bromochloromethane
Concen: 18.012 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.6
130	98.6	81.4	122.0





#29

Tetrahydrofuran

Concen: 86.805 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

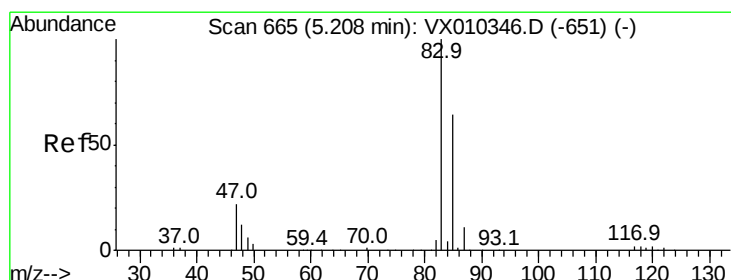
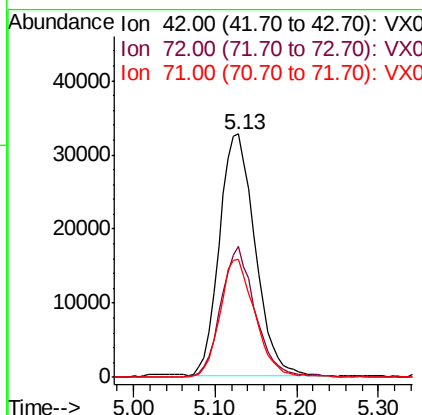
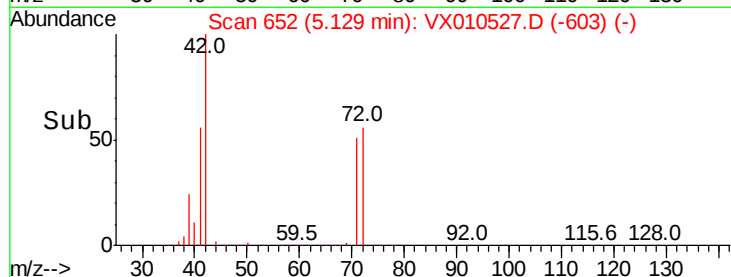
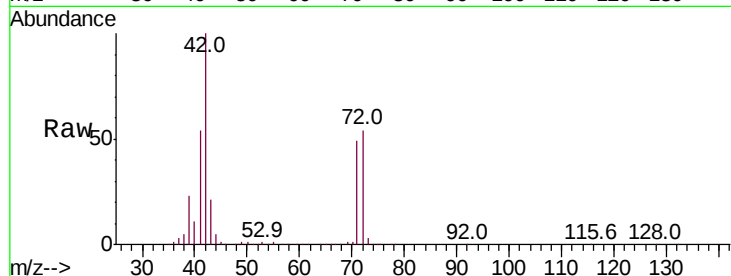
ClientSampled :

VX0628WBS01

Tot Ion:	42	Resp:	98979
Ion	Ratio	Lower	Upper
42	100		
72	51.7	40.6	60.8
71	48.3	37.8	56.8

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



#30

Chloroform

Concen: 18.096 ug/l

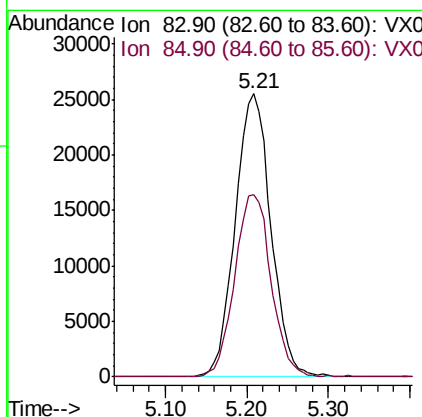
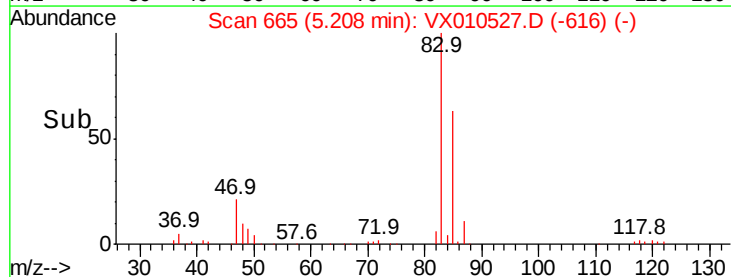
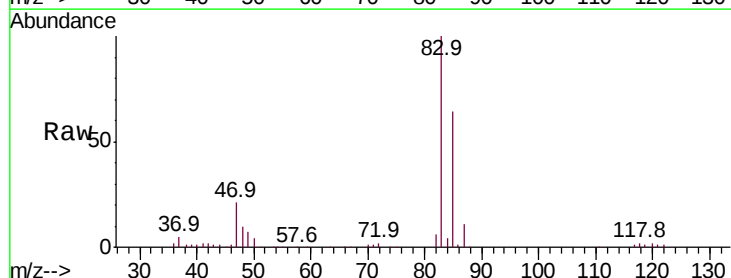
RT: 5.21 min Scan# 665

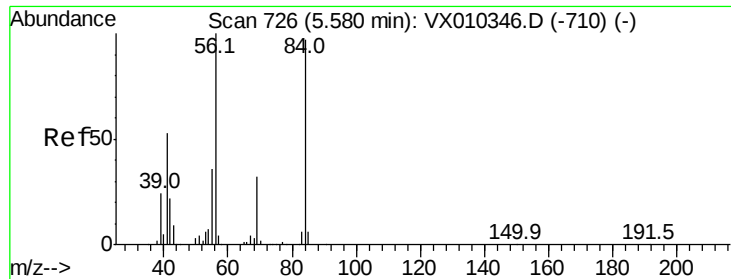
Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Tgt Ion:	83	Resp:	77332
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.9	76.3





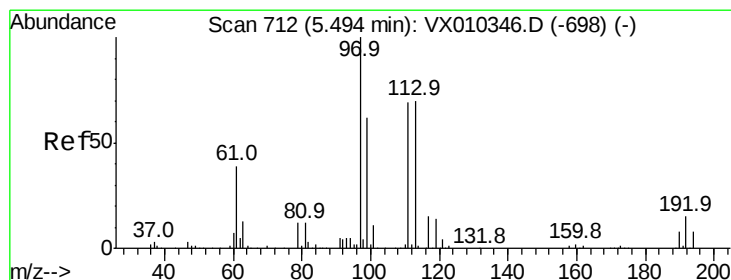
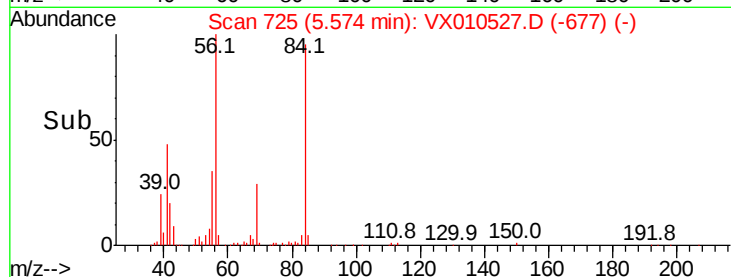
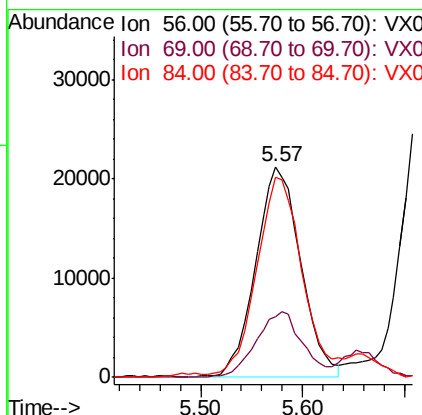
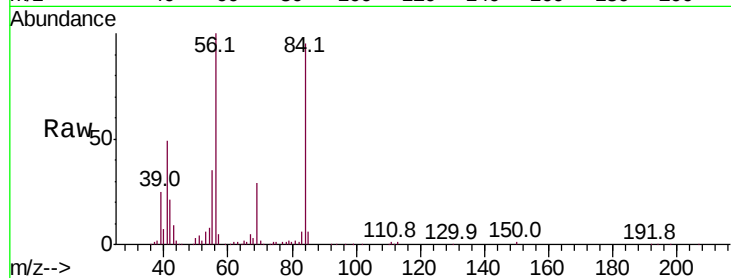
#31
Cvclohexane
Concen: 17.987 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	25.9	38.9
84	93.8	78.0	117.0

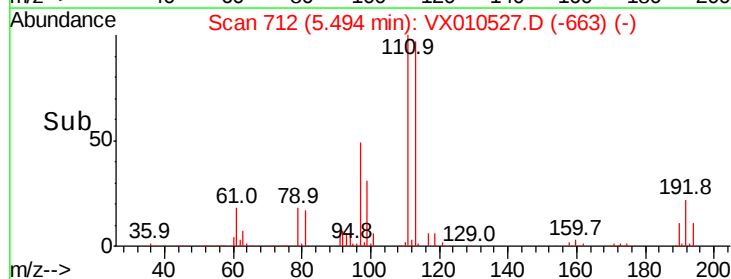
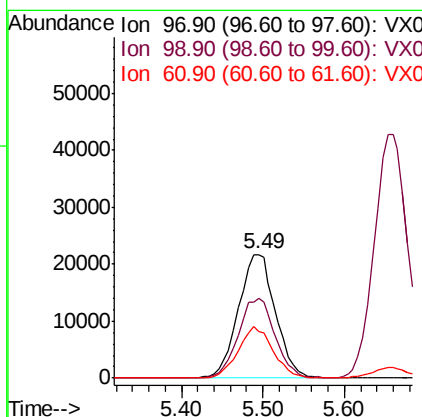
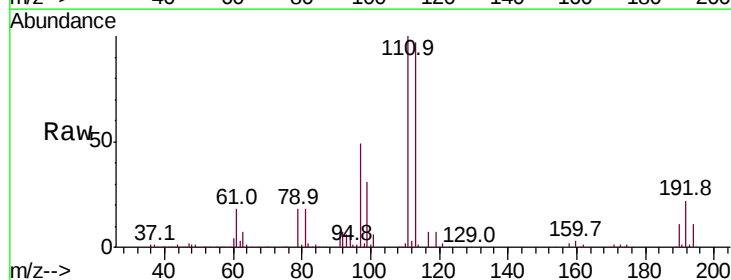
Manual Integrations
APPROVED

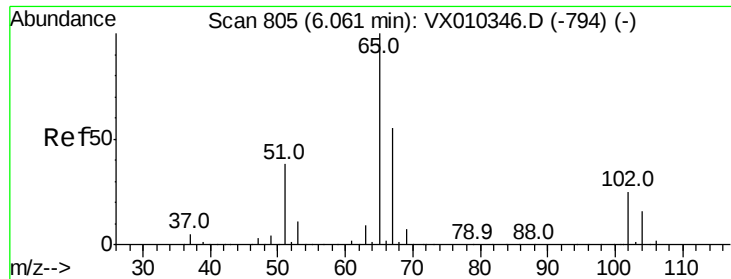
MMDadoda
7/1/2019 11:35:38 AM



#32
1,1,1-Trichloroethane
Concen: 18.076 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	39.7	32.1	48.1





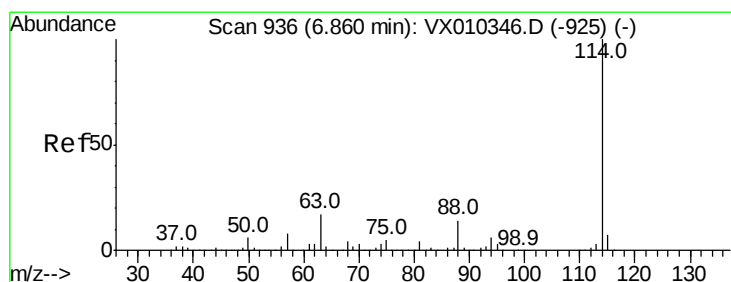
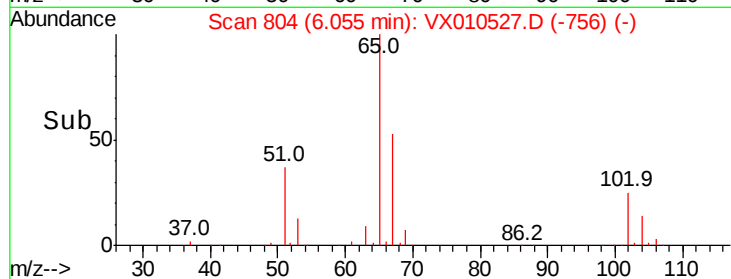
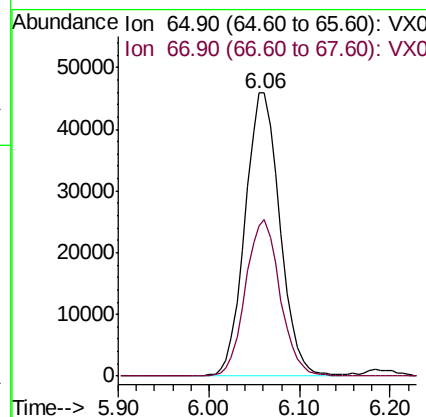
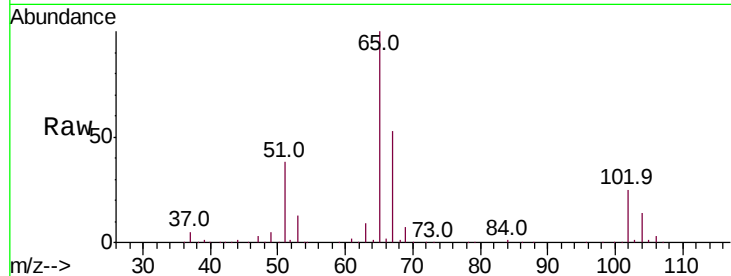
#33
 1,2-Dichloroethane-d4
 Concen: 48.796 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Instrument :
 MSVOA_X
 ClientSampled :
 VX0628WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	122188		
67	54.9	0.0	110.2	

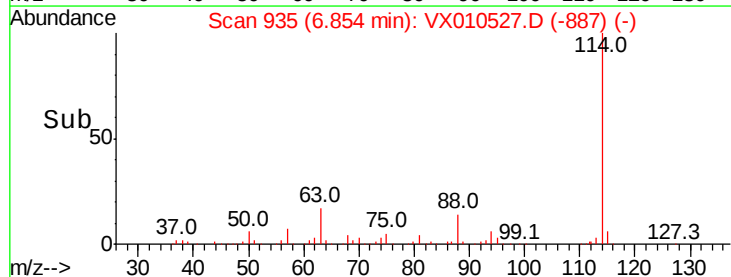
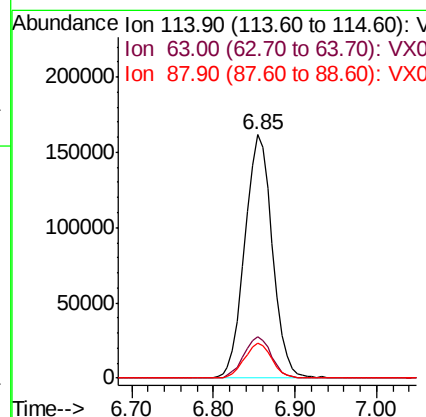
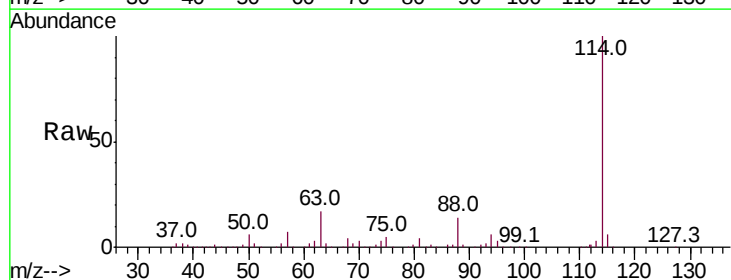
Manual Integrations
 APPROVED

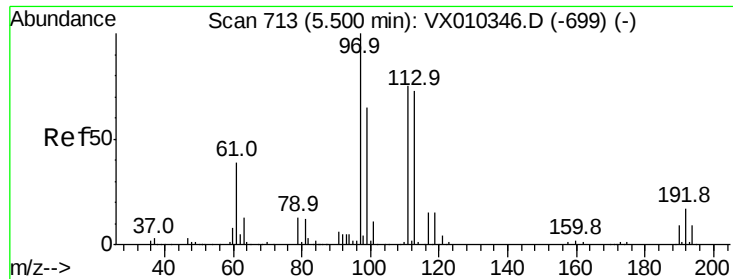
MMDadoda
 7/1/2019 11:35:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	378945		
63	17.0	0.0	33.8	
88	14.4	0.0	27.6	





#35

Dibromofluoromethane

Concen: 51.683 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

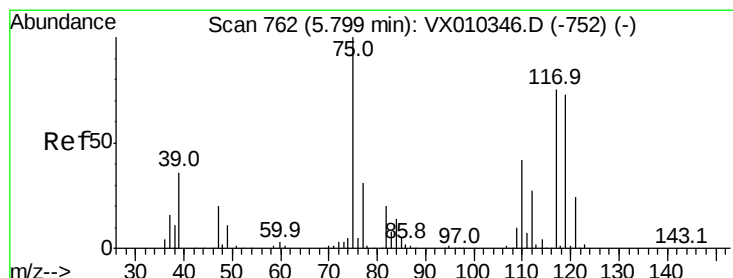
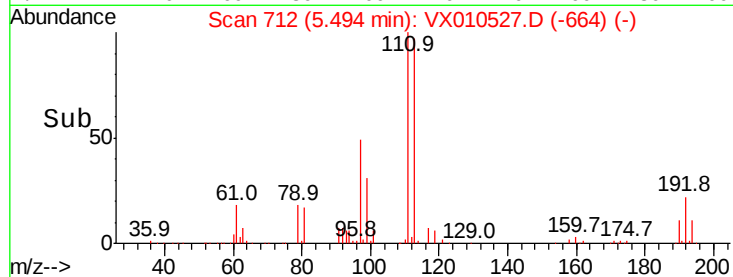
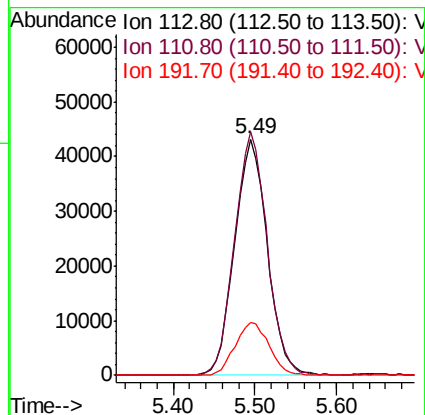
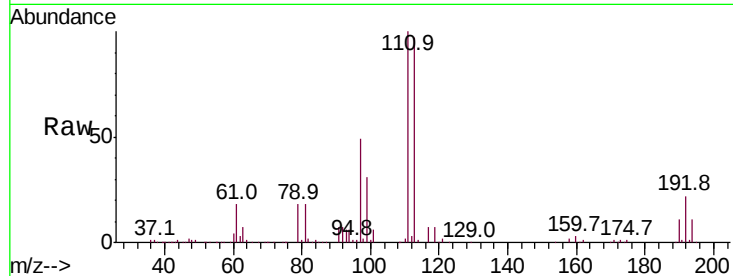
ClientSampleId :

VX0628WBS01

Tot Ion:	113	Resp:	119829
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.2	121.8
192	23.2	18.6	27.8

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



#36

1,1-Dichloropropene

Concen: 18.608 ug/l

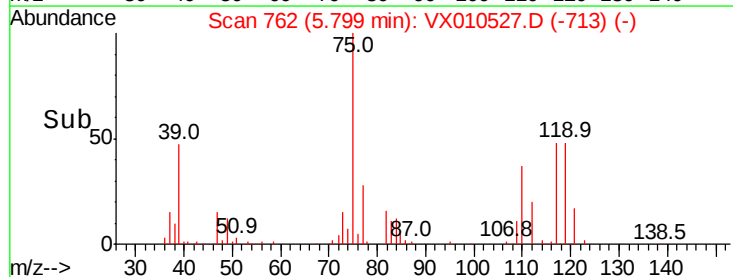
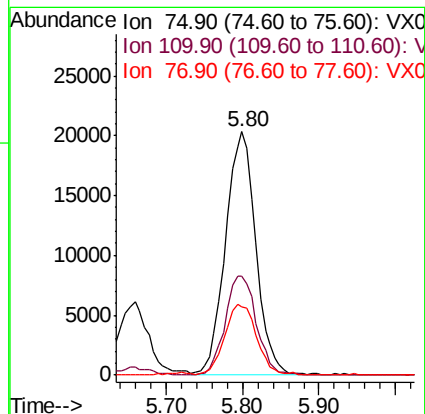
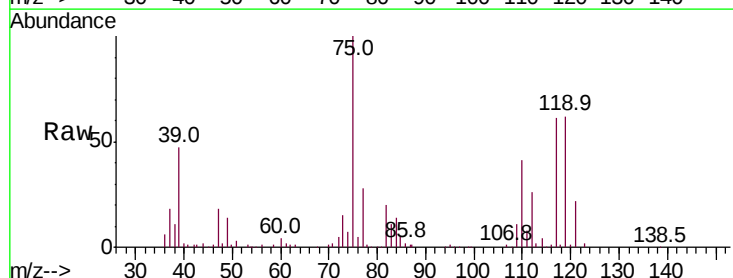
RT: 5.80 min Scan# 762

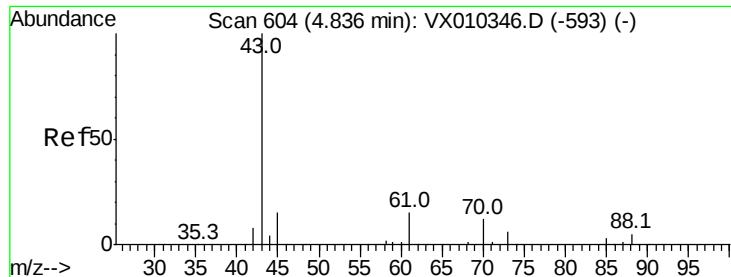
Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Tgt Ion:	75	Resp:	56033
Ion Ratio	Lower	Upper	
75	100		
110	41.7	20.8	62.2
77	30.7	25.4	38.0





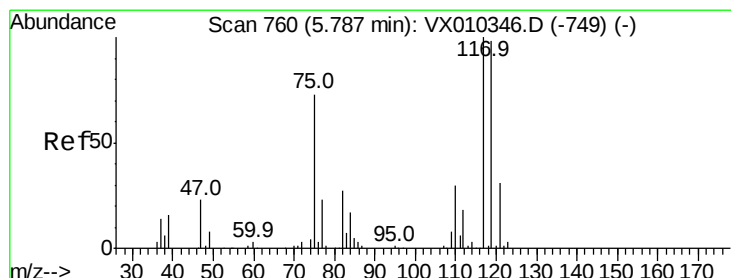
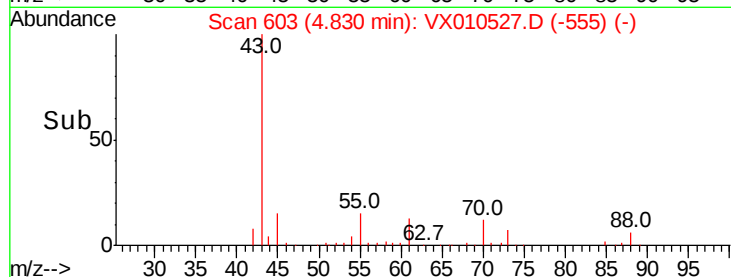
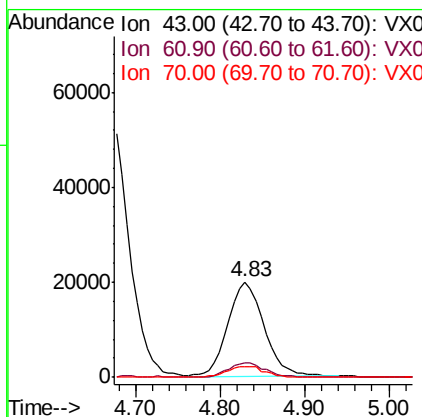
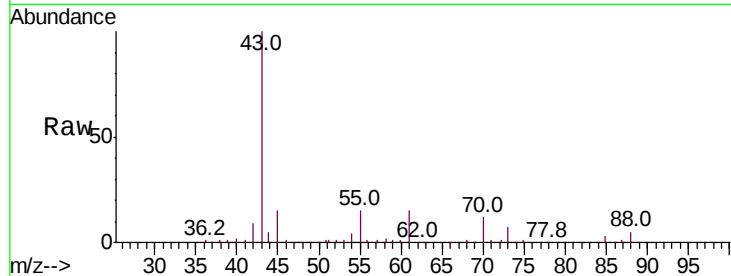
#37
Ethyl Acetate
Concen: 18.792 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion:	43	Resp:	58217
Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.4	18.6
70	12.3	9.8	14.8

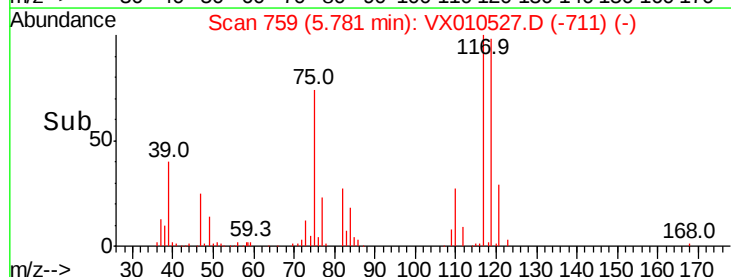
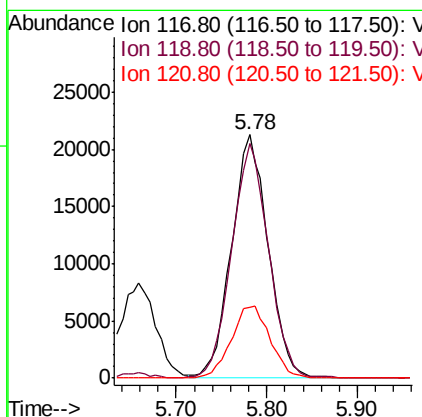
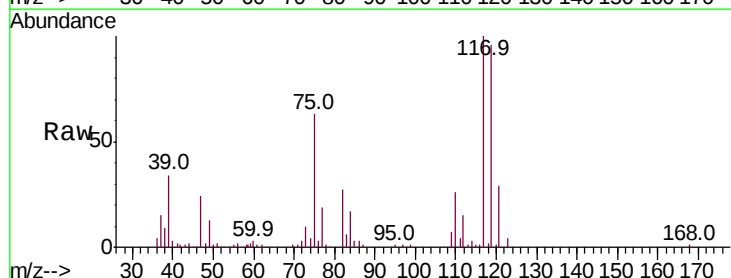
Manual Integrations
APPROVED

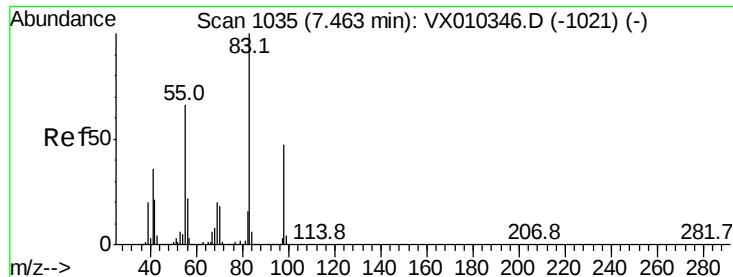
MMDadoda
7/1/2019 11:35:38 AM



#38
Carbon Tetrachloride
Concen: 18.289 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion:	117	Resp:	59638
Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.2	117.4
121	29.2	24.7	37.1





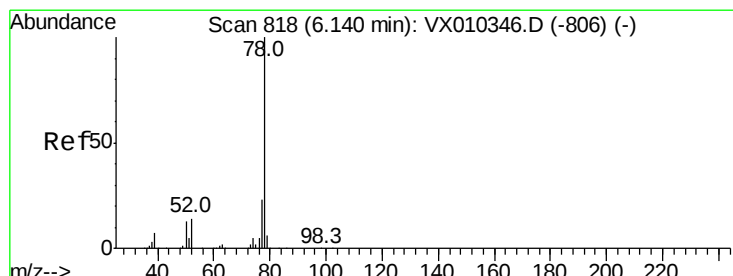
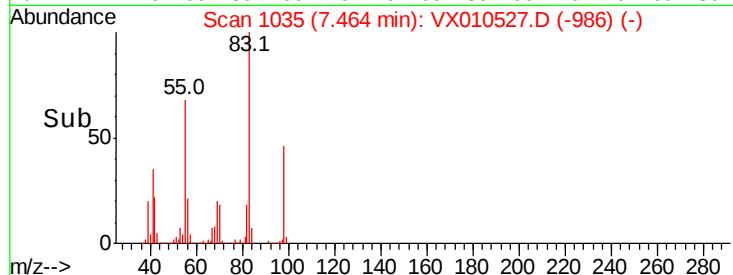
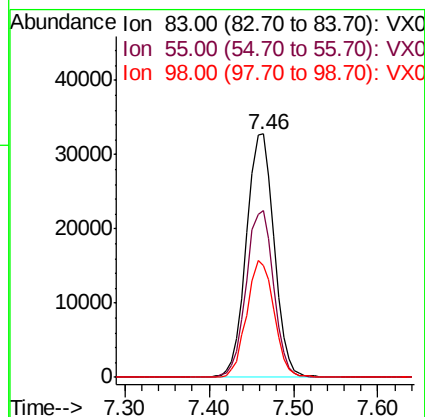
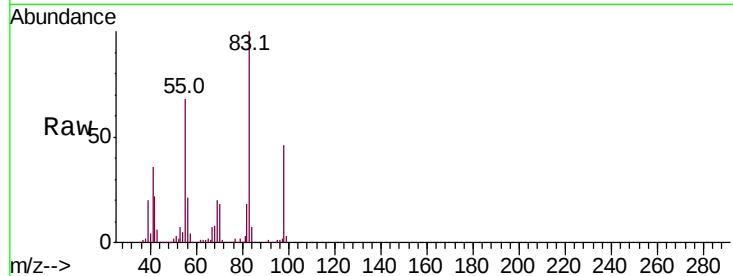
#39
Methvlcvclohexane
Concen: 18.417 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	72898		
55	68.4		53.0	79.6
98	46.2		37.8	56.8

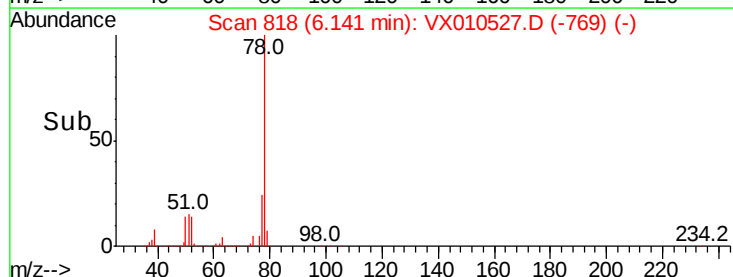
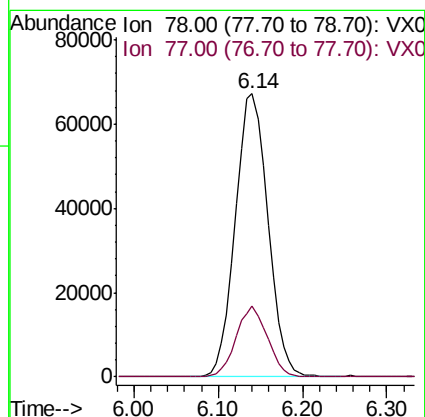
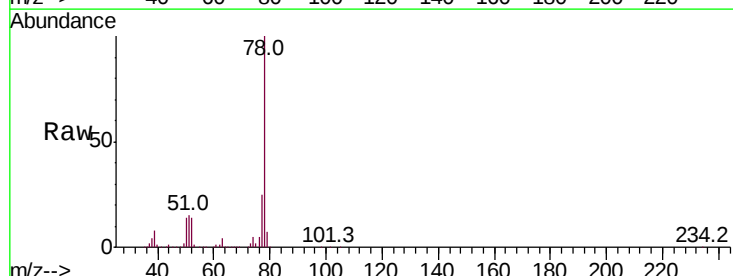
Manual Integrations
APPROVED

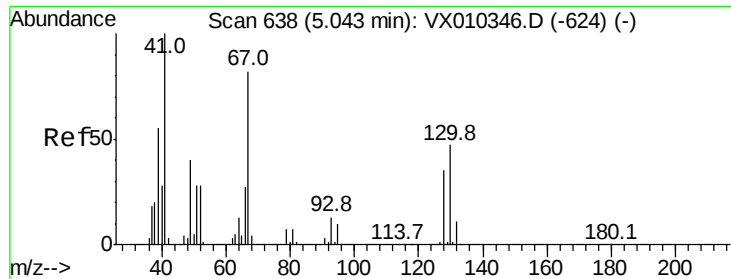
MMDadoda
7/1/2019 11:35:38 AM



#40
Benzene
Concen: 18.828 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	176638		
77	25.0		18.6	28.0





#41

Methacrylonitrile

Concen: 18.572 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0628WBS01

Tot Ion: 41 Resp: 31568

Ion Ratio Lower Upper

41 100

39 53.9 43.8 65.8

67 85.1 66.6 100.0

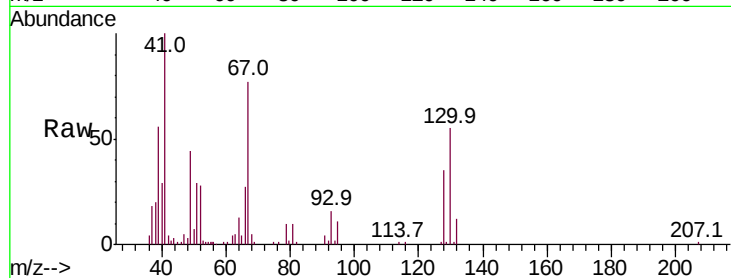
52 32.9 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

7/1/2019 11:35:38 AM



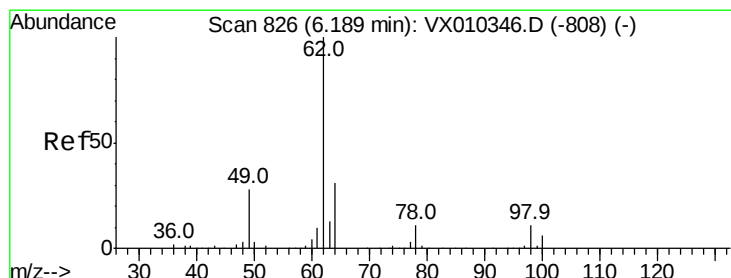
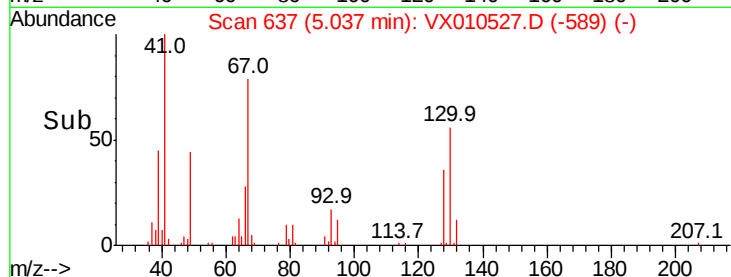
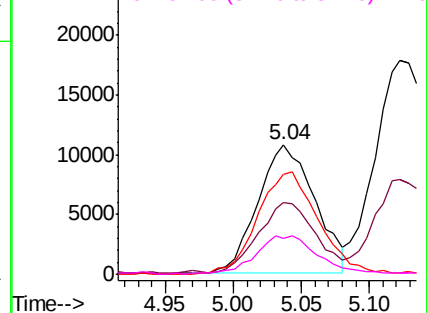
Abundance

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: 19.629 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX010527.D

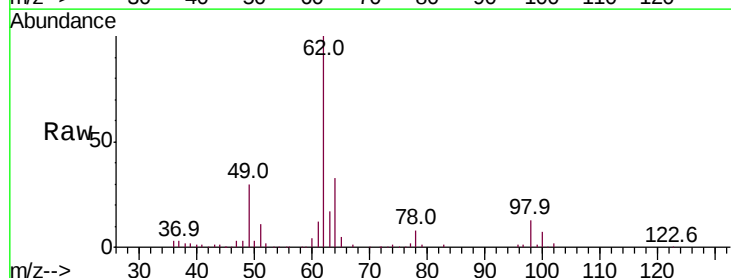
Acq: 28 Jun 2019 11:25

Tgt Ion: 62 Resp: 56055

Ion Ratio Lower Upper

62 100

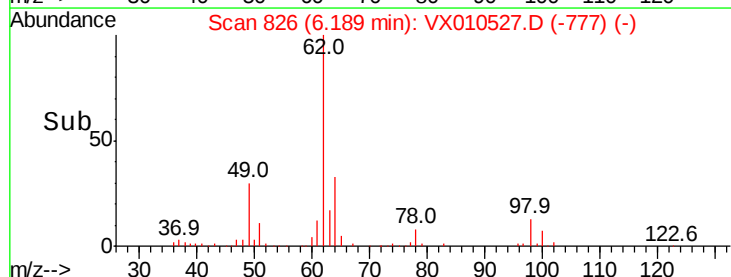
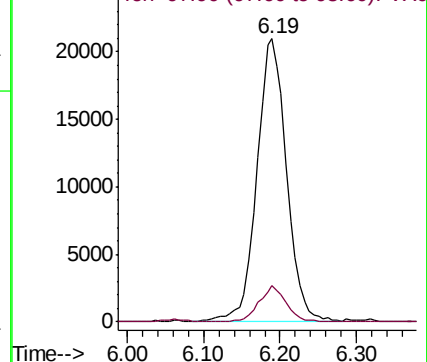
98 11.7 0.0 22.2

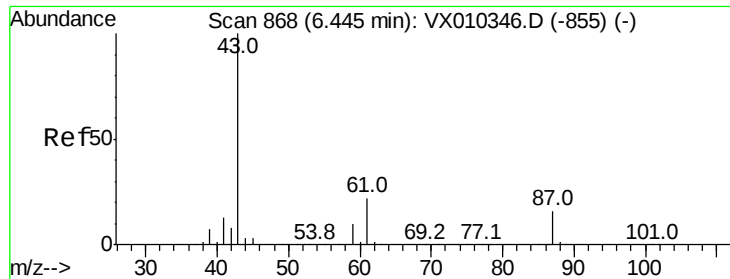


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

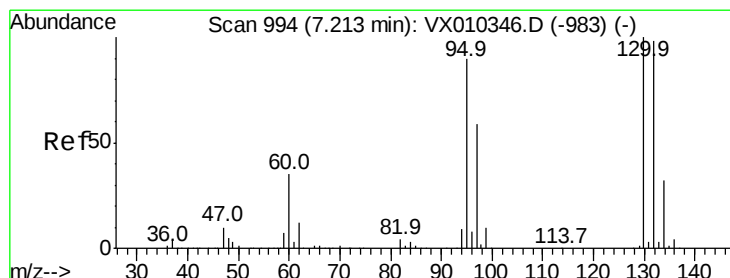
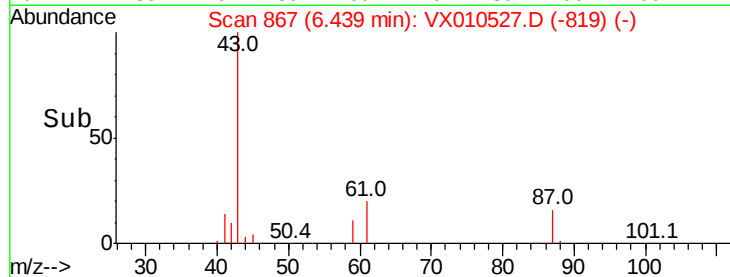
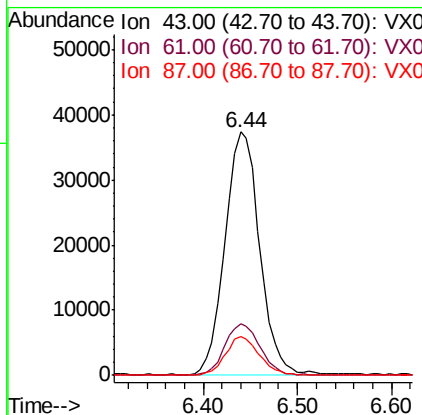
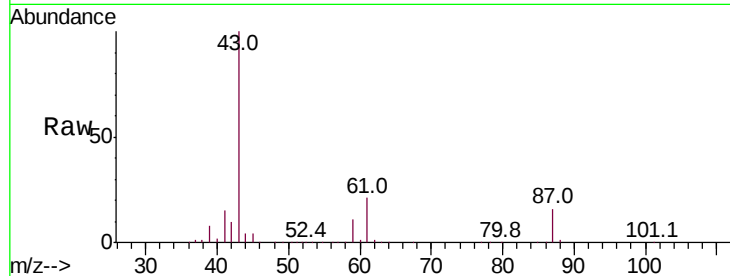
Isopropyl Acetate
 Concen: 18.507 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Instrument :
 MSVOA_X
 ClientSampled :
 VX0628WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.8	26.6
87	15.8	13.0	19.4

Manual Integrations
 APPROVED

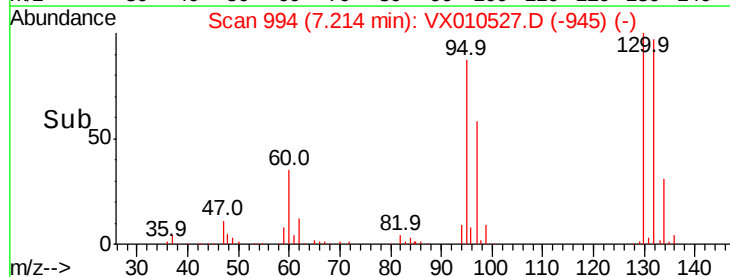
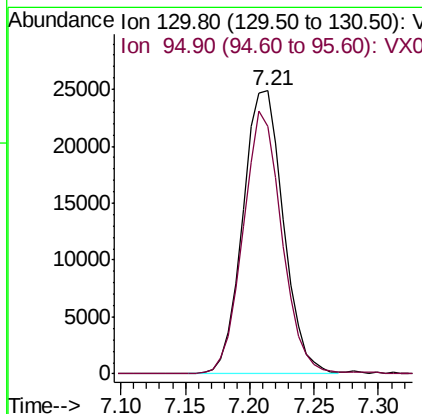
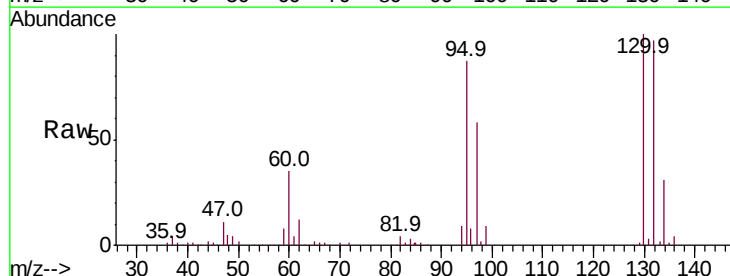
MMDadoda
 7/1/2019 11:35:38 AM

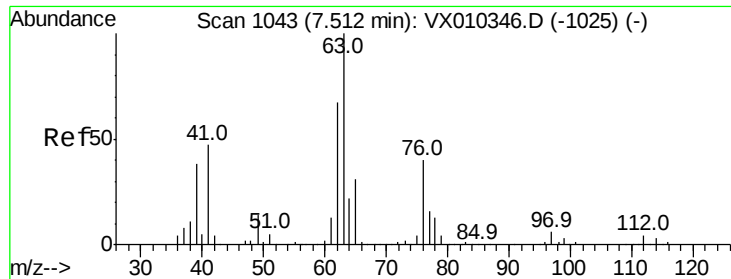


#44

Trichloroethene
 Concen: 19.369 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.5	0.0	180.8





#45

1,2-Dichloropropane

Concen: 18.595 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0628WBS01

Tot Ion: 63 Resp: 44055

Ion Ratio Lower Upper

63 100

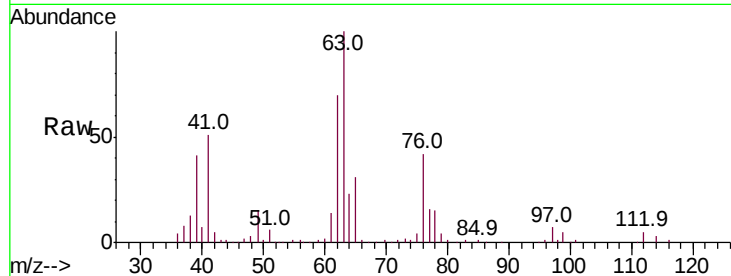
65 31.3 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

7/1/2019 11:35:38 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

25000

20000

15000

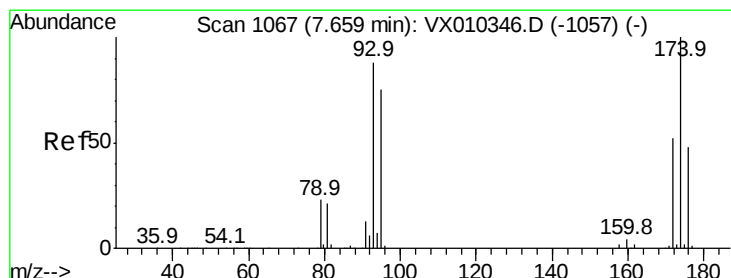
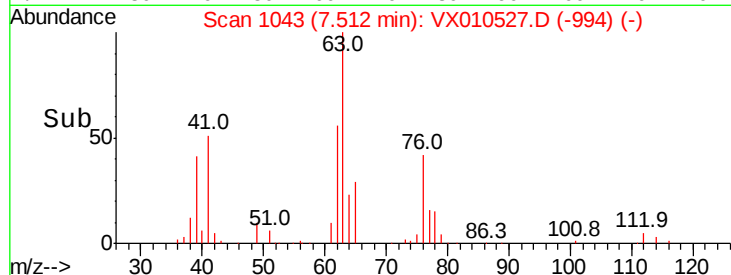
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 18.616 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

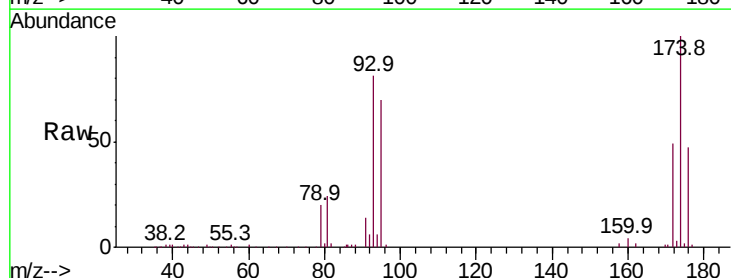
Tgt Ion: 93 Resp: 31643

Ion Ratio Lower Upper

93 100

95 84.8 67.5 101.3

174 123.1 95.8 143.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

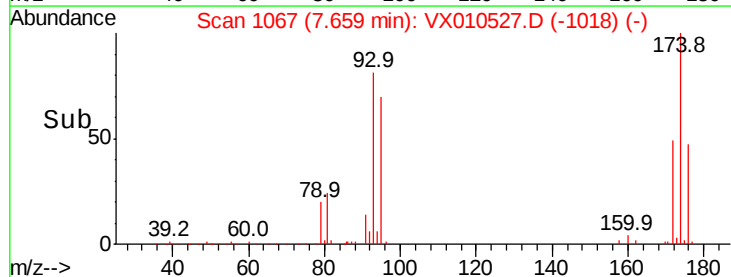
10000

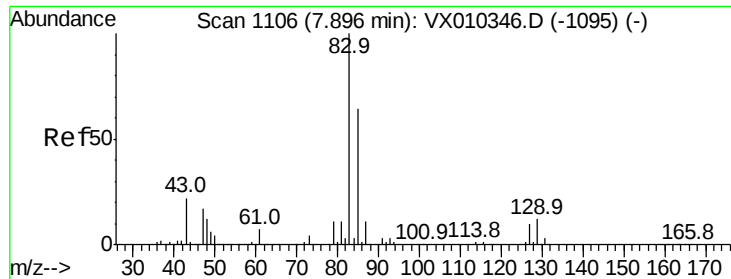
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 18.150 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

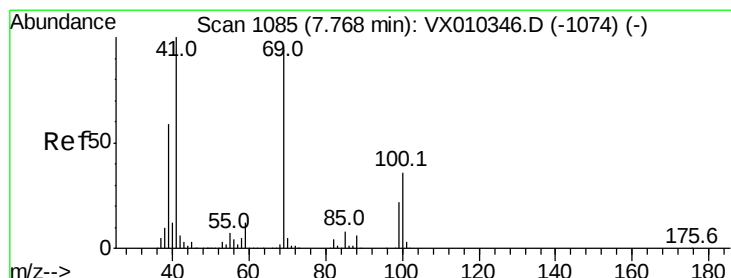
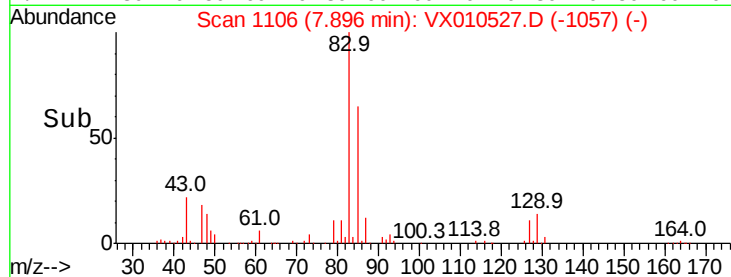
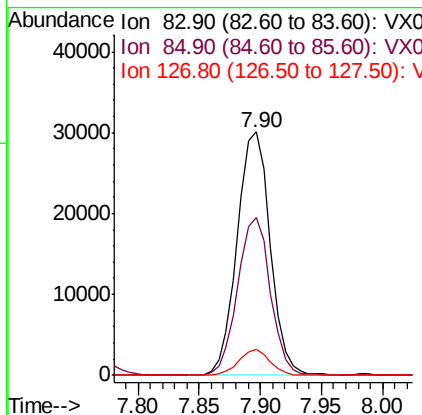
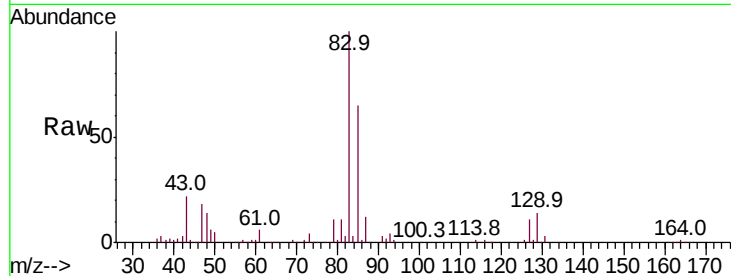
ClientSampleId :

VX0628WBS01

Tot Ion:	83	Resp:	56539
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.5	77.3
127	10.5	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



#48

Methyl methacrylate

Concen: 18.597 ug/l

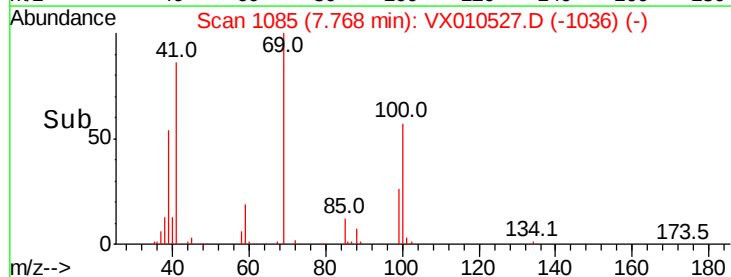
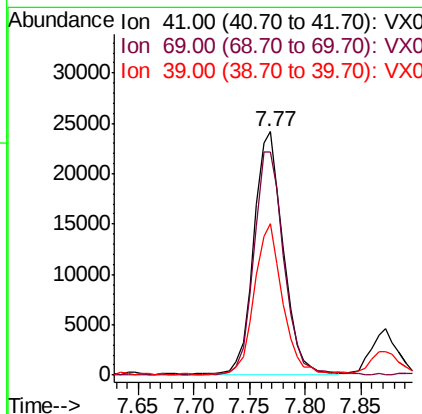
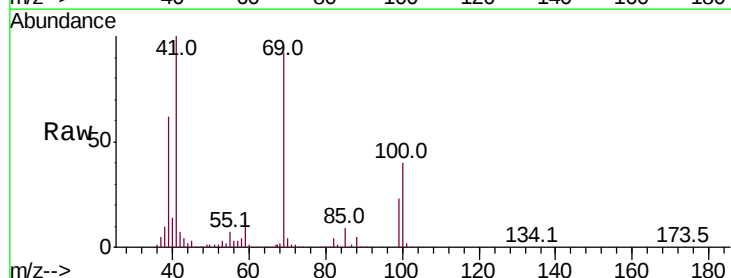
RT: 7.77 min Scan# 1085

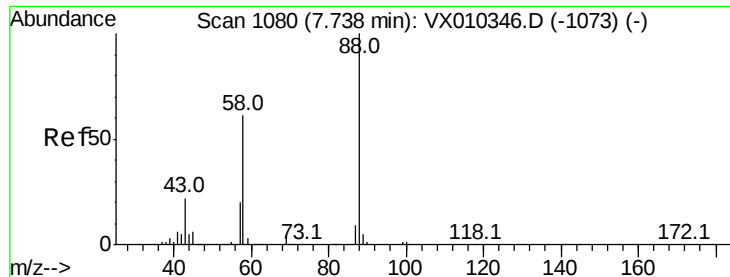
Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Tgt Ion:	41	Resp:	44305
Ion	Ratio	Lower	Upper
41	100		
69	94.9	76.1	114.1
39	59.0	47.6	71.4





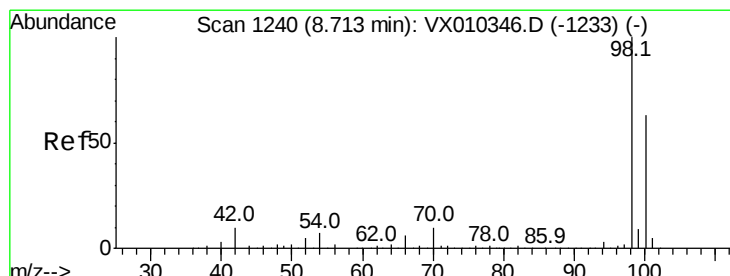
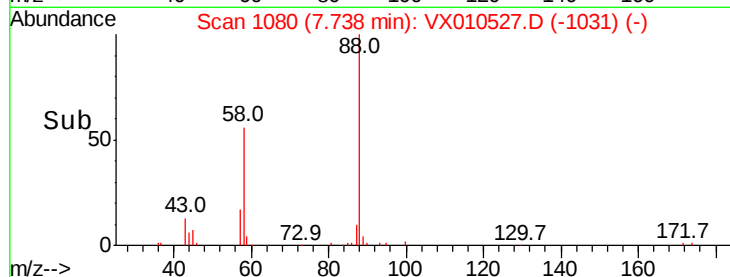
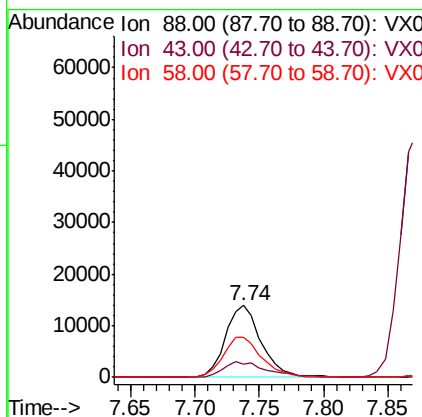
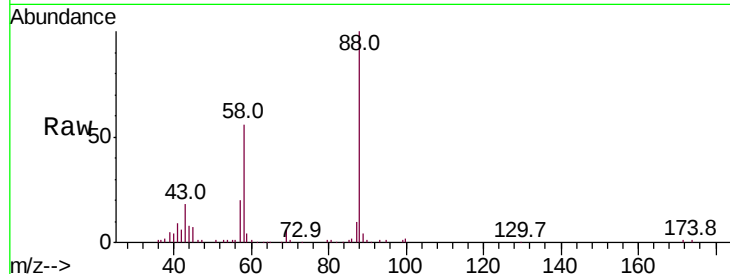
#49
 1,4-Dioxane
 Concen: 394.215 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.6	20.2	30.2
58	60.2	49.5	74.3

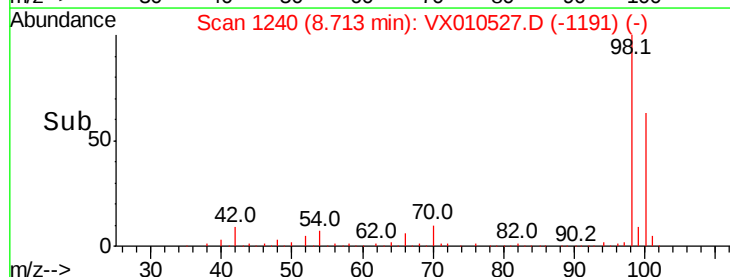
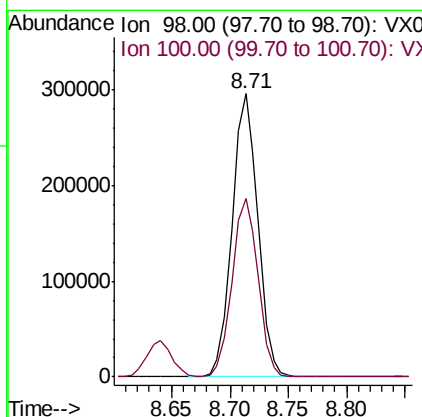
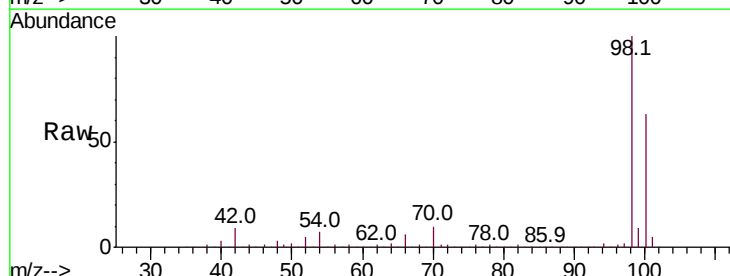
Manual Integrations
 APPROVED

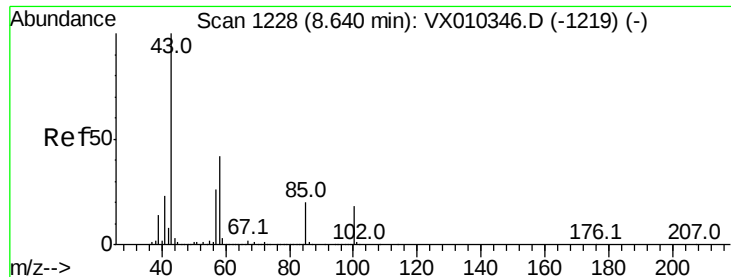
MMDadoda
 7/1/2019 11:35:38 AM



#50
 Toluene-d8
 Concen: 51.144 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4





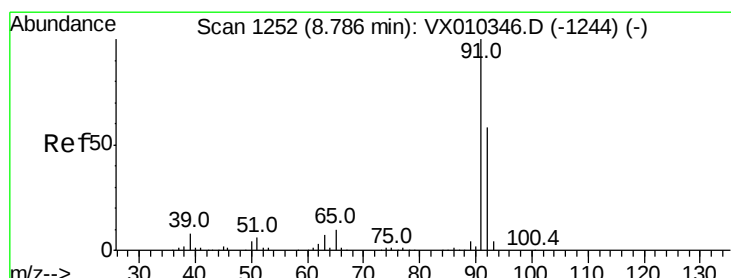
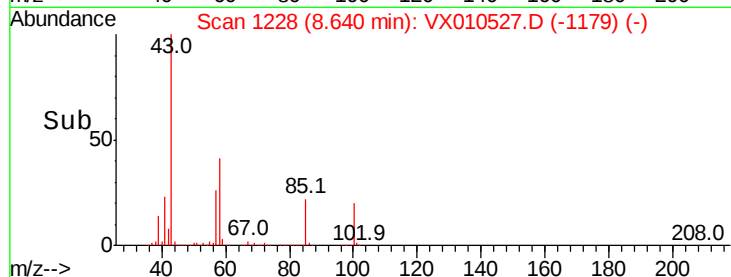
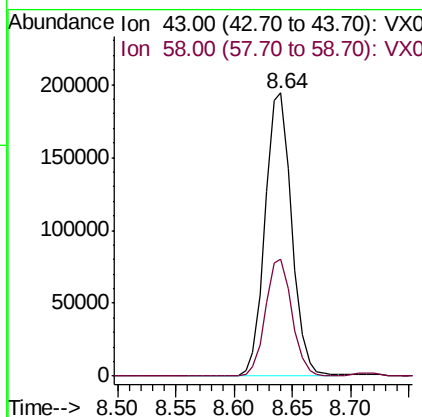
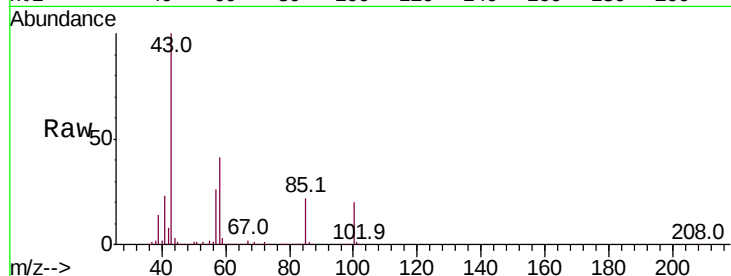
#51
4-Methyl-2-Pentanone
Concen: 94.434 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion	43	58	Ratio	100	41.1	Resp	309559	Lower	33.5	Upper	50.3
Ion	43	58	Ratio	100	41.1	Resp	309559	Lower	33.5	Upper	50.3

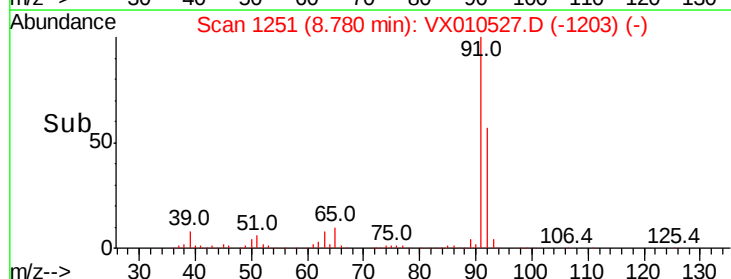
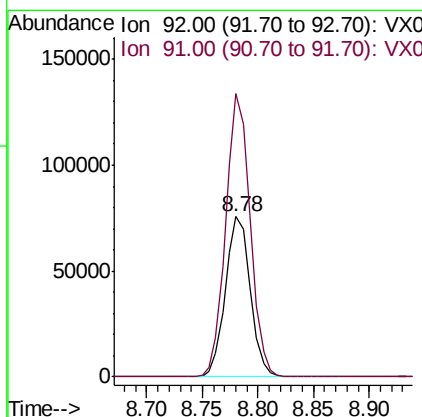
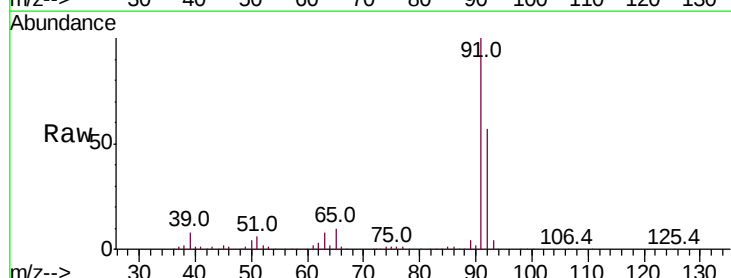
Manual Integrations
APPROVED

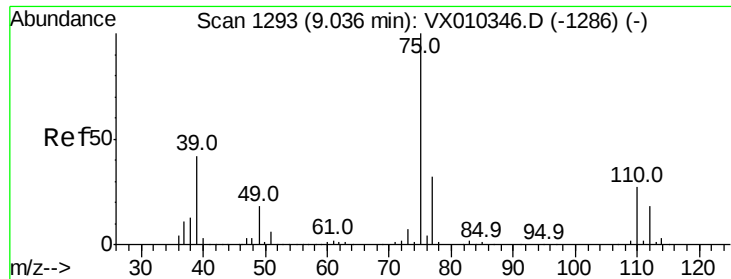
MMDadoda
7/1/2019 11:35:38 AM



#52
Toluene
Concen: 19.003 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion	92	91	Ratio	100	174.0	Resp	117401	Lower	139.8	Upper	209.6
Ion	92	91	Ratio	100	174.0	Resp	117401	Lower	139.8	Upper	209.6





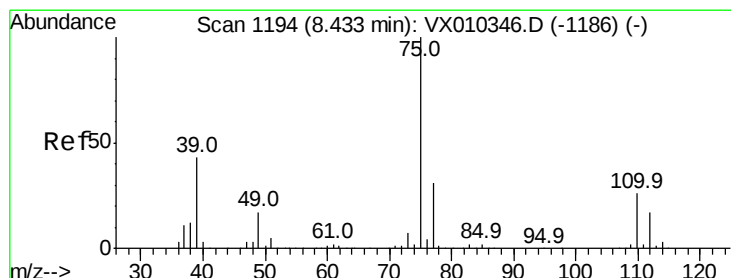
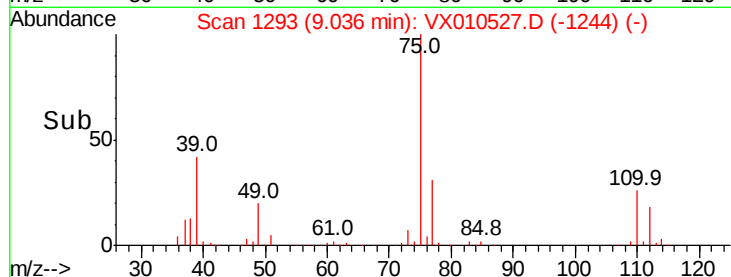
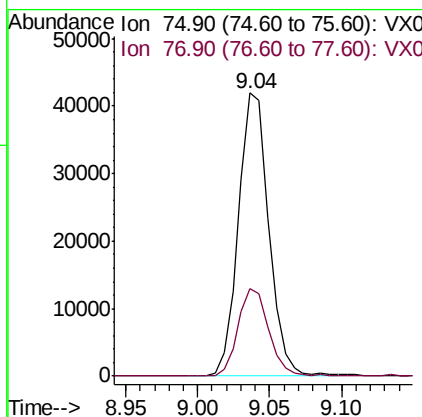
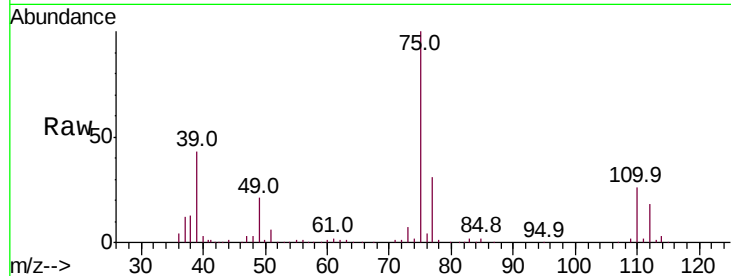
#53
t-1,3-Dichloropropene
Concen: 17.606 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion: 75 Resp: 61489
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

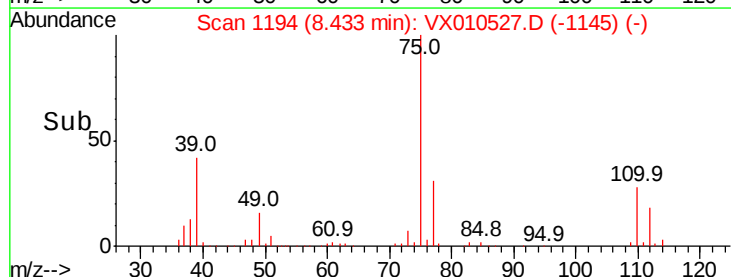
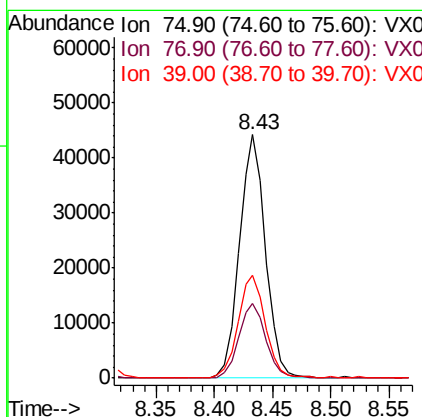
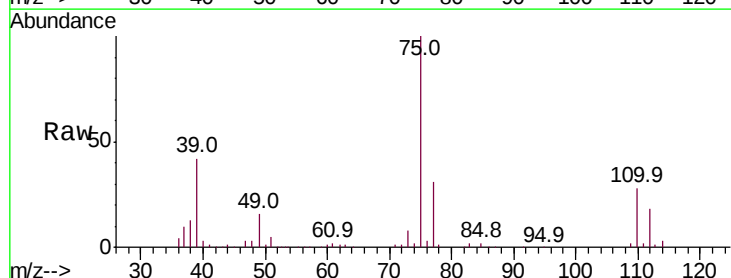
Manual Integrations
APPROVED

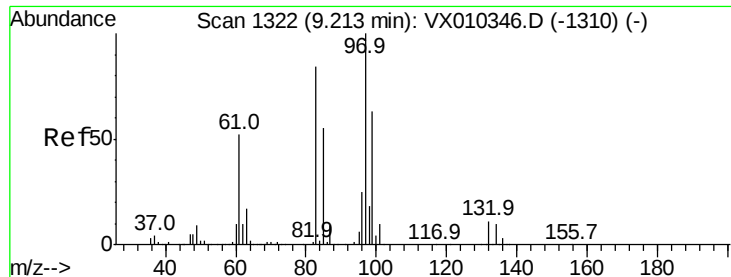
MMDadoda
7/1/2019 11:35:38 AM



#54
cis-1,3-Dichloropropene
Concen: 18.134 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion: 75 Resp: 68825
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8
39 41.8 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 19.246 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0628WBS01

Tot Ion: 97 Resp: 49038

Ion Ratio Lower Upper

97 100

83 89.0 67.4 101.0

85 55.5 43.8 65.8

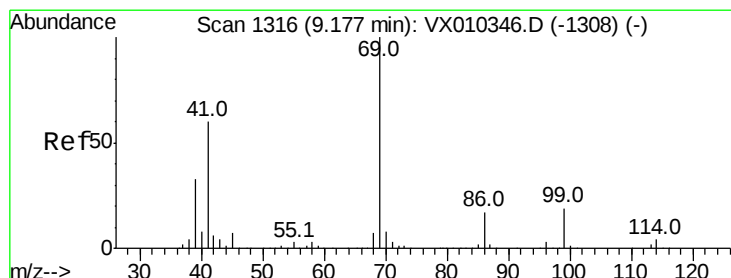
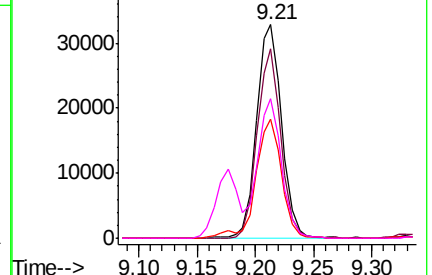
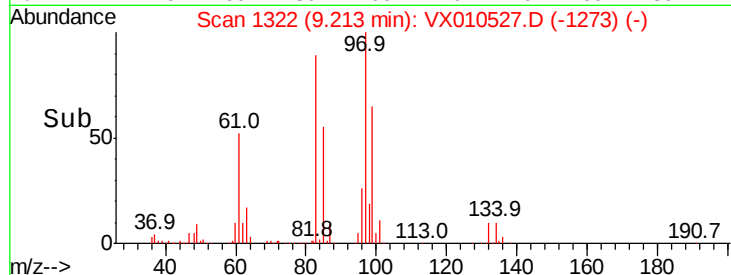
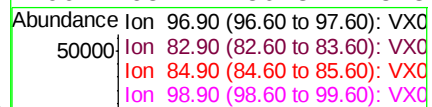
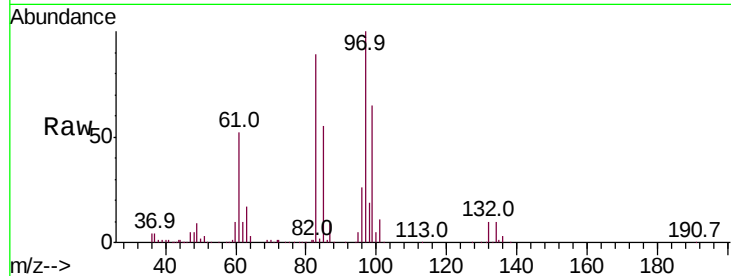
99 65.4 50.3 75.5

Manual Integrations

APPROVED

MMDadoda

7/1/2019 11:35:38 AM



#56

Ethyl methacrylate

Concen: 18.576 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

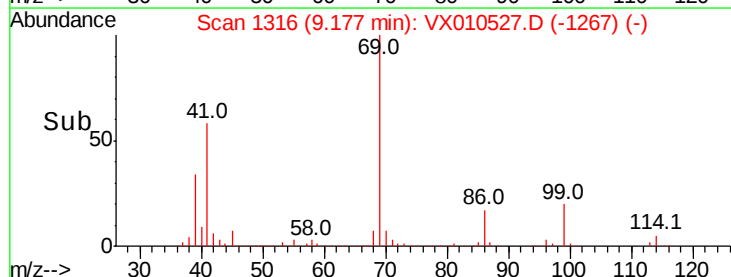
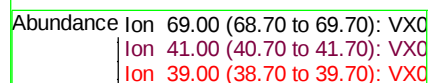
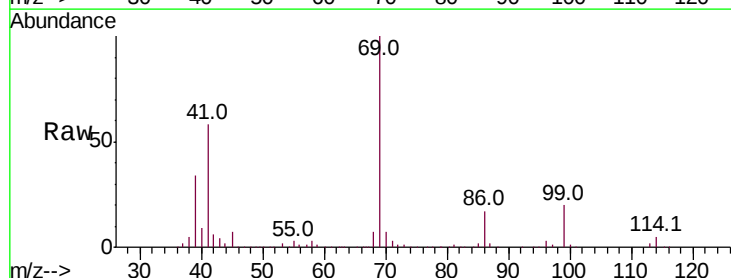
Tgt Ion: 69 Resp: 71702

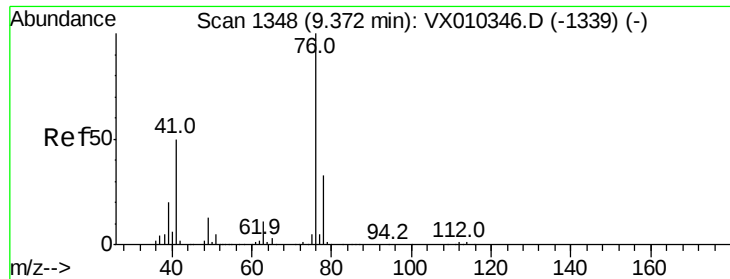
Ion Ratio Lower Upper

69 100

41 58.8 47.1 70.7

39 34.7 26.6 40.0





#57

1,3-Dichloropropane

Concen: 18.899 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0628WBS01

Tot Ion: 76 Resp: 74752

Ion Ratio Lower Upper

76 100

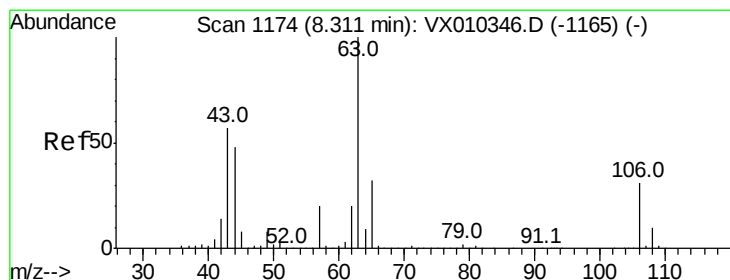
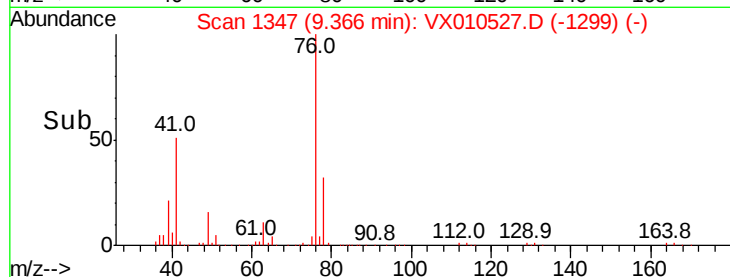
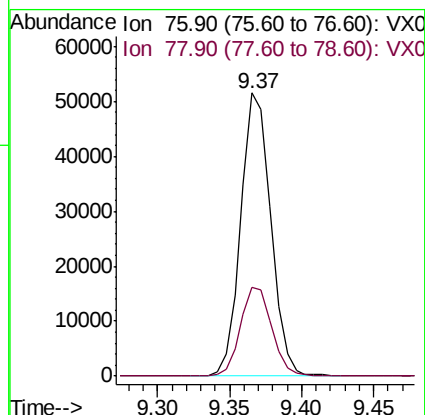
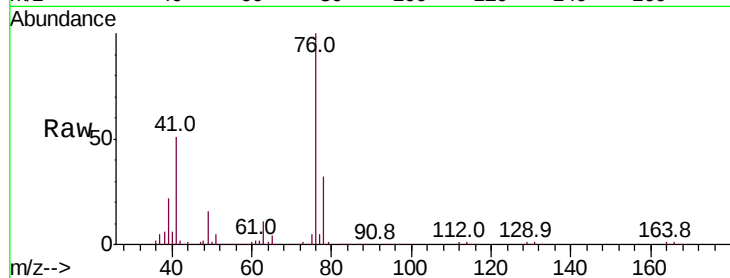
78 32.7 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

7/1/2019 11:35:38 AM



#58

2-Chloroethyl Vinyl ether

Concen: 92.816 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX010527.D

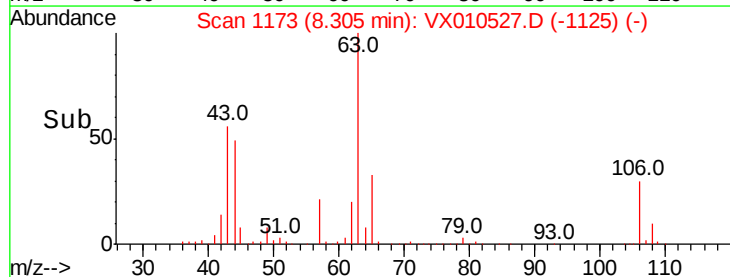
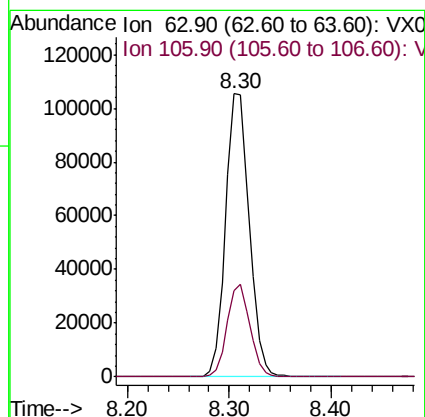
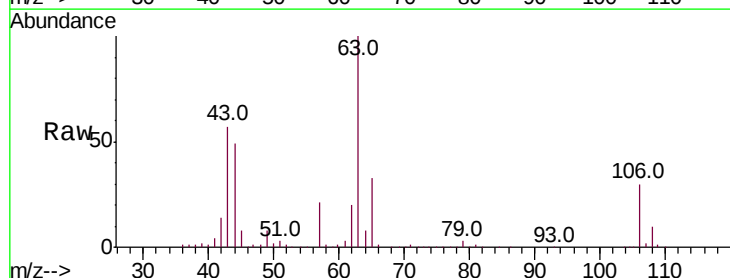
Acq: 28 Jun 2019 11:25

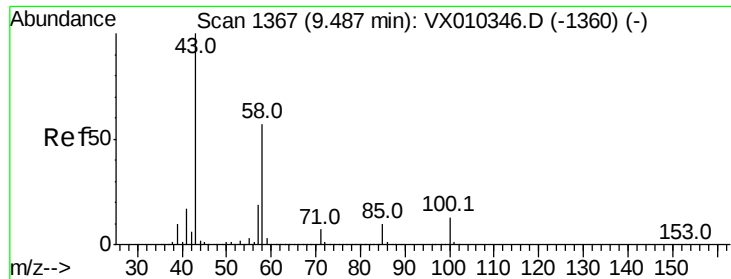
Tgt Ion: 63 Resp: 170147

Ion Ratio Lower Upper

63 100

106 31.5 24.7 37.1





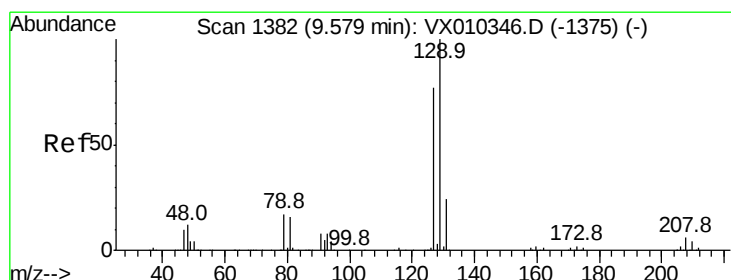
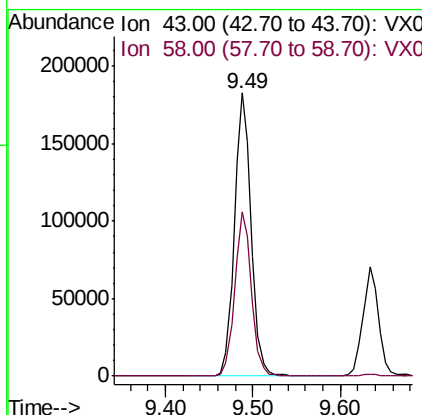
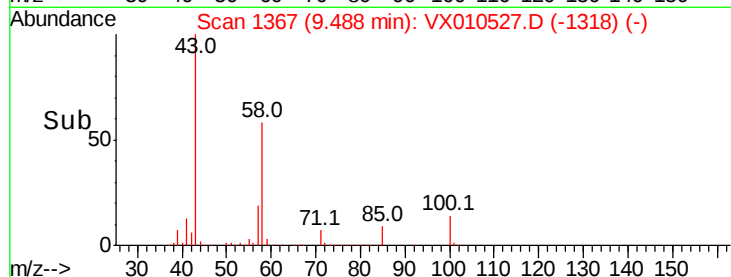
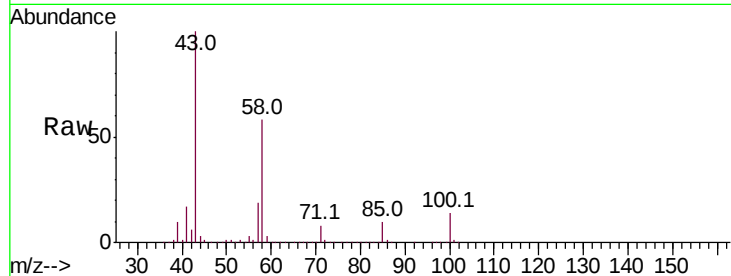
#59
2-Hexanone
Concen: 95.086 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion: 43 Resp: 245314
Ion Ratio Lower Upper
43 100
58 57.8 29.0 87.1

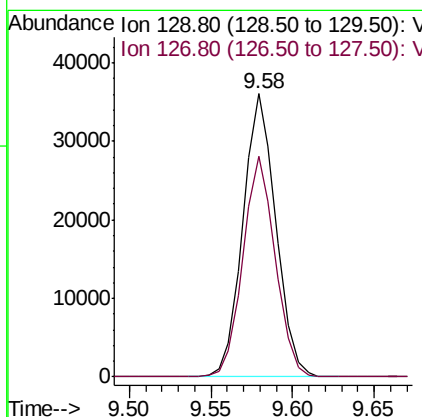
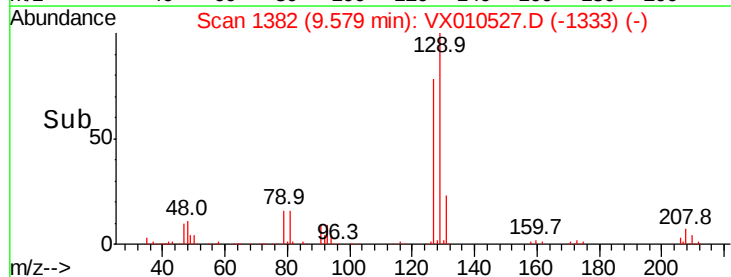
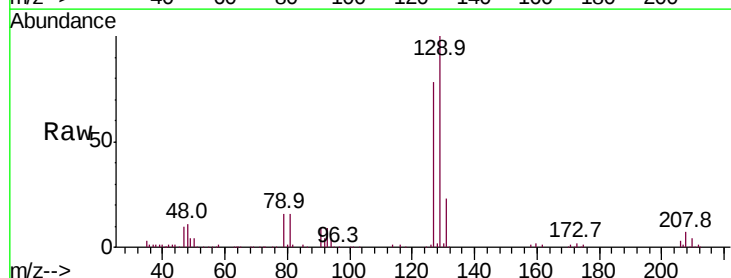
Manual Integrations
APPROVED

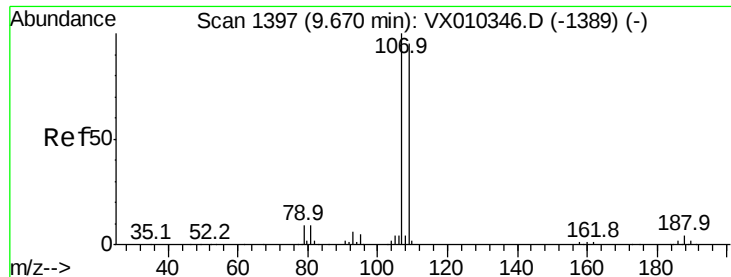
MMDadoda
7/1/2019 11:35:38 AM



#60
Dibromochloromethane
Concen: 17.756 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion: 129 Resp: 50656
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.1





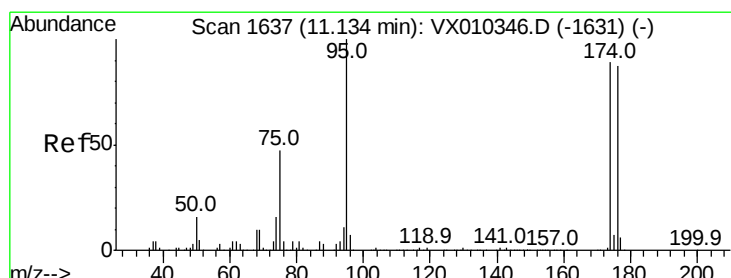
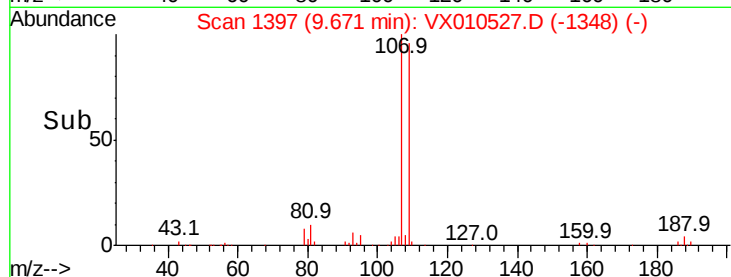
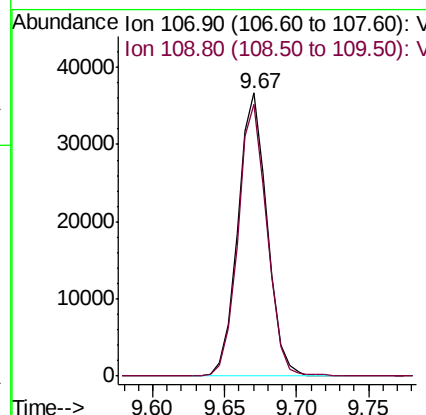
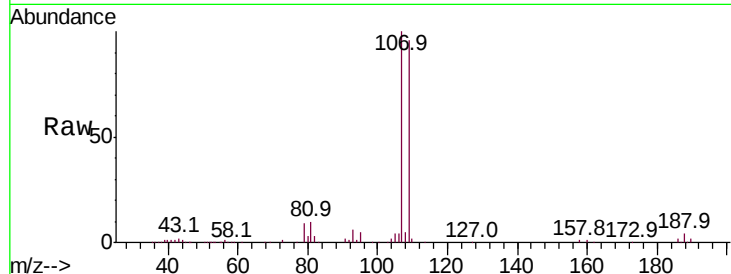
#61
 1,2-Dibromoethane
 Concen: 18.787 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.8	113.6

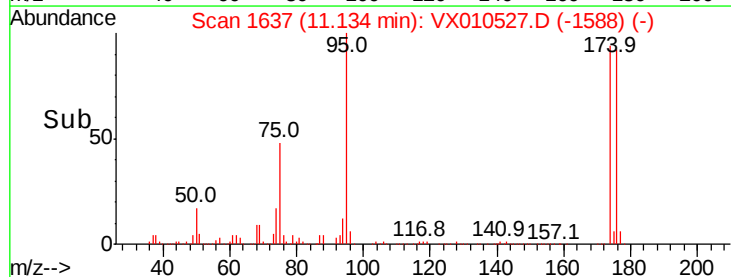
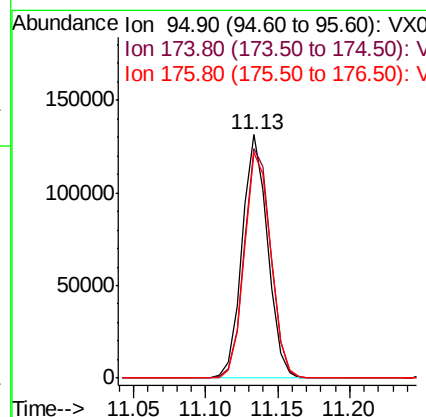
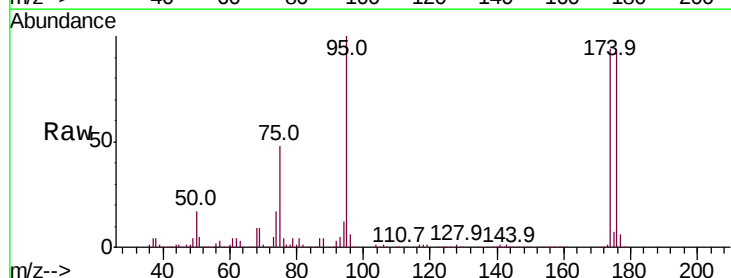
Manual Integrations
 APPROVED

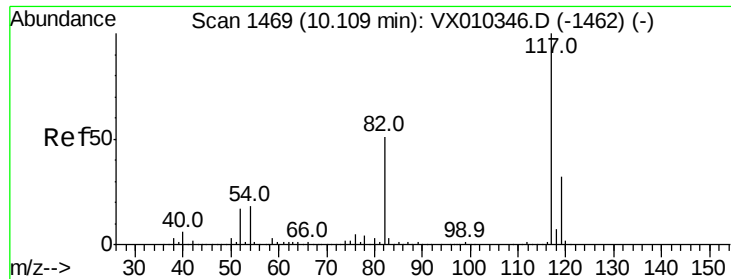
MMDadoda
 7/1/2019 11:35:38 AM



#62
 4-Bromofluorobenzene
 Concen: 50.529 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.7	0.0	187.6
176	95.5	0.0	184.0





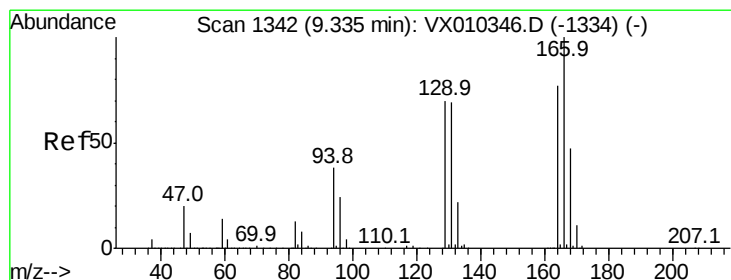
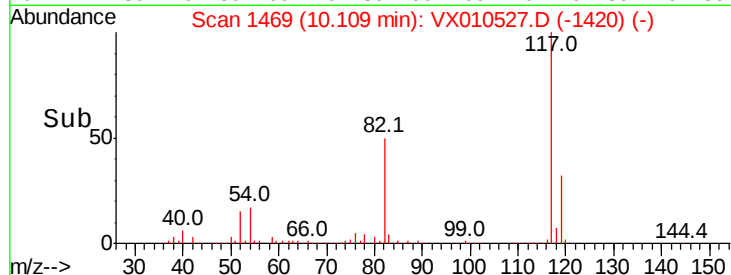
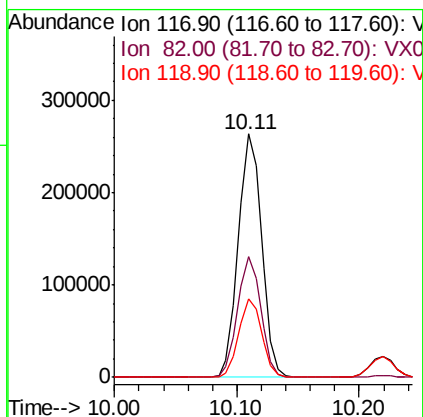
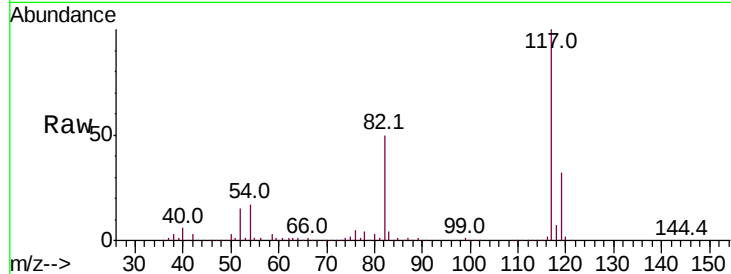
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	348401		
82	49.7		41.2	61.8
119	32.3		25.5	38.3

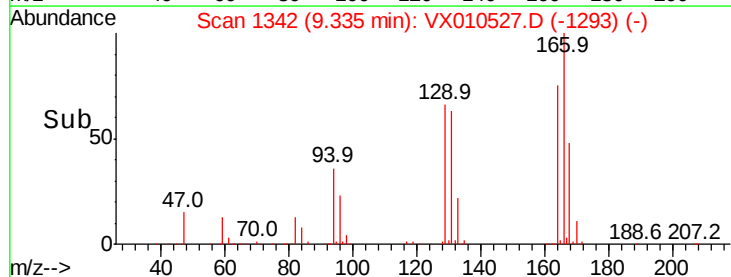
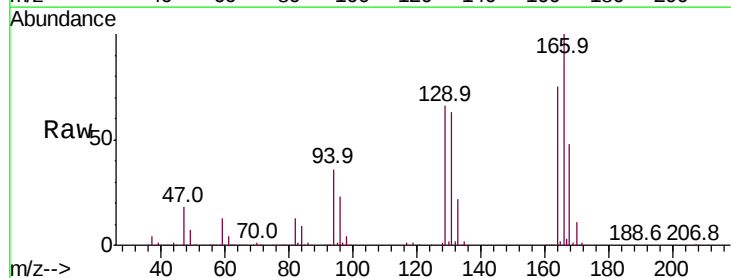
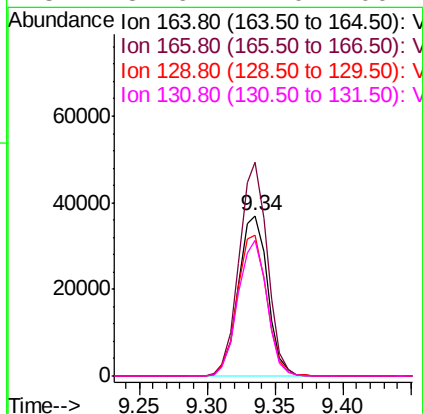
Manual Integrations
APPROVED

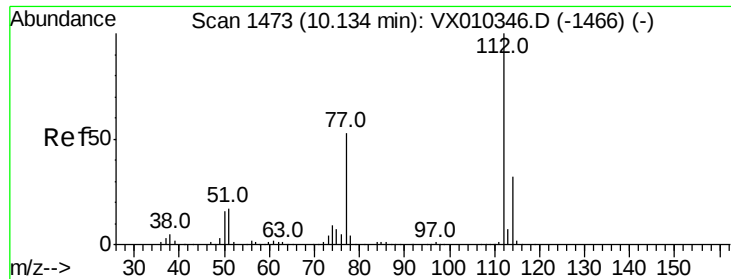
MMDadoda
7/1/2019 11:35:38 AM



#64
Tetrachloroethene
Concen: 19.659 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55397		
166	133.2		103.6	155.4
129	87.7		73.0	109.4
131	84.6		71.0	106.4





#65

Chlorobenzene

Concen: 18.937 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0628WBS01

Tot Ion:112 Resp: 133943

Ion Ratio Lower Upper

112 100

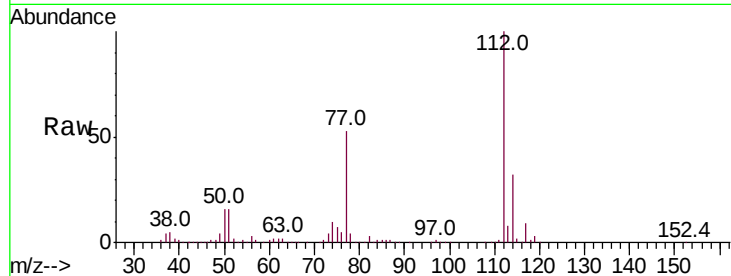
114 31.9 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

7/1/2019 11:35:38 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

100000

80000

60000

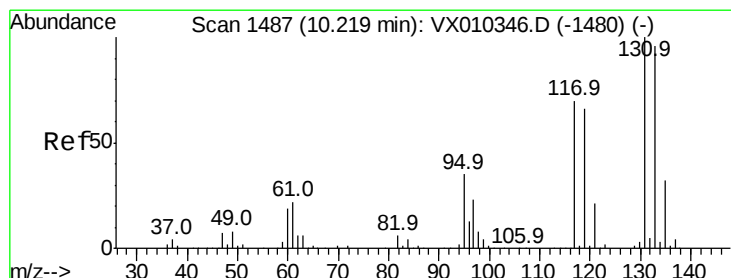
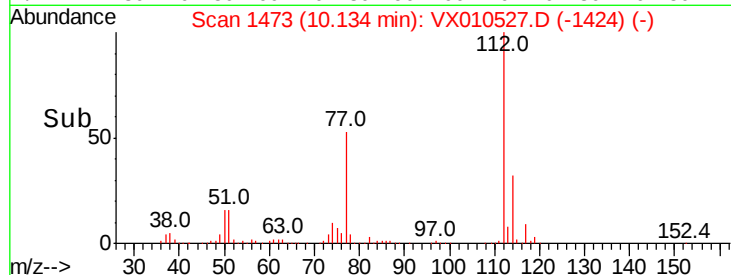
40000

20000

0

Time-->

10.10 10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 18.672 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

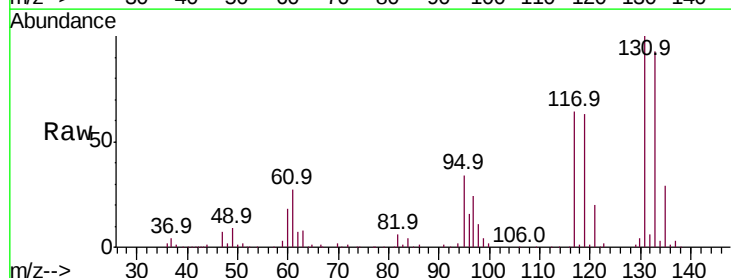
Tgt Ion:131 Resp: 48108

Ion Ratio Lower Upper

131 100

133 95.2 47.7 143.1

119 65.1 32.6 97.7



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

50000

40000

30000

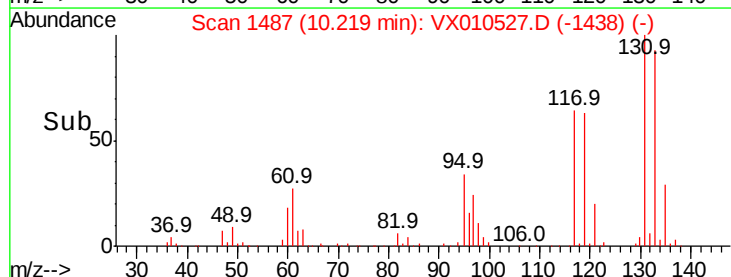
20000

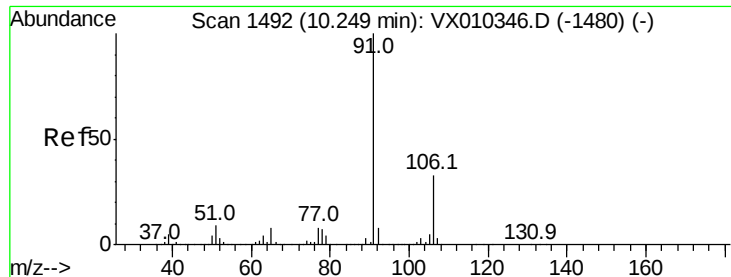
10000

0

Time-->

10.15 10.20 10.25





#67

Ethyl Benzene

Concen: 18.950 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0628WBS01

Tot Ion: 91 Resp: 226290

Ion Ratio Lower Upper

91 100

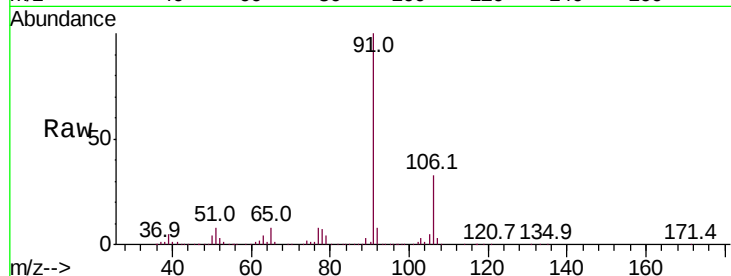
106 33.1 26.2 39.2

Manual Integrations

APPROVED

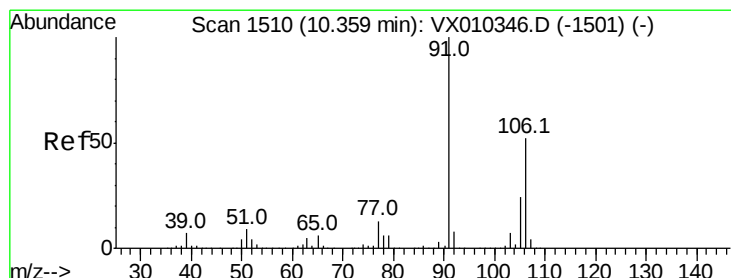
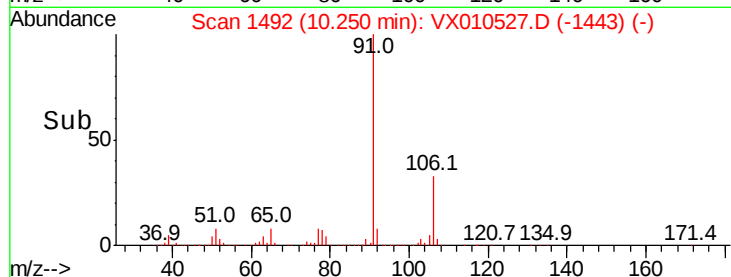
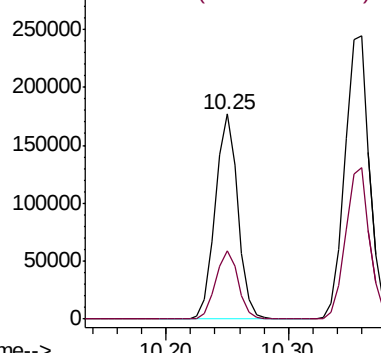
MMDadoda

7/1/2019 11:35:38 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.729 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010527.D

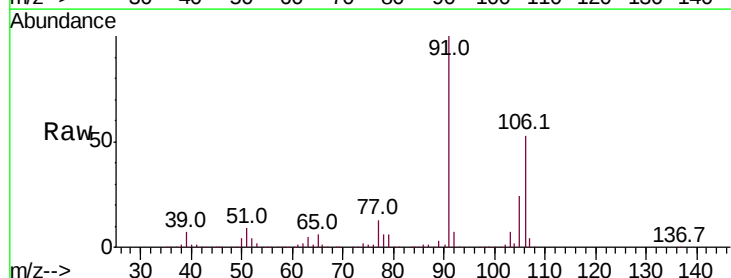
Acq: 28 Jun 2019 11:25

Tgt Ion: 106 Resp: 179197

Ion Ratio Lower Upper

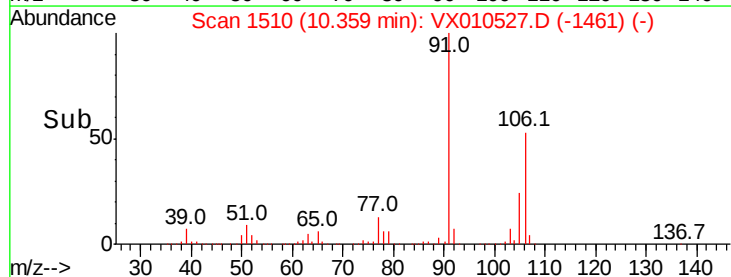
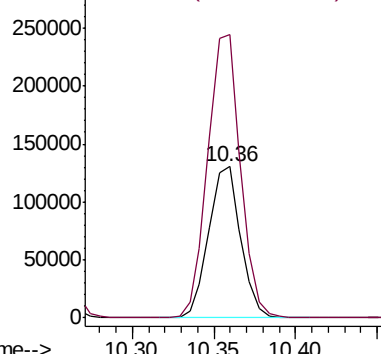
106 100

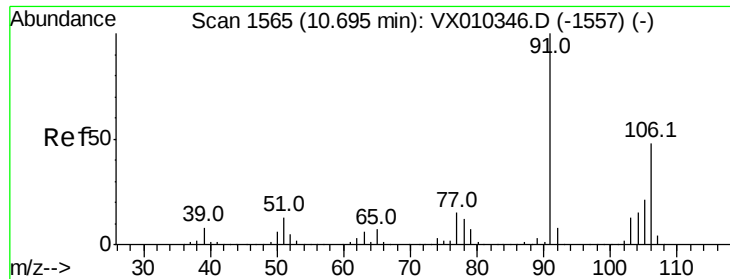
91 190.9 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





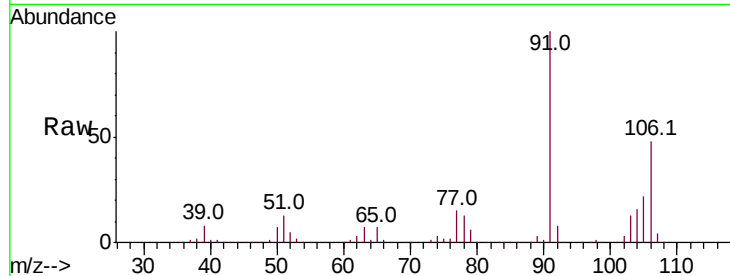
#69
o-Xylene
Concen: 19.047 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

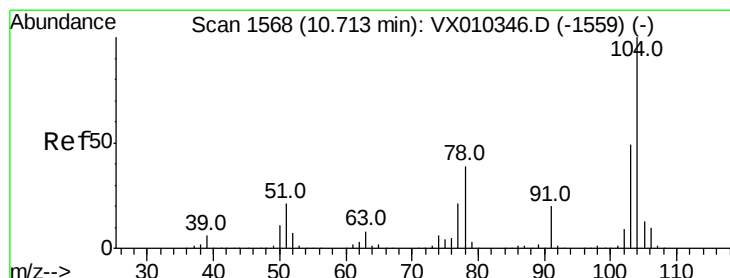
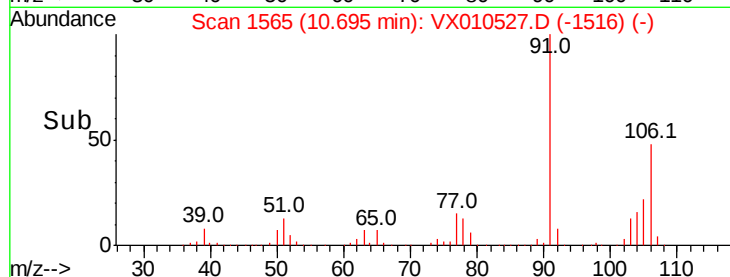
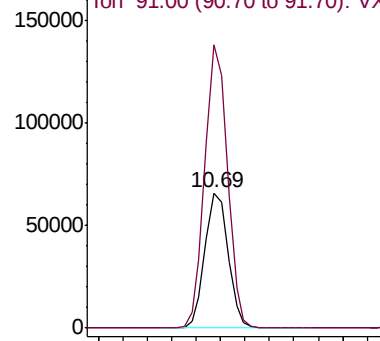
Tot Ion:106 Resp: 86666
Ion Ratio Lower Upper
106 100
91 204.9 102.7 308.1

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM

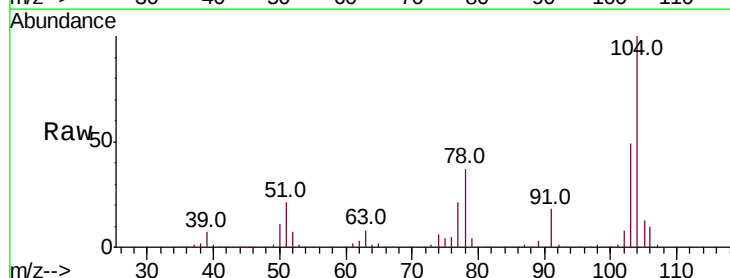


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

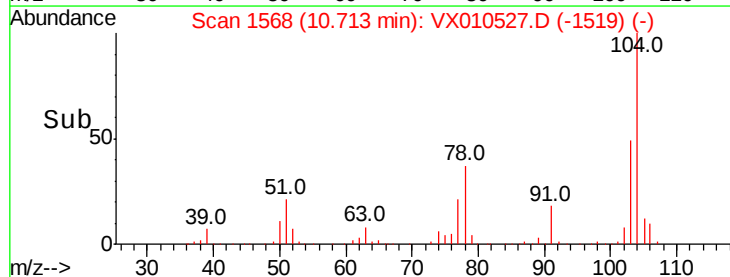
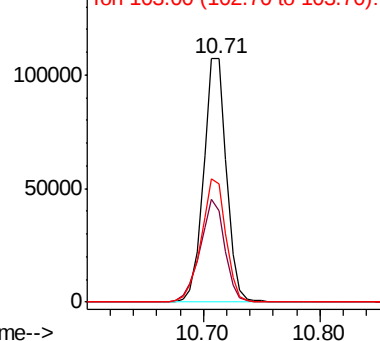


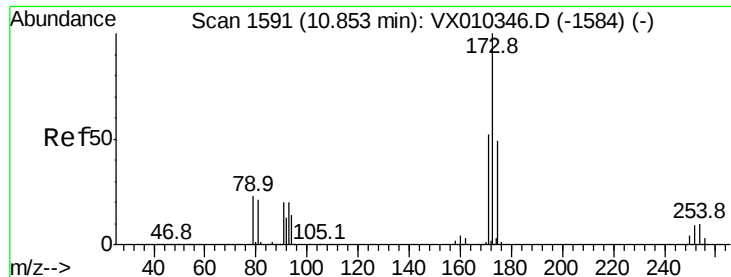
#70
Styrene
Concen: 19.196 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion:104 Resp: 146476
Ion Ratio Lower Upper
104 100
78 45.1 36.2 54.2
103 54.3 44.2 66.4



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: 17.203 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS01

Tot Ion:173 Resp: 38544

Ion Ratio Lower Upper

173 100

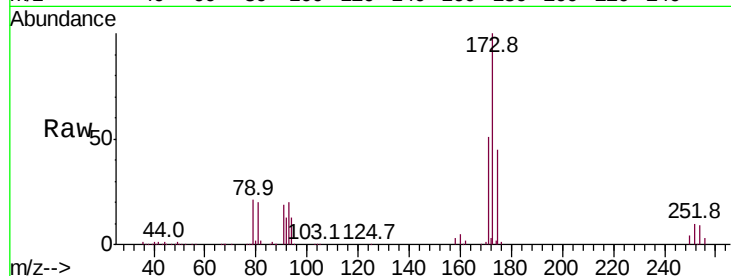
175 48.3 24.1 72.3

254 0.0 0.2 0.2#

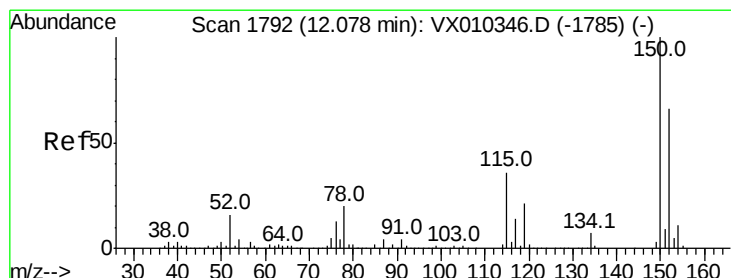
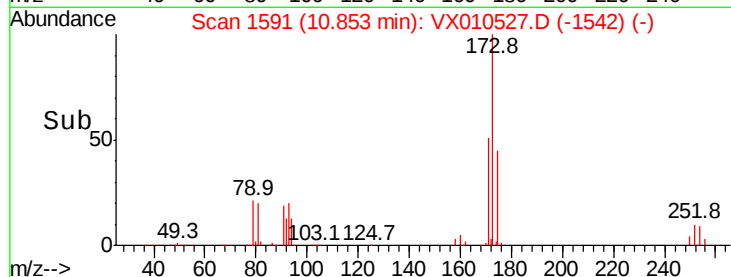
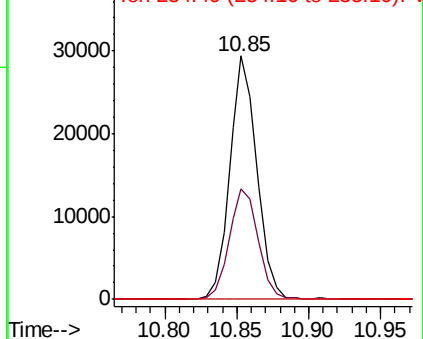
Manual Integrations
APPROVED

MMDadoda

7/1/2019 11:35:38 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# 1791

Delta R.T. -0.01 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

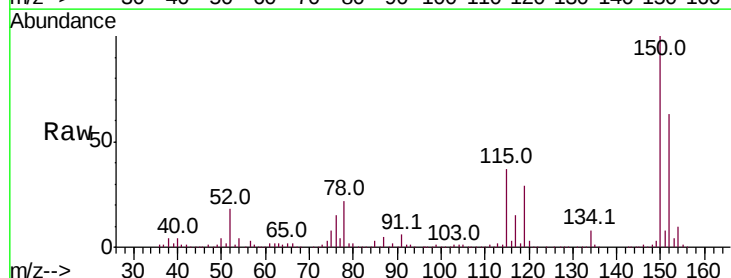
Tgt Ion:152 Resp: 180406

Ion Ratio Lower Upper

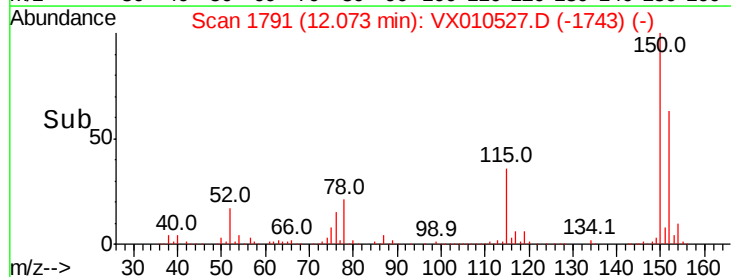
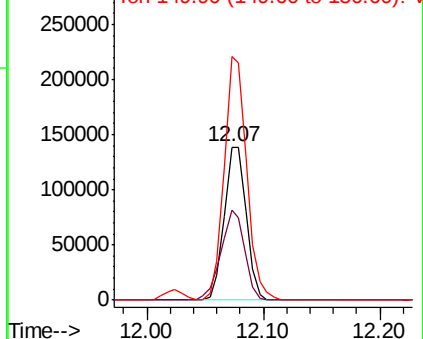
152 100

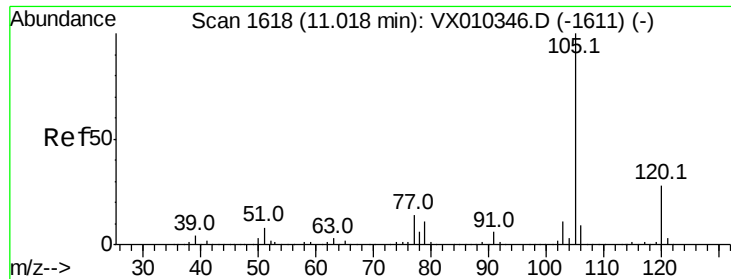
115 62.9 38.6 115.7

150 163.4 0.0 347.4



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: 18.908 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS01

Tot Ion: 105 Resp: 231233

Ion Ratio Lower Upper

105 100

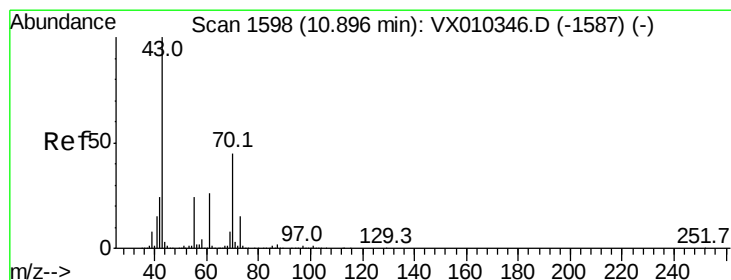
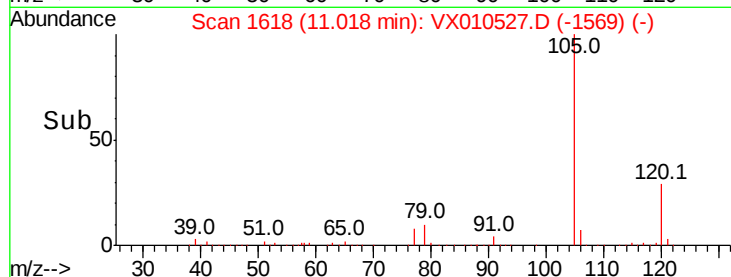
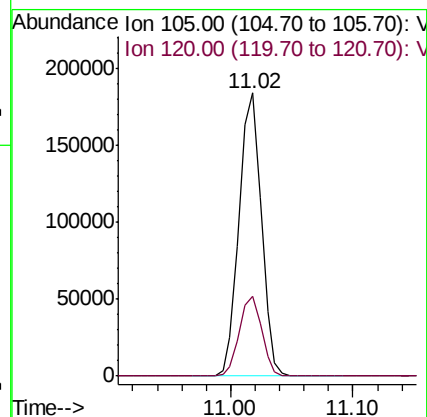
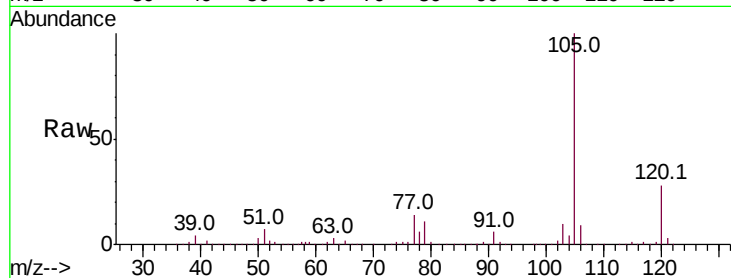
120 28.4 14.1 42.4

Manual Integrations

APPROVED

MMDadoda

7/1/2019 11:35:38 AM



#74

N-ethyl acetate

Concen: 18.322 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Tgt Ion: 43 Resp: 84680

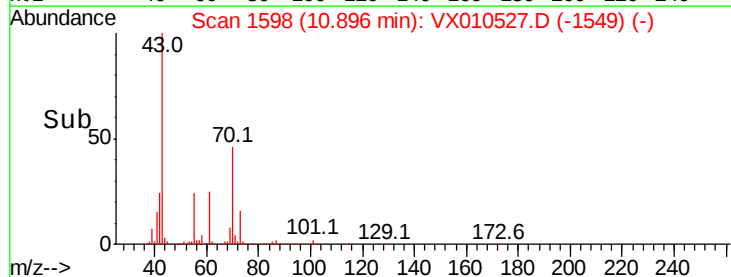
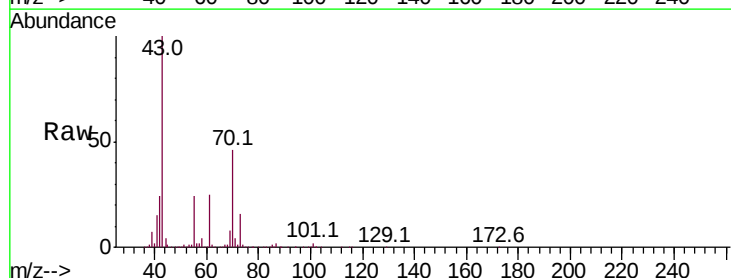
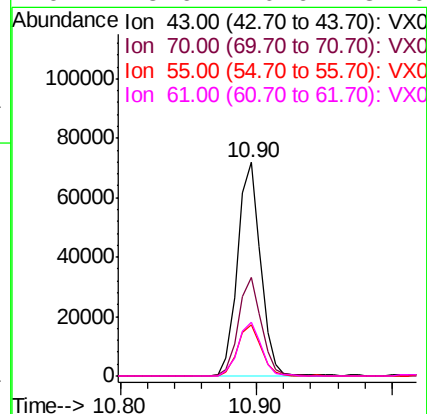
Ion Ratio Lower Upper

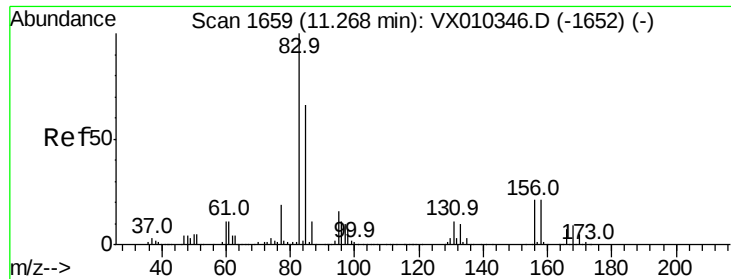
43 100

70 46.4 36.6 54.8

55 24.8 18.7 28.1

61 25.6 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.353 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0628WBS01

Tot Ion: 83 Resp: 74332

Ion Ratio Lower Upper

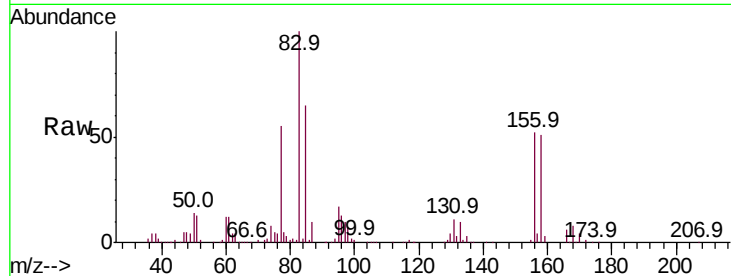
83 100

131 11.1 5.5 16.4

85 64.5 32.3 96.8

Manual Integrations
APPROVED

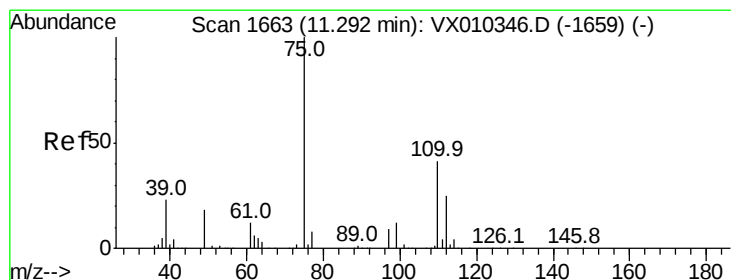
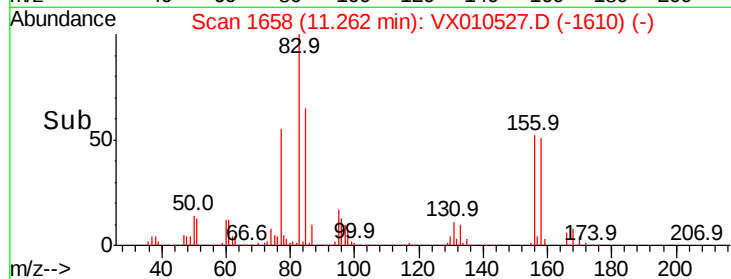
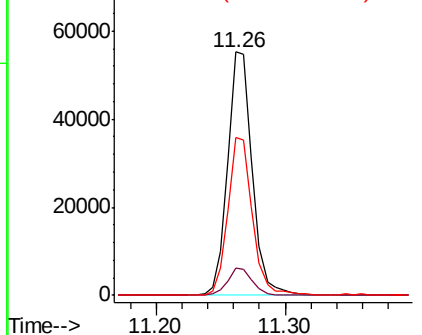
MMDadoda
7/1/2019 11:35:38 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.553 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010527.D

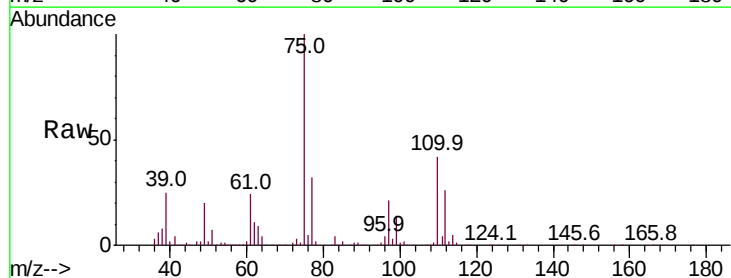
Acq: 28 Jun 2019 11:25

Tgt Ion: 75 Resp: 60993

Ion Ratio Lower Upper

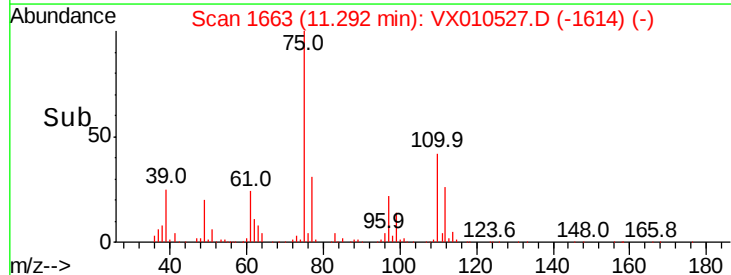
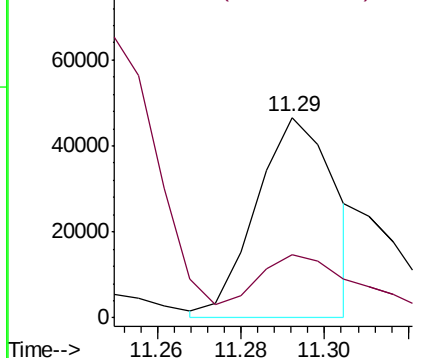
75 100

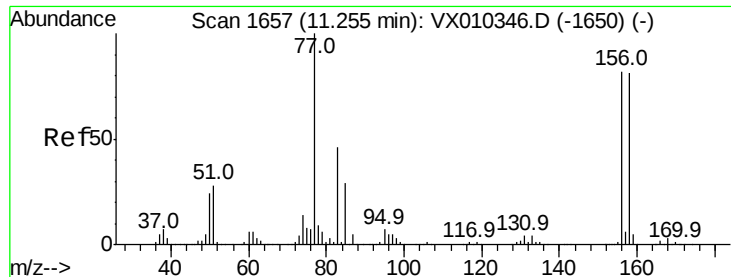
77 41.9 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.641 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

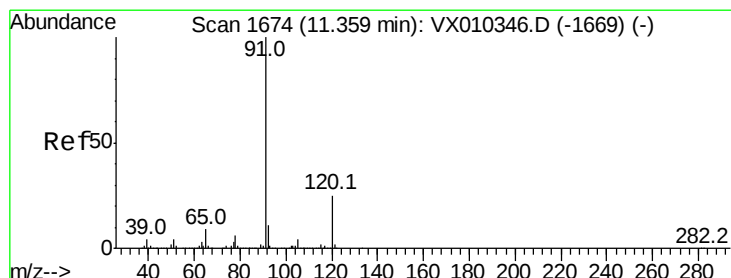
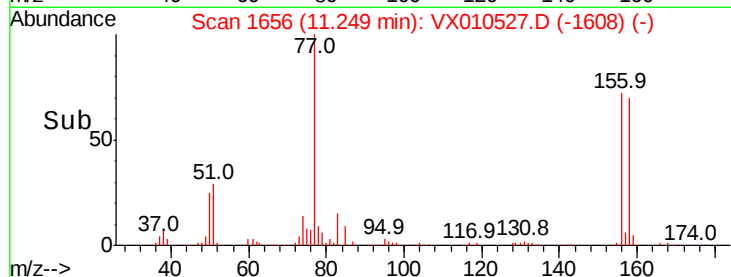
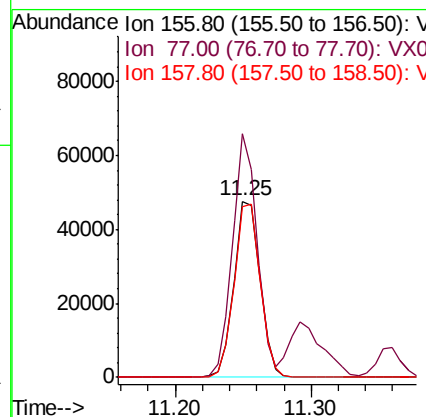
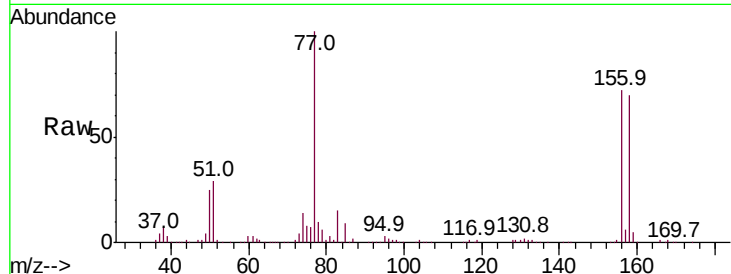
ClientSampleId :

VX0628WBS01

Tot Ion:	156	Resp:	63655
Ion	Ratio	Lower	Upper
156	100		
77	130.9	66.3	198.7
158	98.7	48.9	146.7

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



#78

n-propylbenzene

Concen: 19.072 ug/l

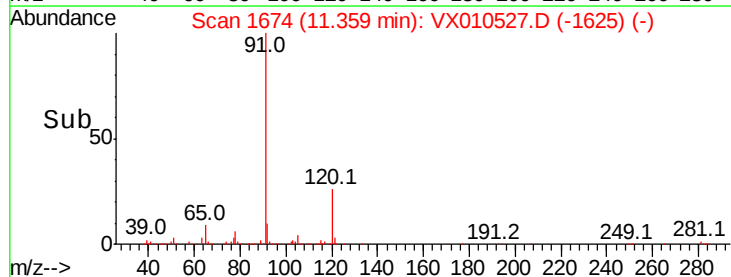
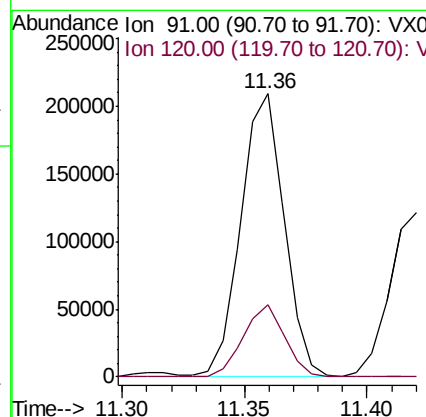
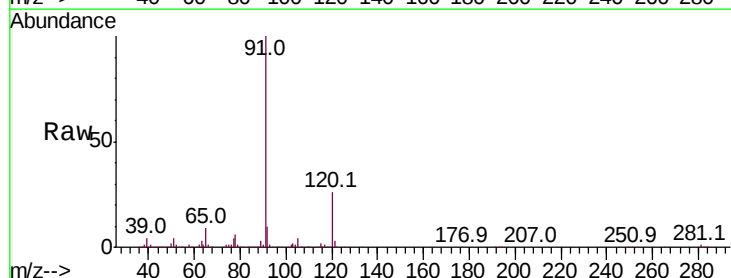
RT: 11.36 min Scan# 1674

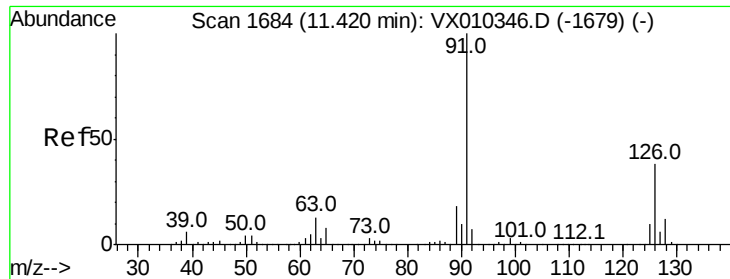
Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Tgt Ion:	91	Resp:	256336
Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.4	37.4





#79

2-Chlorotoluene

Concen: 18.712 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBS01

Tot Ion: 91 Resp: 149758

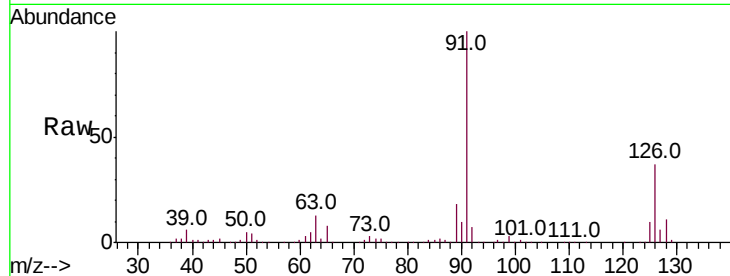
Ion Ratio Lower Upper

91 100

126 37.1 18.7 56.1

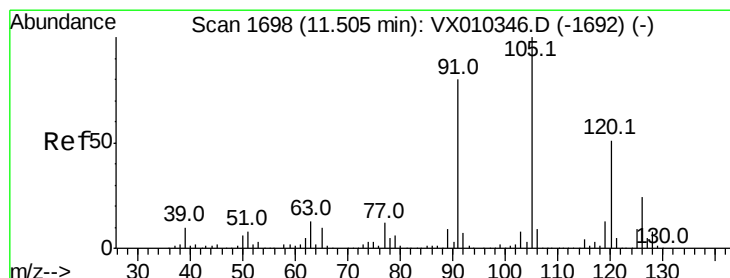
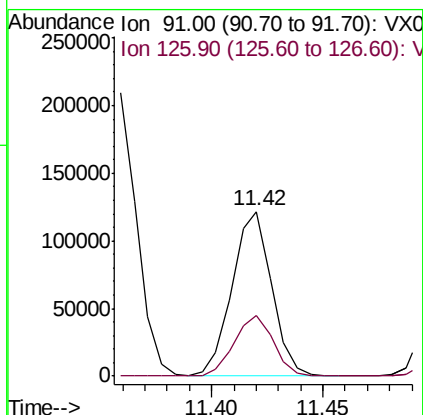
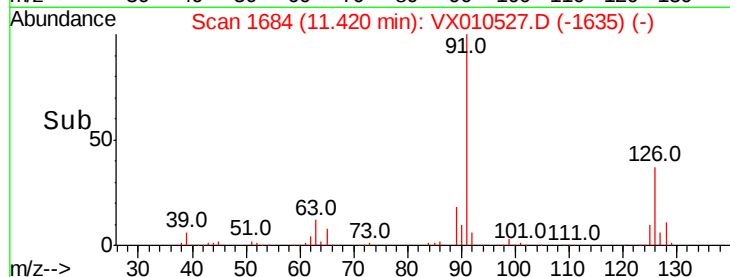
Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



Abundance Ion 91.00 (90.70 to 91.70): VX010527.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX010527.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.287 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010527.D

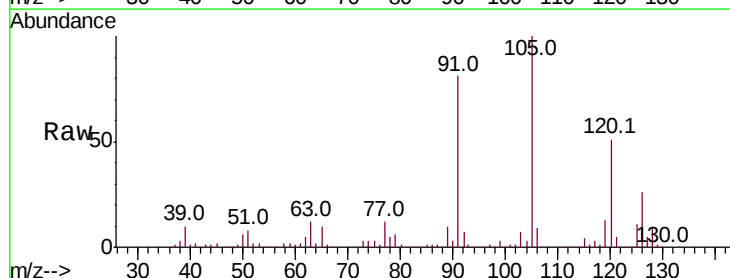
Acq: 28 Jun 2019 11:25

Tgt Ion: 105 Resp: 194442

Ion Ratio Lower Upper

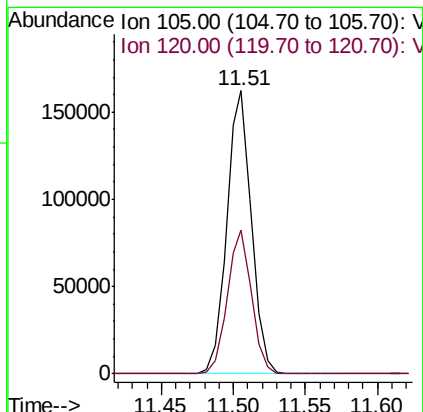
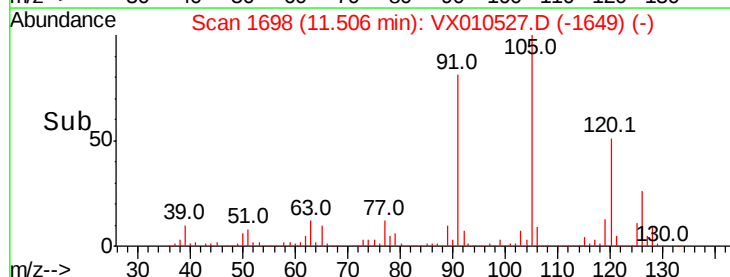
105 100

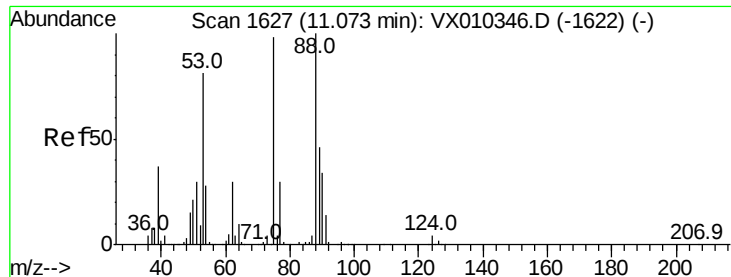
120 50.5 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010527.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX010527.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 14.871 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

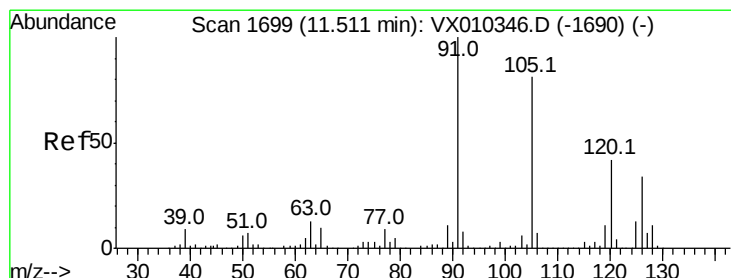
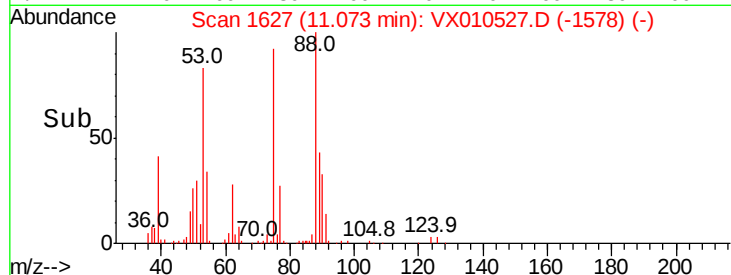
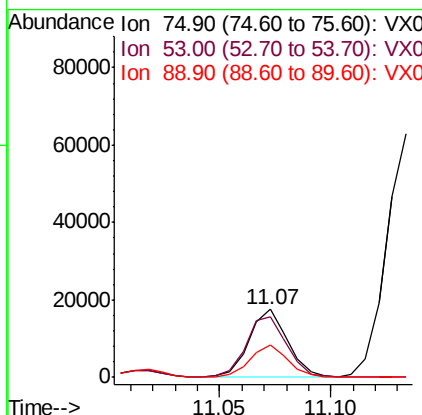
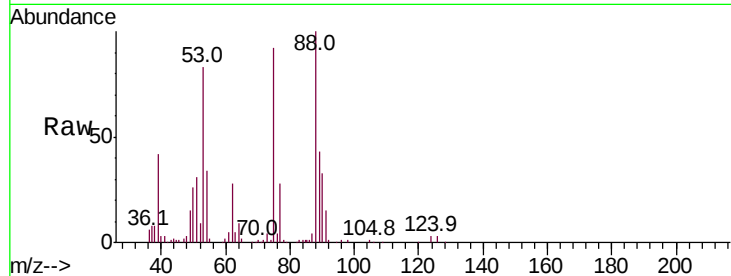
ClientSampleId :

VX0628WBS01

Tot Ion:	75	Resp:	20956
Ion	Ratio	Lower	Upper
75	100		
53	94.6	66.1	99.1
89	47.9	37.8	56.6

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



#82

4-Chlorotoluene

Concen: 18.872 ug/l

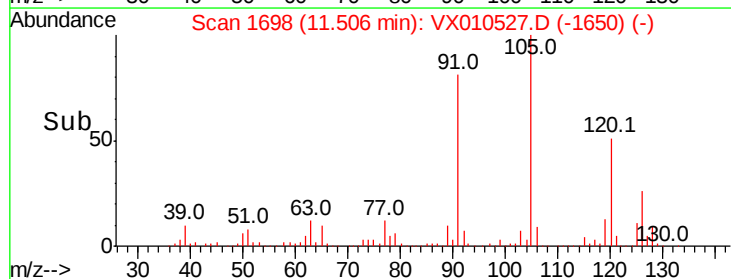
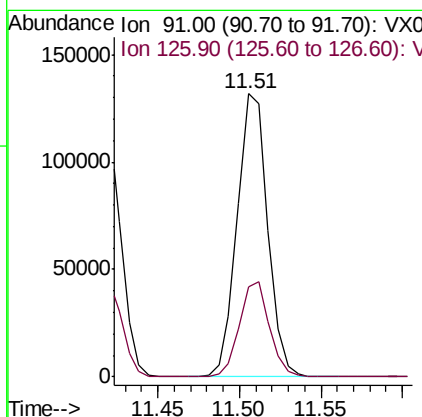
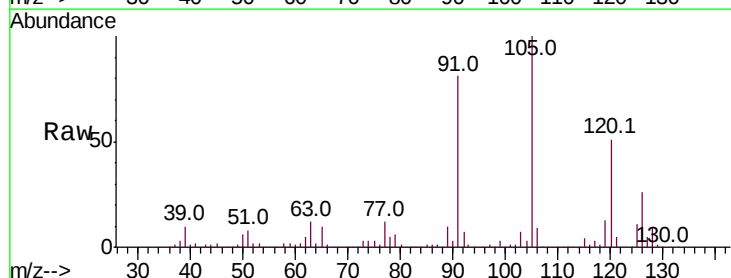
RT: 11.51 min Scan# 1698

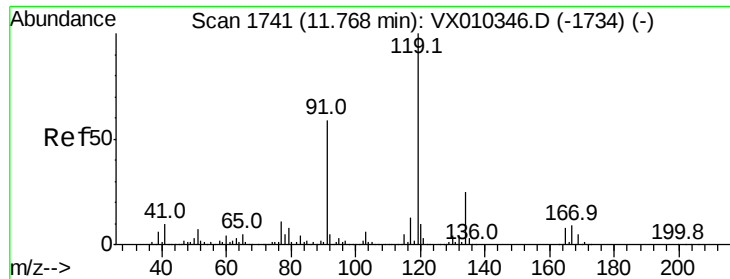
Delta R.T. -0.01 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Tgt Ion:	91	Resp:	171869
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.2	48.6





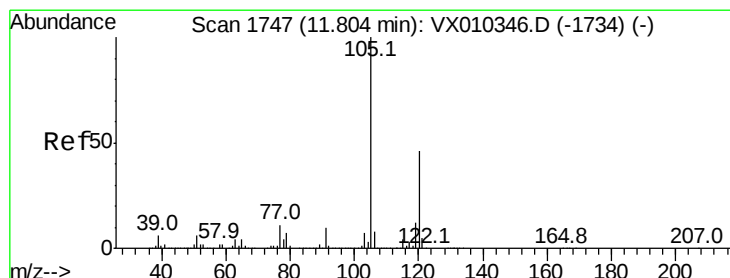
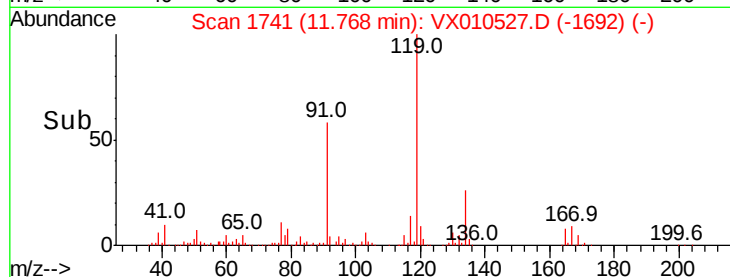
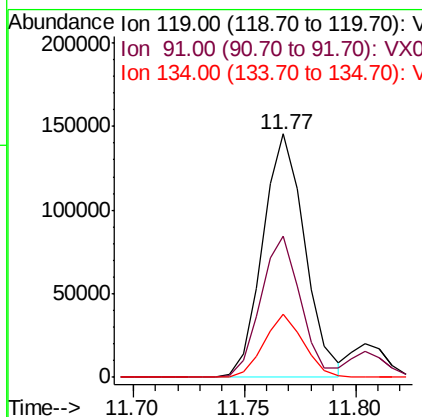
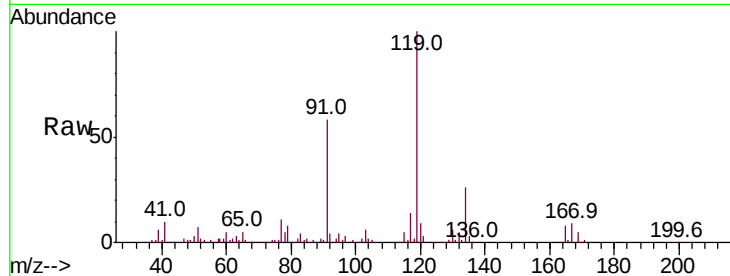
#83
tert-Butylbenzene
Concen: 18.901 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	191259		
91	55.5	27.6	82.7	
134	24.5	11.8	35.4	

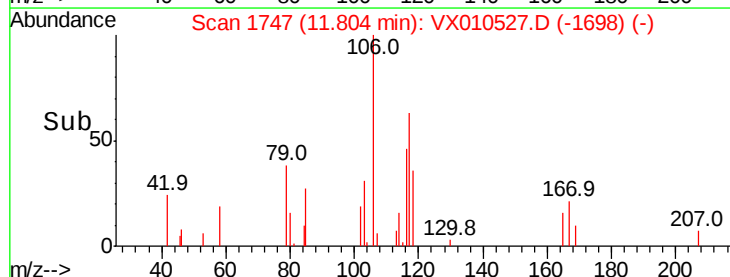
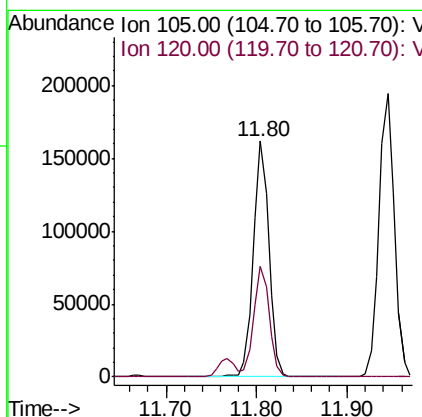
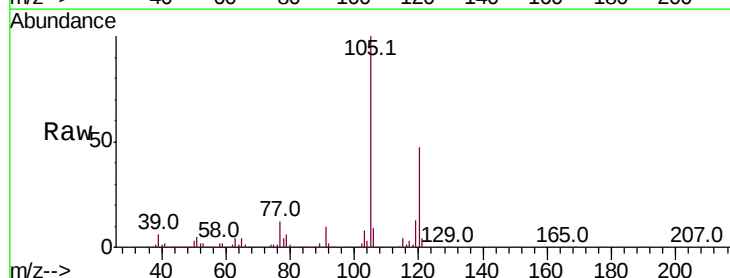
Manual Integrations
APPROVED

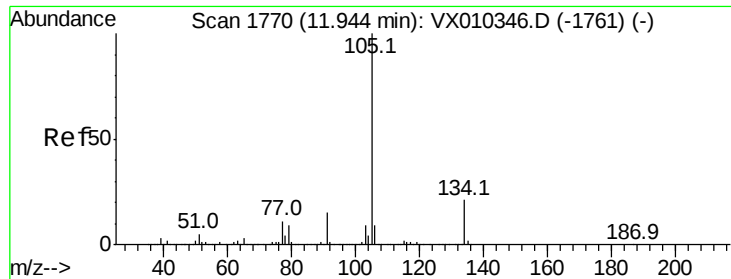
MMDadoda
7/1/2019 11:35:38 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.169 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	194165		
120	46.7	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.334 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VX0628WBS01

Tot Ion:105 Resp: 229708

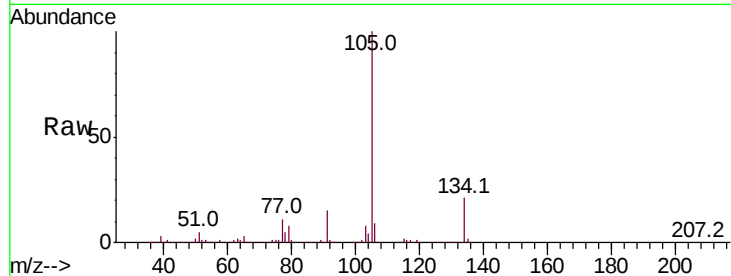
Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

100000

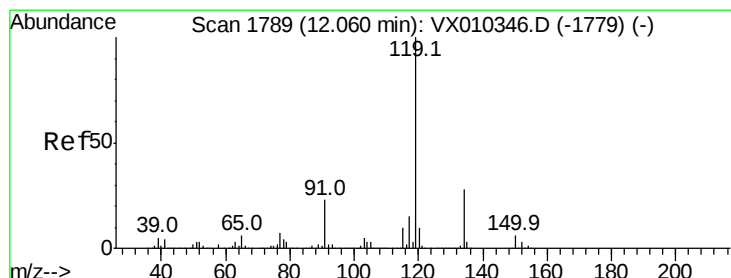
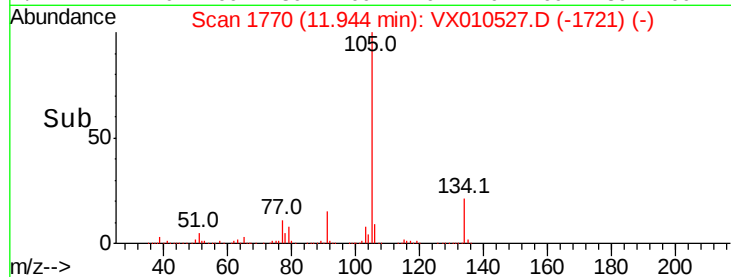
50000

0

11.94

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 19.461 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

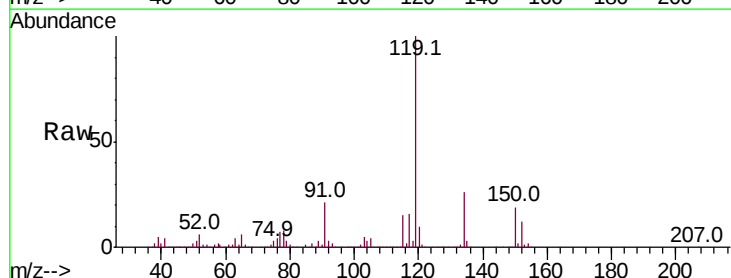
Tgt Ion:119 Resp: 213863

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

91 21.5 11.3 33.8



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

250000

200000

150000

100000

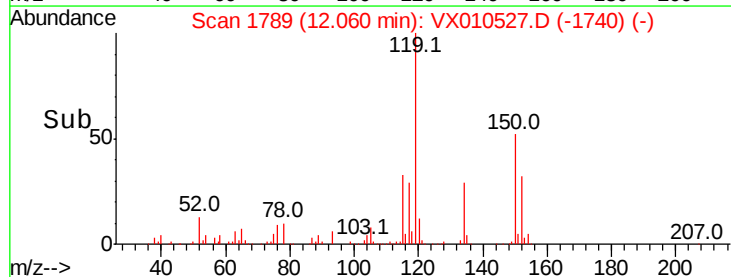
50000

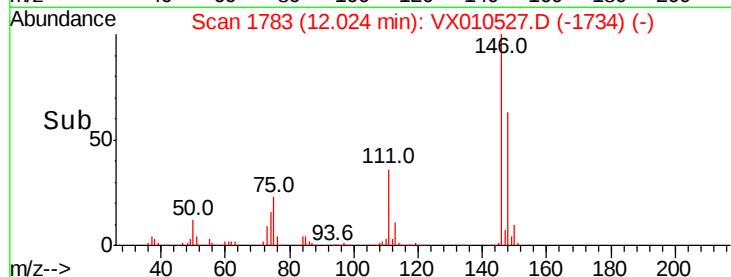
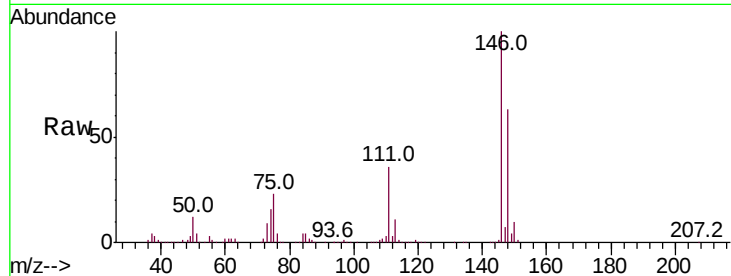
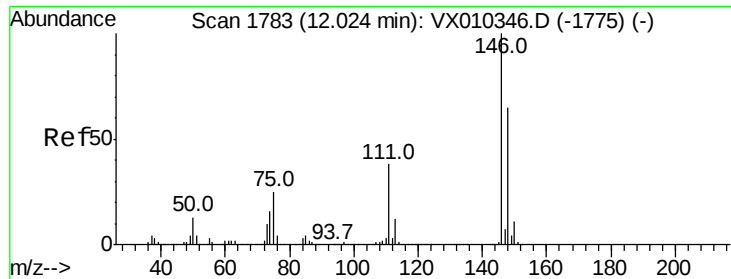
0

12.06

12.00 12.10

Time-->





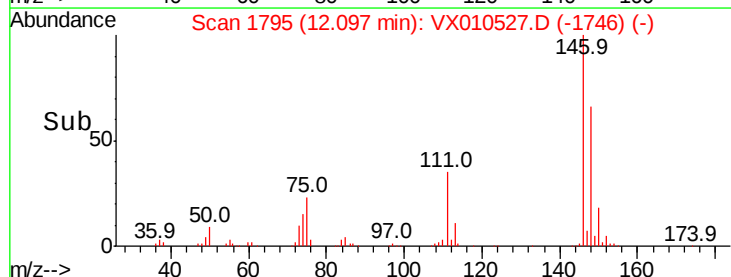
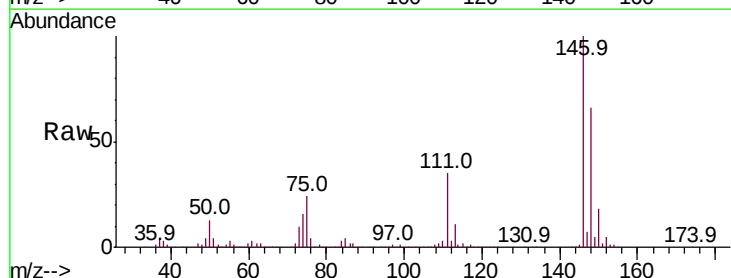
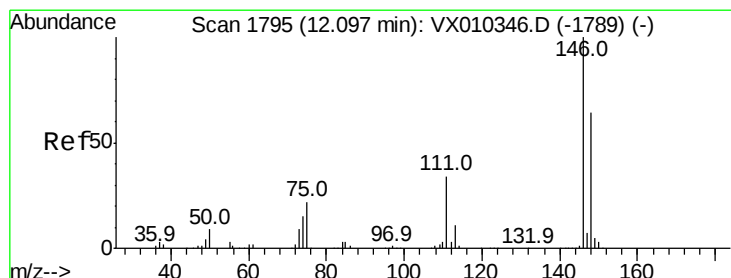
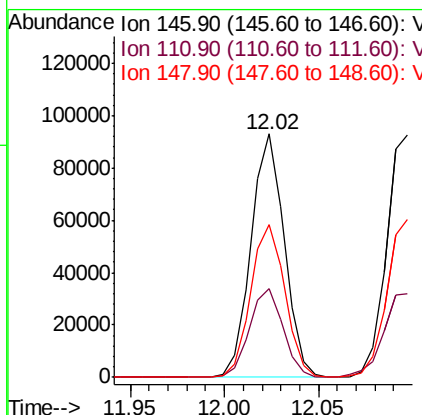
#87
 1,3-Dichlorobenzene
 Concen: 19.104 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.1	57.1
148	64.6	32.5	97.4

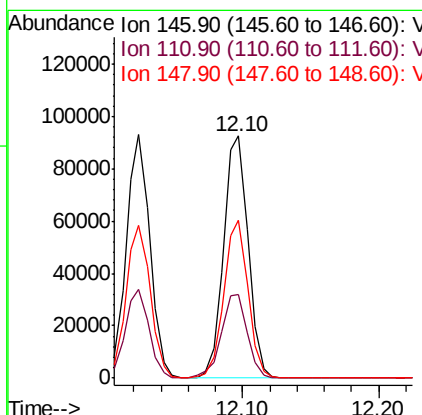
Manual Integrations
 APPROVED

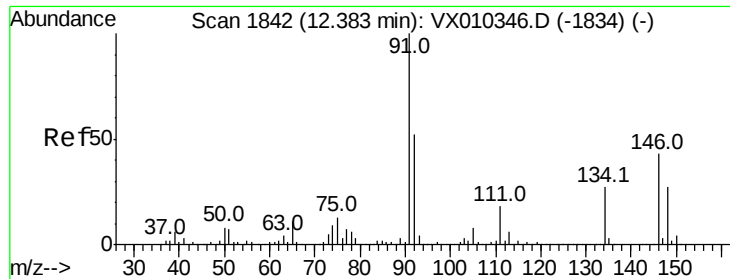
MMDadoda
 7/1/2019 11:35:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.065 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.3
148	64.1	32.1	96.3





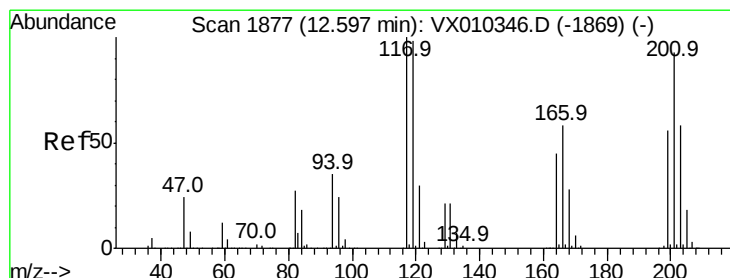
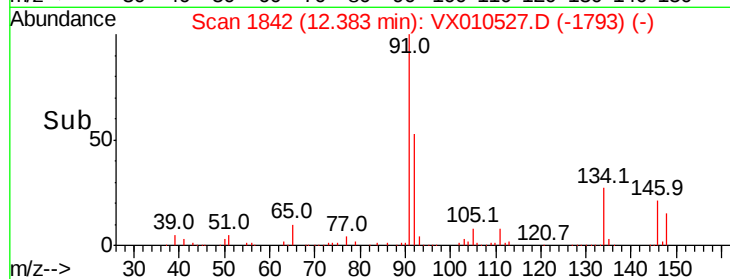
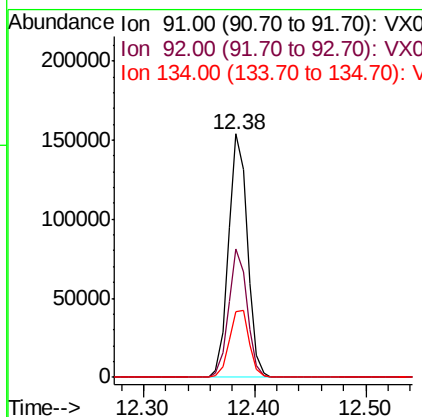
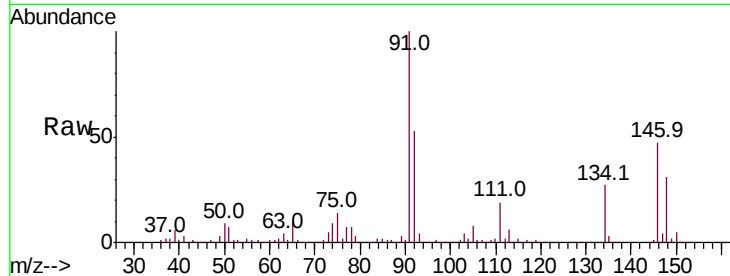
#89
n-Butylbenzene
Concen: 19.298 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.5
134	28.7	14.1	42.4

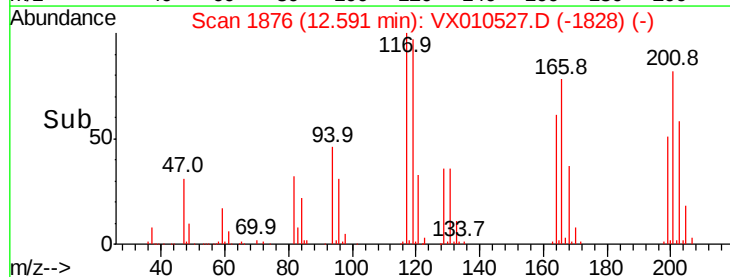
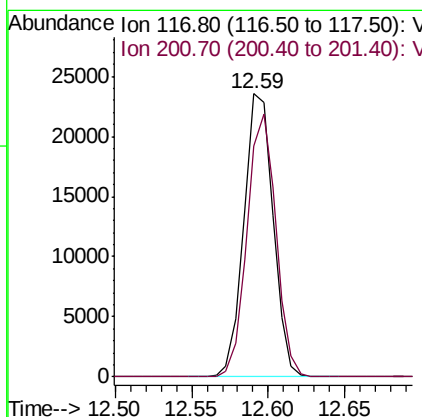
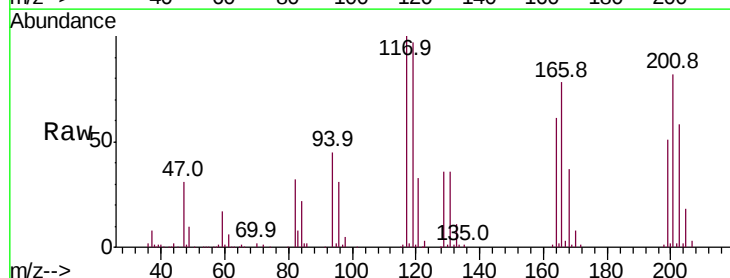
Manual Integrations
APPROVED

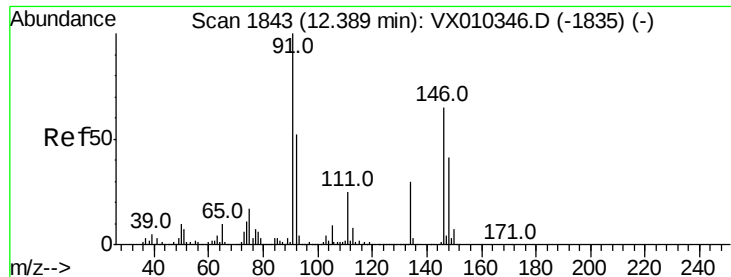
MMDadoda
7/1/2019 11:35:38 AM



#90
Hexachloroethane
Concen: 16.555 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.0	44.0	131.8





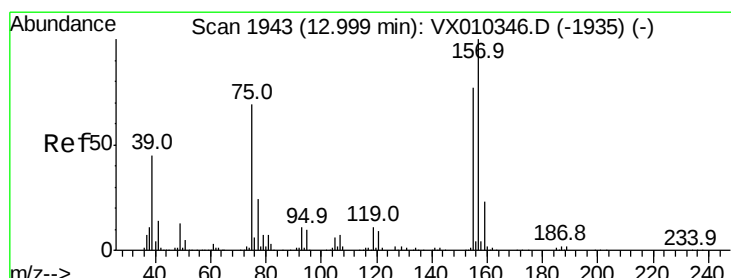
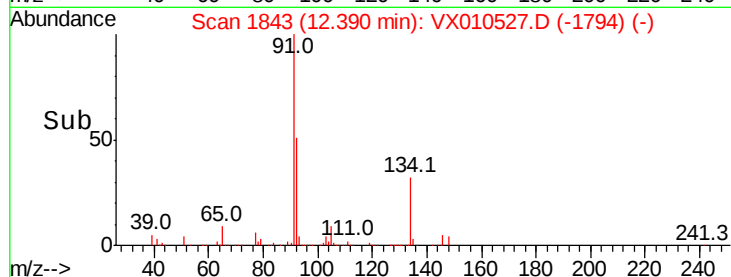
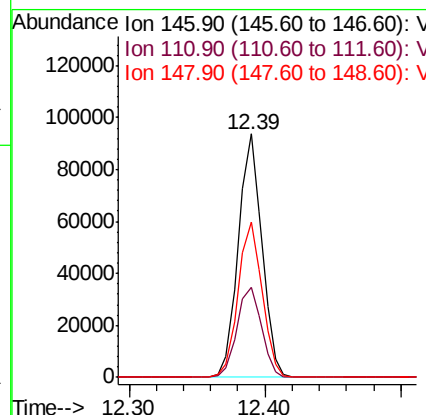
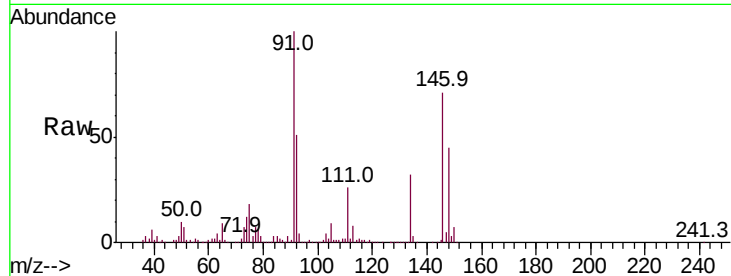
#91
 1,2-Dichlorobenzene
 Concen: 19.129 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.2	57.6
148	64.9	32.0	96.0

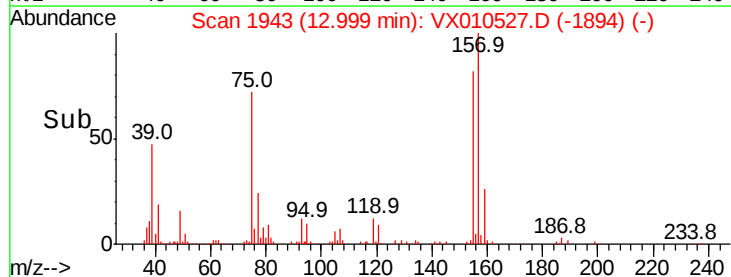
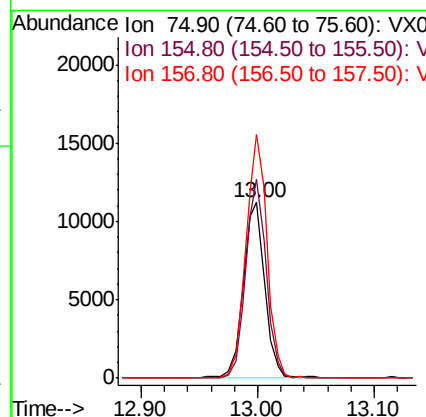
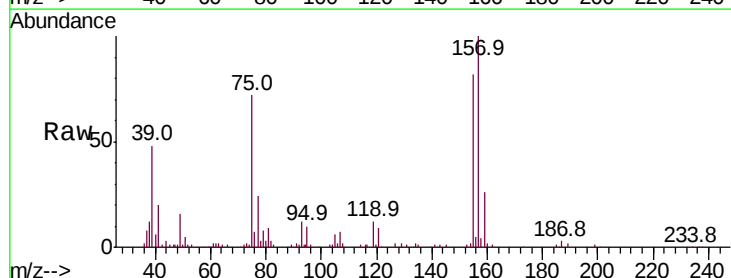
Manual Integrations
 APPROVED

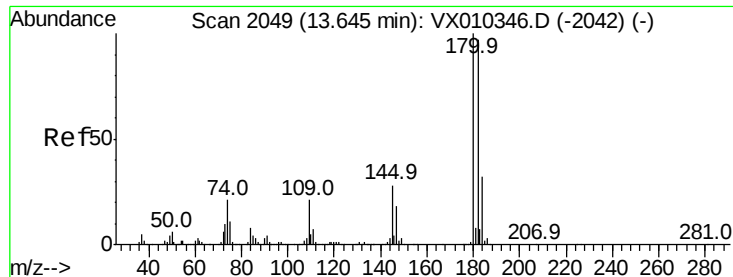
MMDadoda
 7/1/2019 11:35:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.572 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010527.D
 Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.9	54.4	163.1
157	135.1	69.5	208.3





#93

1,2,4-Trichlorobenzene

Concen: 19.927 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Instrument :

MSVOA_X

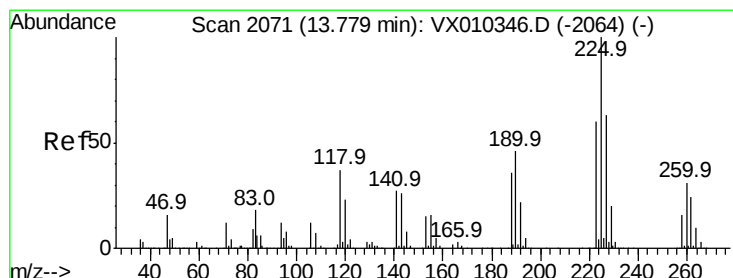
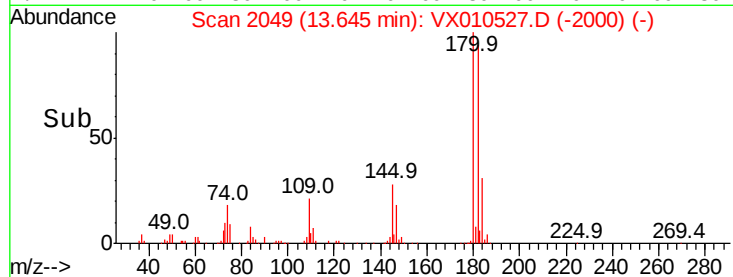
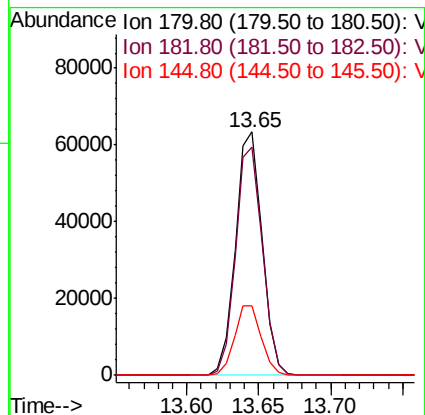
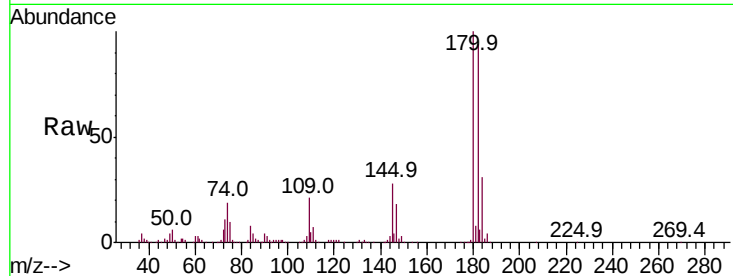
ClientSampled :

VX0628WBS01

Tot Ion:	180	Resp:	81865
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.0	144.0
145	29.0	14.4	43.4

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



#94

Hexachlorobutadiene

Concen: 20.903 ug/l

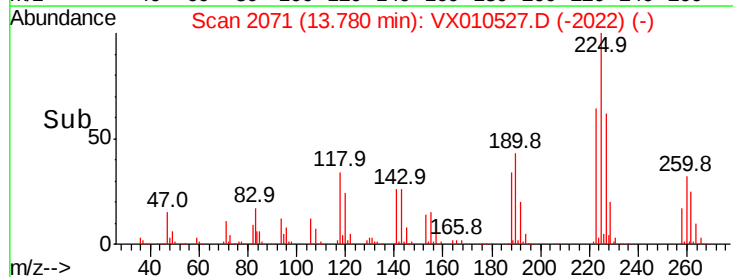
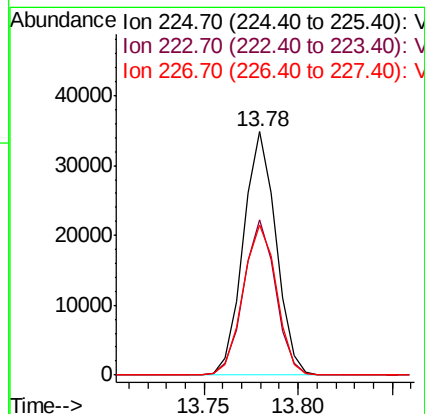
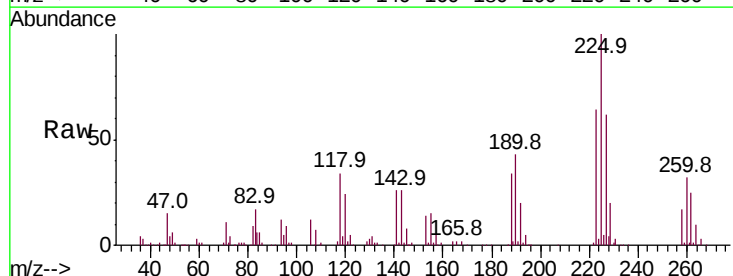
RT: 13.78 min Scan# 2071

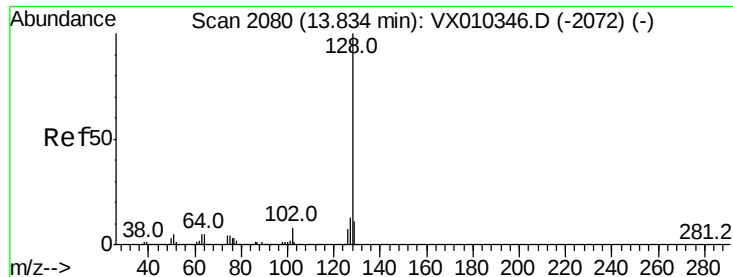
Delta R.T. 0.00 min

Lab File: VX010527.D

Acq: 28 Jun 2019 11:25

Tgt Ion:	225	Resp:	41971
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.9	92.7
227	63.2	31.9	95.5





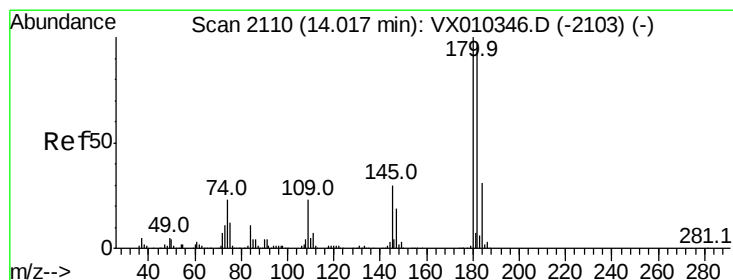
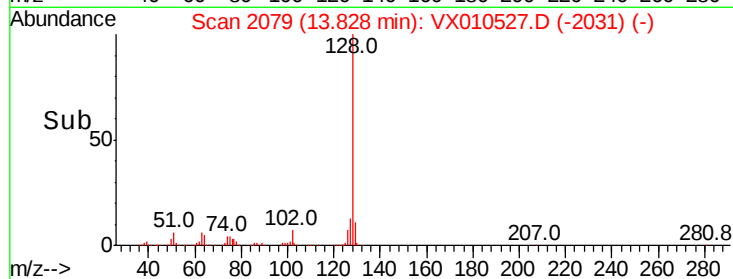
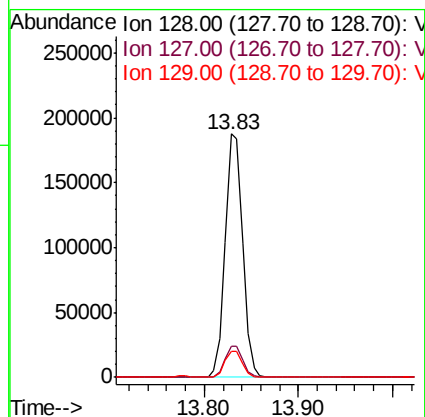
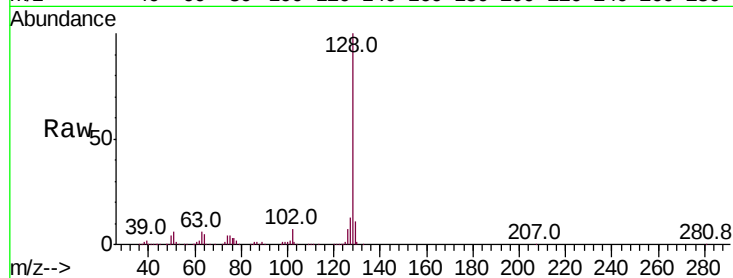
#95
Naphthalene
Concen: 19.090 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampled :
VX0628WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	241012		
127	12.8	10.2	15.4	
129	10.8	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.133 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010527.D
Acq: 28 Jun 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	82239		
182	95.9	47.8	143.3	
145	30.3	15.2	45.6	

