

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102519\
 Data File : VX013214.D
 Acq On : 24 Oct 2019 16:15
 Operator : JC/SP
 Sample : K5532-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:53:40 PM

Quant Time: Oct 25 04:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	81235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	117522	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	120289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	82050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	84668	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
35) Dibromofluoromethane	5.49	113	68367	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	8.71	98	244276	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	97041	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	79974	48.790	ug/l	99
3) Chloromethane	1.32	50	64071	47.514	ug/l	95
4) Vinyl Chloride	1.40	62	96816	65.631	ug/l	98
5) Bromomethane	1.63	94	31050	39.712	ug/l	98
6) Chloroethane	1.71	64	43973	53.441	ug/l	97
7) Trichlorofluoromethane	1.92	101	120652	51.820	ug/l	97
8) Diethyl Ether	2.18	74	39760	49.802	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72447	50.254	ug/l	99
10) Methyl Iodide	2.50	142	70005	39.356	ug/l	100
11) Tert butyl alcohol	3.03	59	87336	236.885	ug/l	99
12) 1,1-Dichloroethene	2.36	96	73551	53.150	ug/l	98
13) Acrolein	2.28	56	49055	246.080	ug/l	98
14) Allyl chloride	2.72	41	105542	48.445	ug/l	99
15) Acrylonitrile	3.13	53	187278	250.067	ug/l	99
16) Acetone	2.44	43	172559	215.573	ug/l	97
17) Carbon Disulfide	2.56	76	172383	46.335	ug/l	100
18) Methyl Acetate	2.76	43	88579	50.665	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	242261	49.713	ug/l	99
20) Methylene Chloride	2.84	84	76380	51.019	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	460394	317.183	ug/l	91
22) Diisopropyl ether	3.84	45	209060	49.077	ug/l	95
23) Vinyl Acetate	3.80	43	925062	255.496	ug/l	99
24) 1,1-Dichloroethane	3.69	63	129341	49.364	ug/l	99
25) 2-Butanone	4.66	43	253524	236.164	ug/l	96
26) 2,2-Dichloropropane	4.58	77	118394	48.892	ug/l #	33
27) cis-1,2-Dichloroethene	4.59	96	1066294	629.167	ug/l	89
28) Bromochloromethane	5.00	49	35364	52.343	ug/l	96
29) Tetrahydrofuran	5.11	42	157616	243.584	ug/l	99
30) Chloroform	5.20	83	139459	49.991	ug/l	97
31) Cyclohexane	5.57	56	110630	50.347	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	127656	51.465	ug/l	99
36) 1,1-Dichloropropene	5.79	75	103866	52.803	ug/l	99
37) Ethyl Acetate	4.82	43	96931	49.495	ug/l #	80
38) Carbon Tetrachloride	5.78	117	109661	50.483	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102519\
 Data File : VX013214.D
 Acq On : 24 Oct 2019 16:15
 Operator : JC/SP
 Sample : K5532-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:53:40 PM

Quant Time: Oct 25 04:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	121548	48.312	ug/l	98
40) Benzene	6.14	78	293368	49.698	ug/l	98
41) Methacrylonitrile	5.03	41	54481	51.888	ug/l	99
42) 1,2-Dichloroethane	6.18	62	115713	51.991	ug/l	99
43) Isopropyl Acetate	6.43	43	163461	50.271	ug/l	100
44) Trichloroethene	7.21	130	2367004	1412.841	ug/l	96
45) 1,2-Dichloropropane	7.51	63	72179	48.820	ug/l	97
46) Dibromomethane	7.65	93	52350	49.146	ug/l	98
47) Bromodichloromethane	7.89	83	108017	52.035	ug/l	99
48) Methyl methacrylate	7.76	41	79851	49.686	ug/l	100
49) 1,4-Dioxane	7.73	88	36033	880.944	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	492792	248.641	ug/l	100
52) Toluene	8.78	92	192604	49.234	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	117270	53.160	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	126193	52.293	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	77495	50.105	ug/l	99
56) Ethyl methacrylate	9.17	69	119473	51.324	ug/l	100
57) 1,3-Dichloropropane	9.37	76	127083	48.697	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	39209	43.167	ug/l	98
59) 2-Hexanone	9.48	43	376568	246.659	ug/l	98
60) Dibromochloromethane	9.57	129	86536	53.395	ug/l	99
61) 1,2-Dibromoethane	9.67	107	82070	49.983	ug/l	99
64) Tetrachloroethene	9.33	164	77610	52.382	ug/l	98
65) Chlorobenzene	10.14	112	205262	48.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	78869	50.702	ug/l	99
67) Ethyl Benzene	10.25	91	369435	49.008	ug/l	98
68) m/p-Xylenes	10.35	106	281027	98.646	ug/l	99
69) o-Xylene	10.70	106	133962	49.019	ug/l	98
70) Styrene	10.71	104	231218	49.135	ug/l	98
71) Bromoform	10.85	173	60507	53.235	ug/l #	100
73) Isopropylbenzene	11.01	105	370754	49.760	ug/l	100
74) N-amyl acetate	10.89	43	138171	50.525	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	108125	47.793	ug/l	92
76) 1,2,3-Trichloropropane	11.29	75	95969m	48.529	ug/l	
77) Bromobenzene	11.25	156	86284	48.317	ug/l	98
78) n-propylbenzene	11.35	91	405202	50.065	ug/l	100
79) 2-Chlorotoluene	11.42	91	251568	49.195	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	312770	50.503	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	36273	50.404	ug/l	96
82) 4-Chlorotoluene	11.51	91	290670	50.166	ug/l	97
83) tert-Butylbenzene	11.76	119	305103	49.794	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	316234	50.623	ug/l	98
85) sec-Butylbenzene	11.94	105	350702	50.296	ug/l	100
86) p-Isopropyltoluene	12.06	119	330327	50.426	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	160825	49.851	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	158139	48.144	ug/l	99
89) n-Butylbenzene	12.38	91	269419	50.276	ug/l	98
90) Hexachloroethane	12.59	117	56688	51.674	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	158151	49.852	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28869	51.314	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102519\
Data File : VX013214.D
Acq On : 24 Oct 2019 16:15
Operator : JC/SP
Sample : K5532-02MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM

Quant Time: Oct 25 04:52:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	105178	52.651	ug/l	96
94) Hexachlorobutadiene	13.78	225	51168	49.517	ug/l	97
95) Naphthalene	13.83	128	321633	52.460	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	102658	52.006	ug/l	97

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

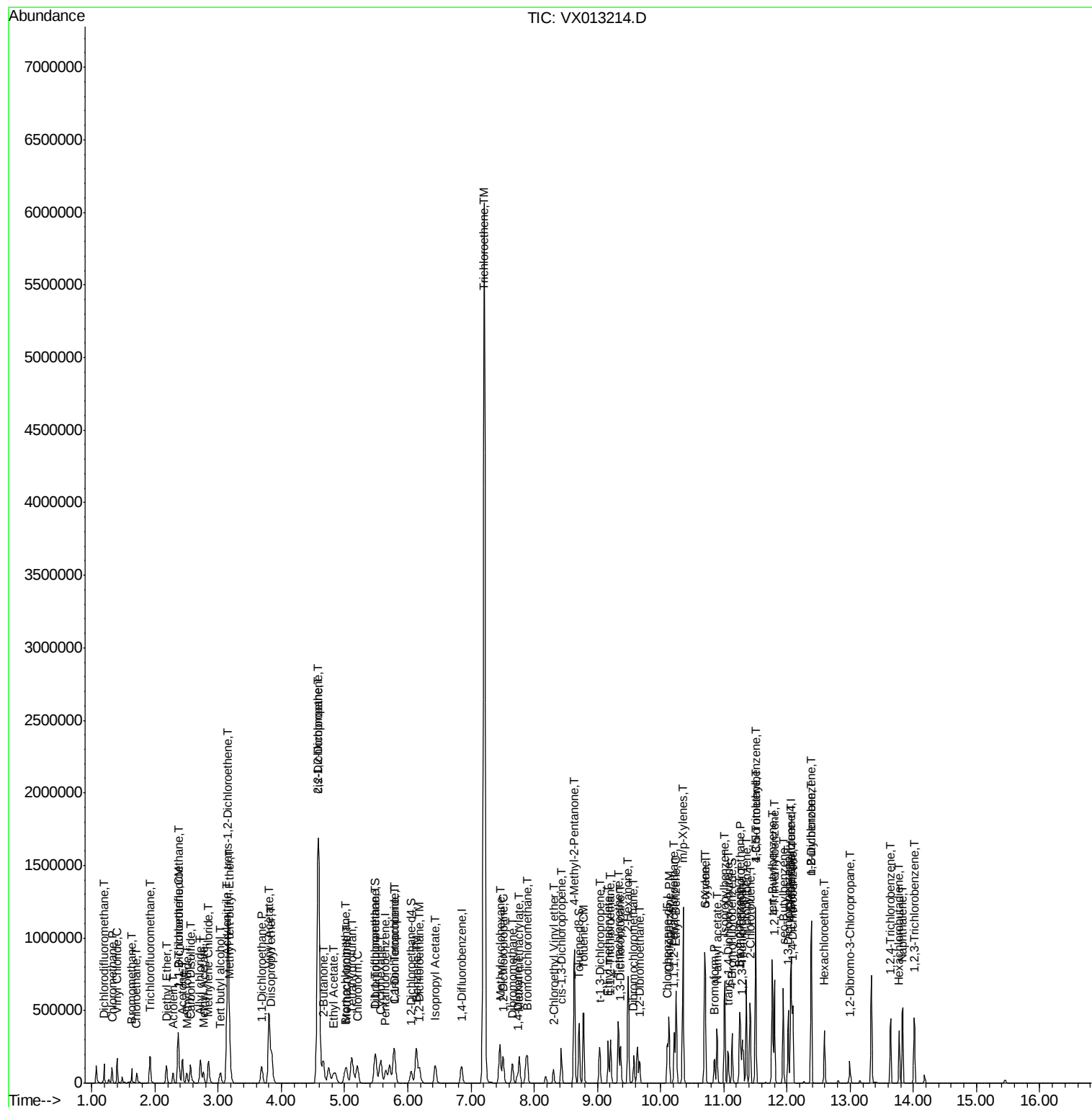
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102519\
Data File : VX013214.D
Acq On : 24 Oct 2019 16:15
Operator : JC/SP
Sample : K5532-02MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

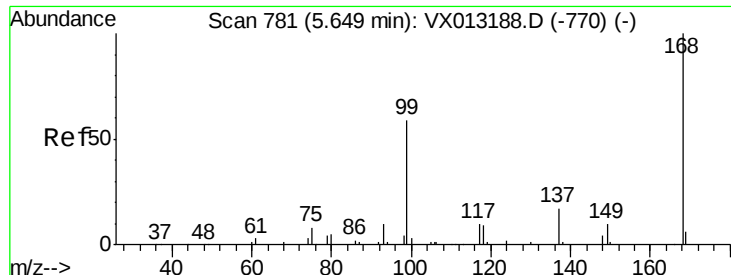
Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM

Quant Time: Oct 25 04:52:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration





#1

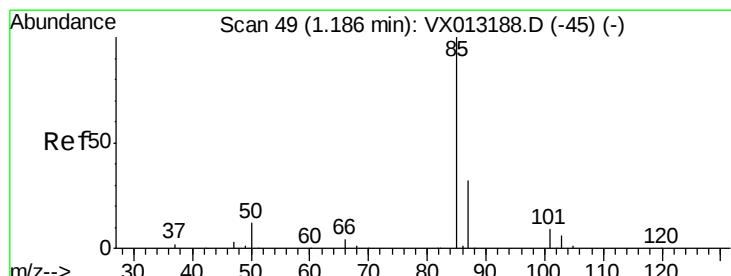
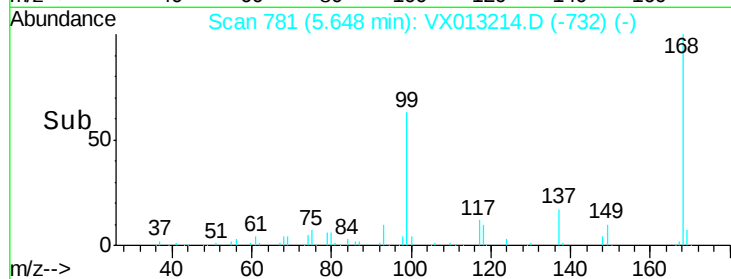
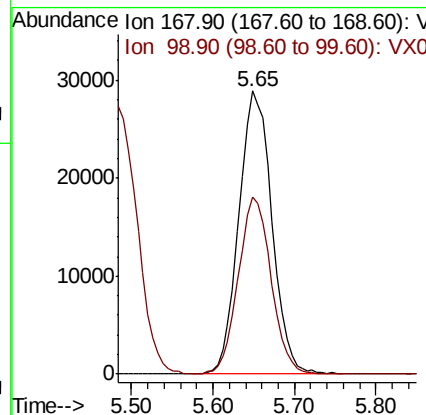
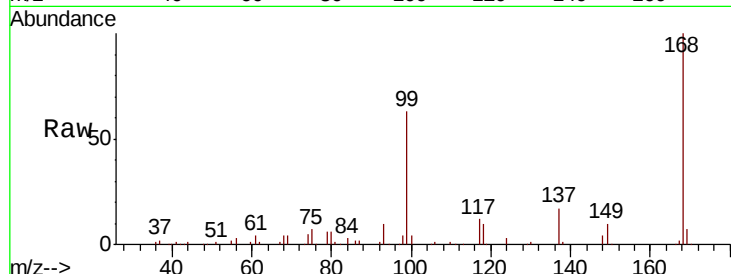
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Tot Ion	Ratio	Lower	Upper
168	100		
99	62.5	47.0	70.4

Manual Integrations
 APPROVED

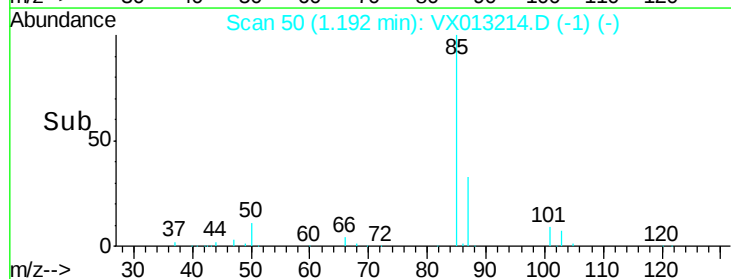
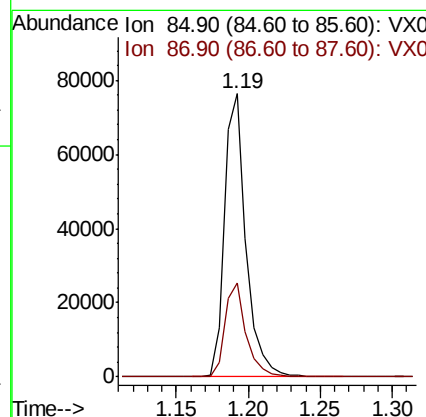
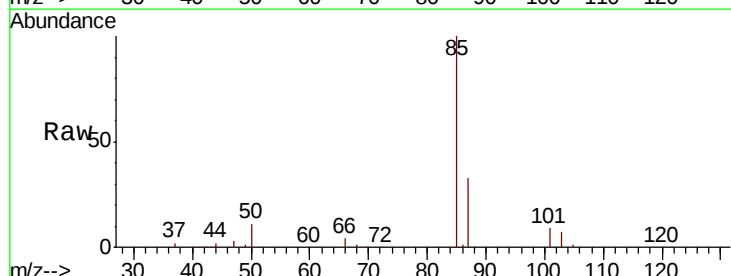
MMDadoda
 10/28/2019 12:53:40 PM

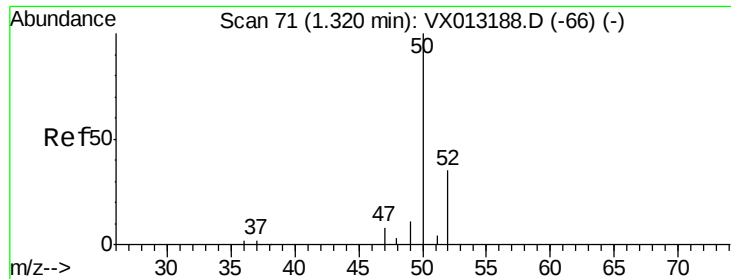


#2

Dichlorodifluoromethane
 Concen: 48.790 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.01 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.2	48.6





#3

Chloromethane

Concen: 47.514 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

Tot Ion: 50 Resp: 64071

Ion Ratio Lower Upper

50 100

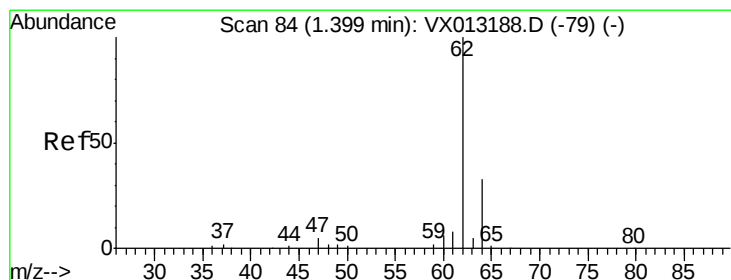
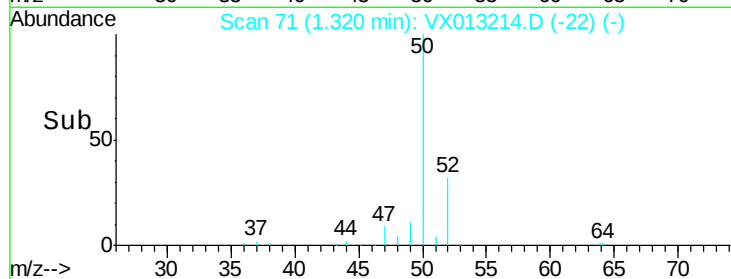
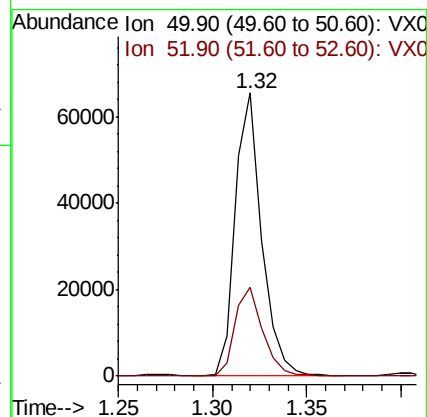
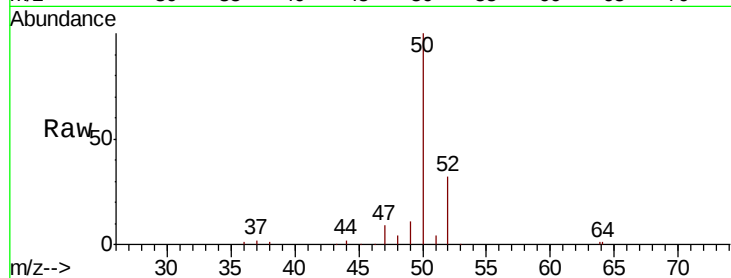
52 31.5 27.8 41.6

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:40 PM



#4

Vinyl Chloride

Concen: 65.631 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013214.D

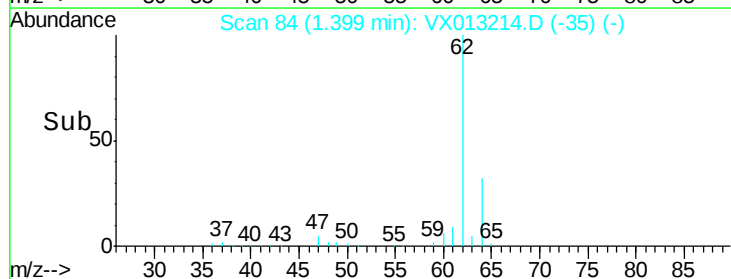
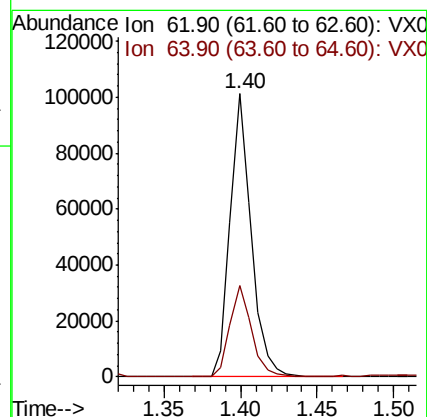
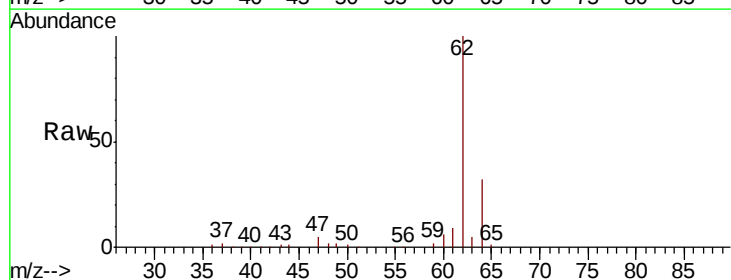
Acq: 24 Oct 2019 16:15

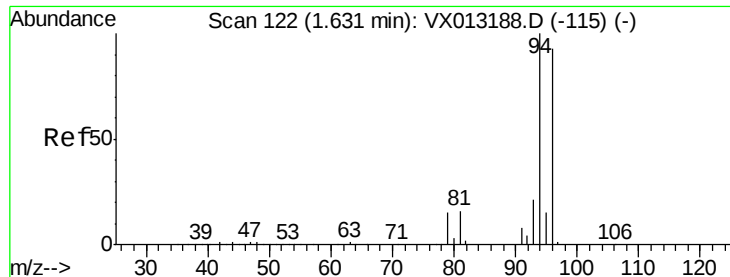
Tgt Ion: 62 Resp: 96816

Ion Ratio Lower Upper

62 100

64 32.0 26.4 39.6





#5

Bromomethane

Concen: 39.712 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tot Ion: 94 Resp: 31050

Ion Ratio Lower Upper

94 100

96 94.9 74.2 111.2

Instrument :

MSVOA_X

ClientSampleId :

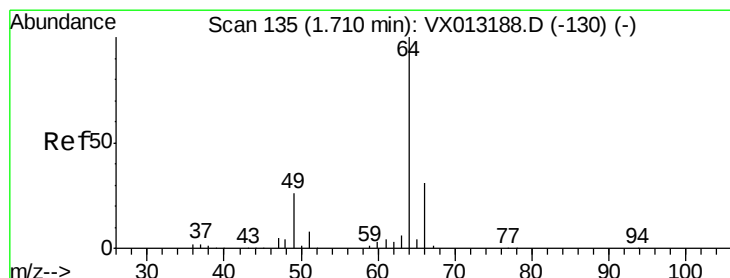
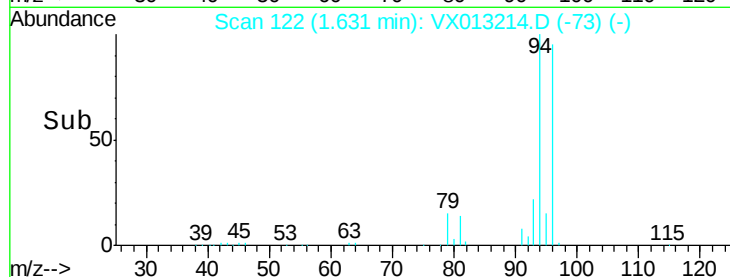
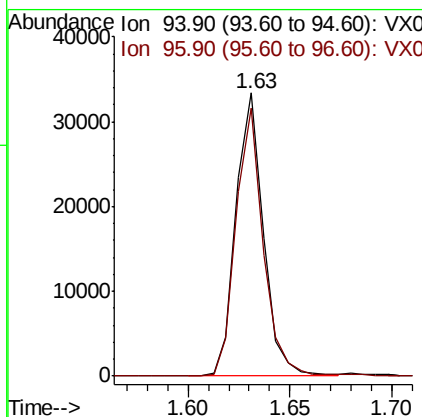
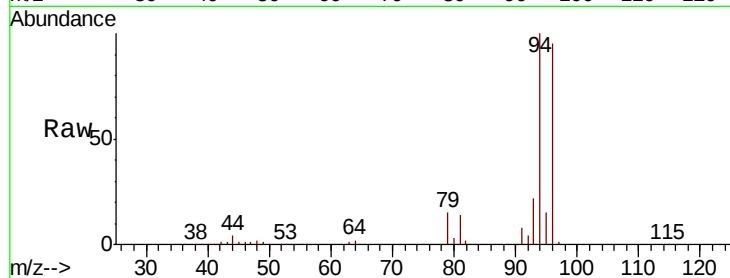
S32-0670MS

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:40 PM



#6

Chloroethane

Concen: 53.441 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013214.D

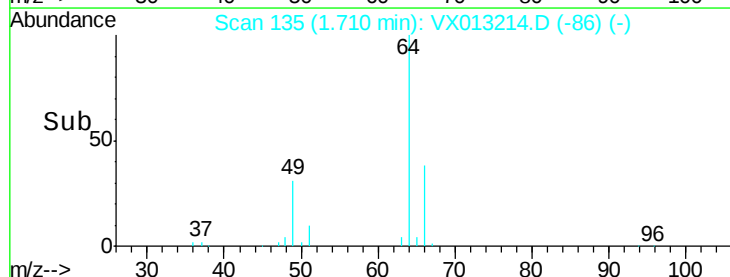
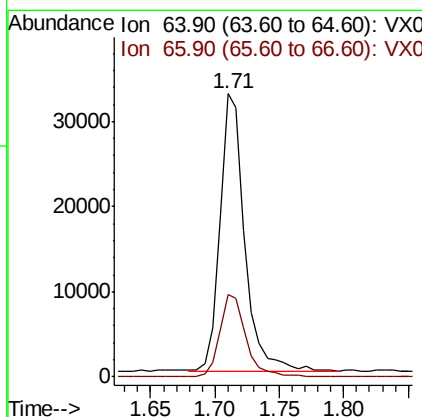
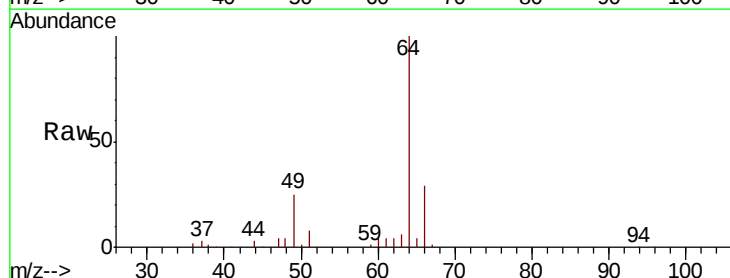
Acq: 24 Oct 2019 16:15

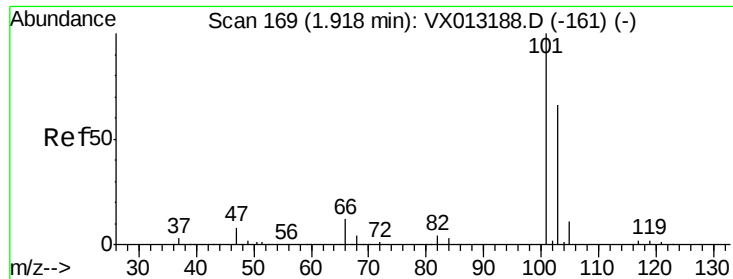
Tgt Ion: 64 Resp: 43973

Ion Ratio Lower Upper

64 100

66 29.8 25.0 37.6





#7

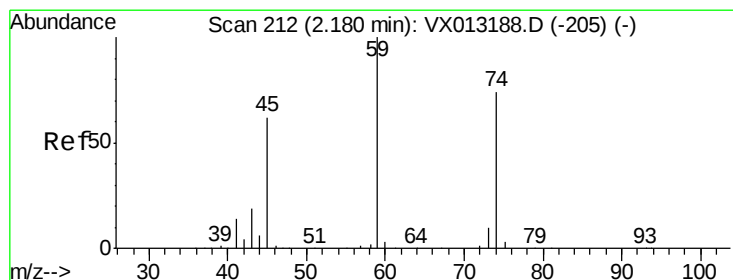
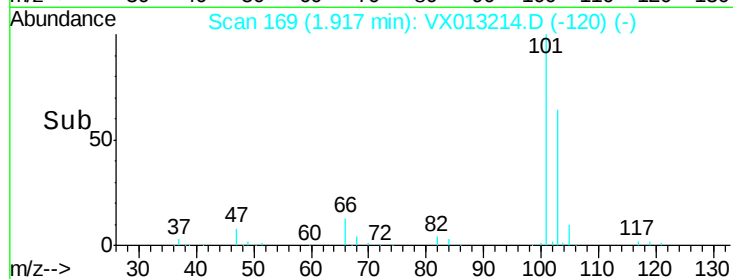
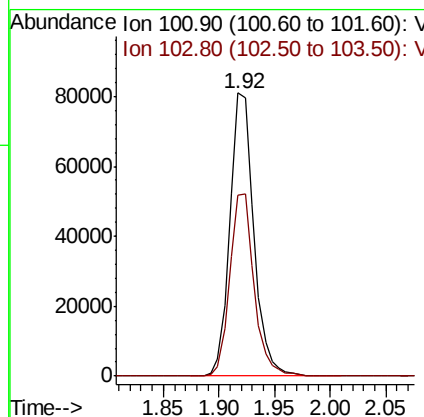
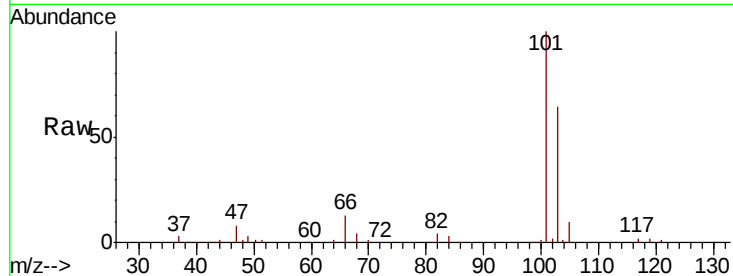
Trichlorofluoromethane
 Concen: 51.820 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		120652		
103	63.9	53.0	79.6		

Manual Integrations
 APPROVED

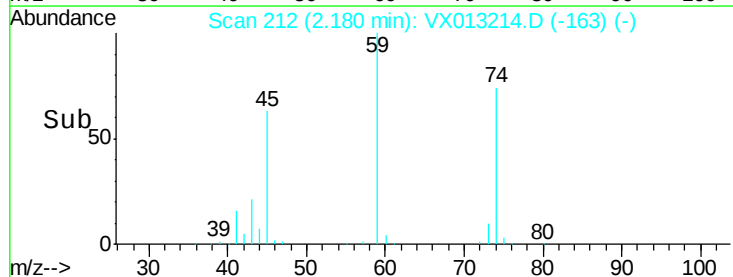
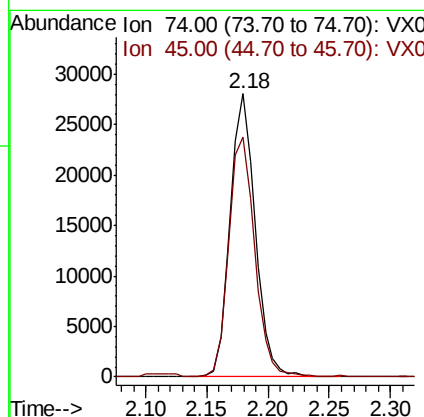
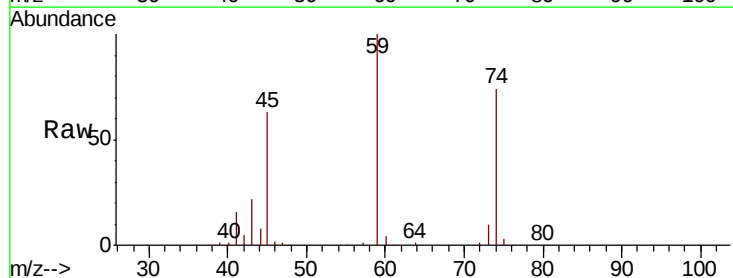
MMDadoda
 10/28/2019 12:53:40 PM

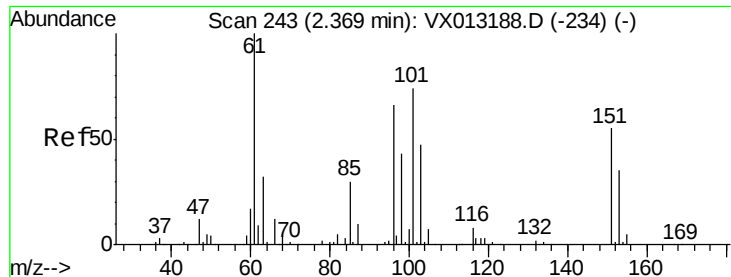


#8

Diethyl Ether
 Concen: 49.802 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		39760		
45	88.0	44.8	134.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.254 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

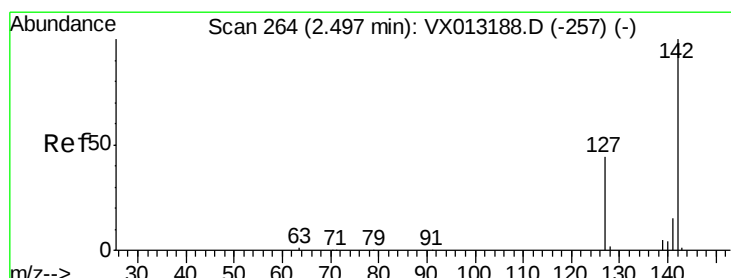
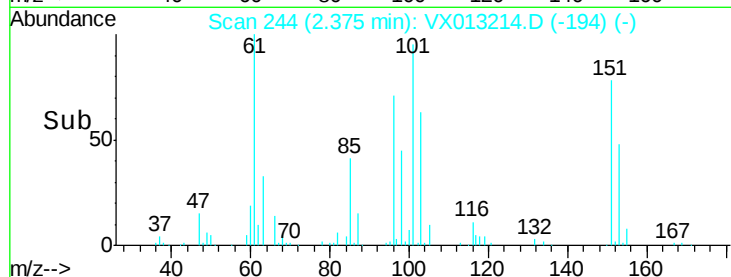
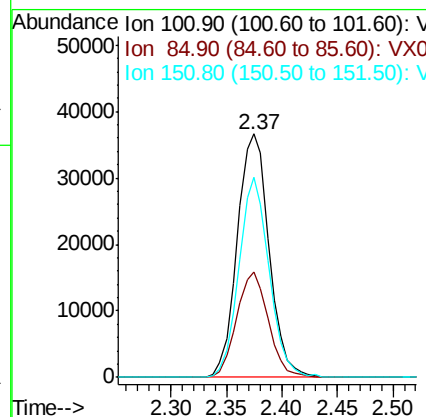
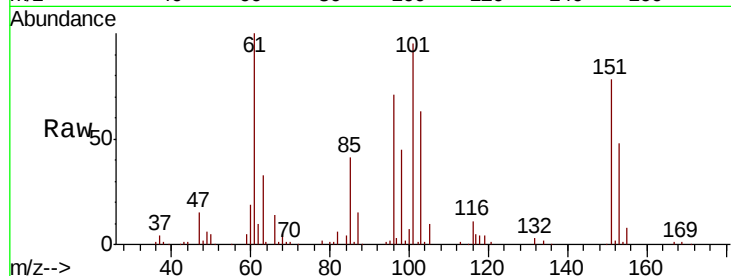
ClientSampleId :

S32-0670MS

Tot Ion:	101	Resp:	72447
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.0	51.0
151	78.2	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#10

Methyl Iodide

Concen: 39.356 ug/l

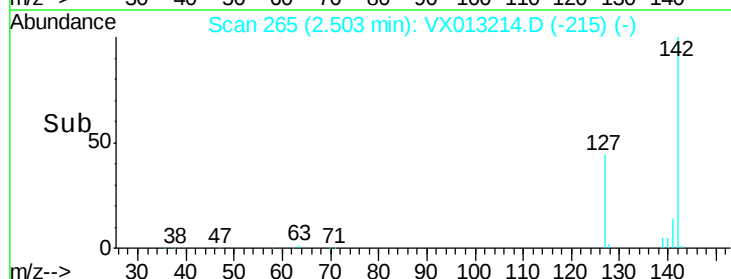
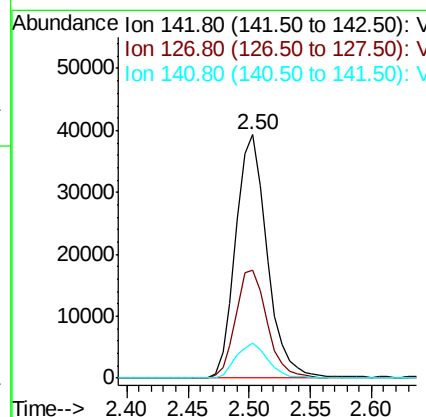
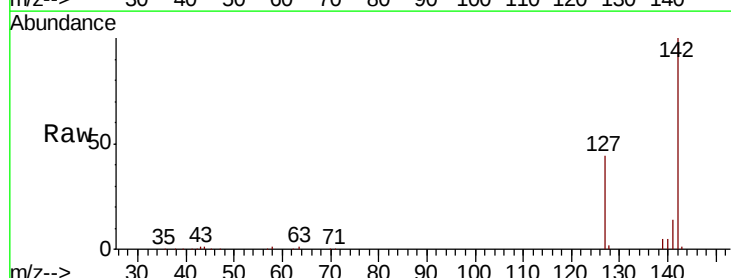
RT: 2.50 min Scan# 265

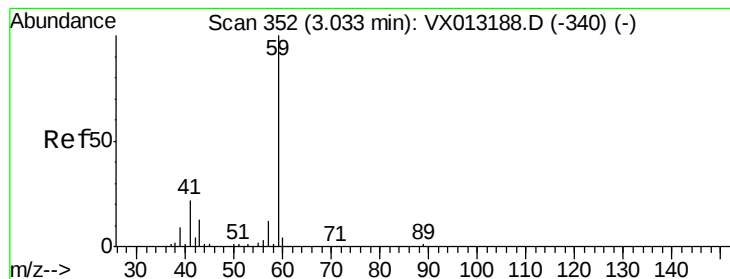
Delta R.T. 0.01 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion:	142	Resp:	70005
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.6	53.4
141	14.6	11.6	17.4





#11

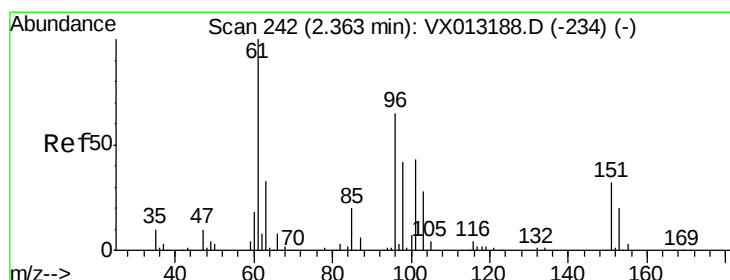
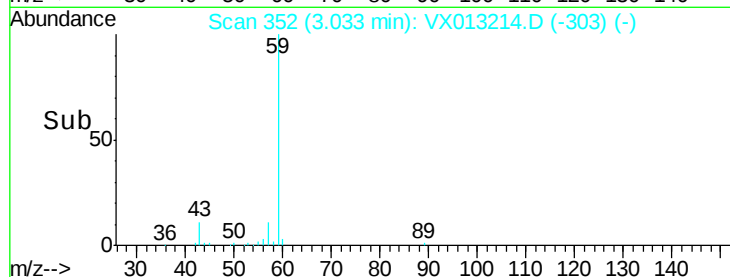
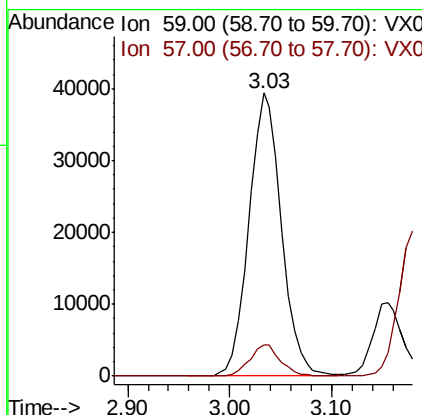
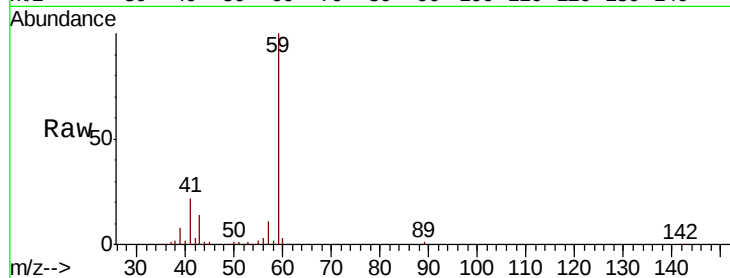
Tert butyl alcohol
Concen: 236.885 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion	59	Resp	87336
Ion Ratio	100	Lower	Upper
57	10.6	8.2	12.4

Manual Integrations
APPROVED

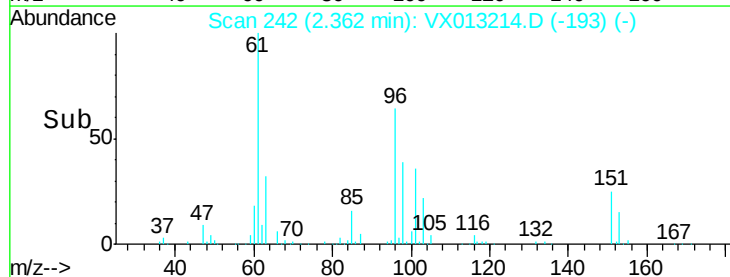
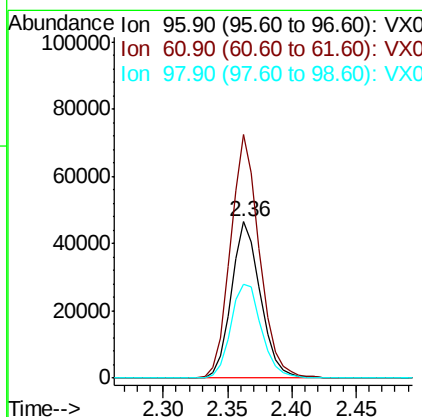
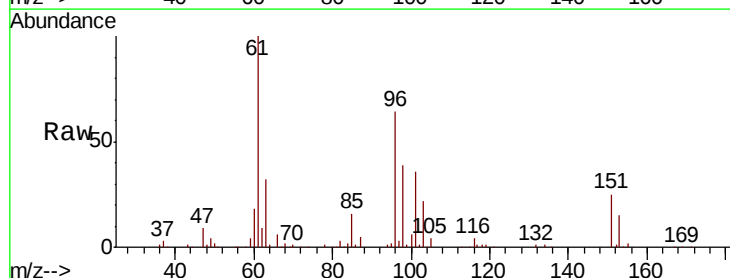
MMDadoda
10/28/2019 12:53:40 PM

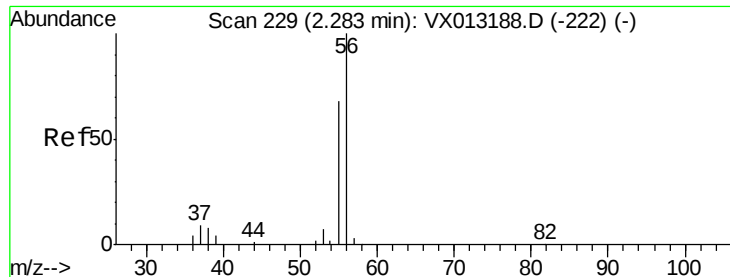


#12

1,1-Dichloroethene
Concen: 53.150 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion	96	Resp	73551
Ion Ratio	100	Lower	Upper
61	155.6	123.8	185.8
98	60.2	51.6	77.4





#13

Acrolein

Concen: 246.080 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

Tot Ion: 56 Resp: 49055

Ion Ratio Lower Upper

56 100

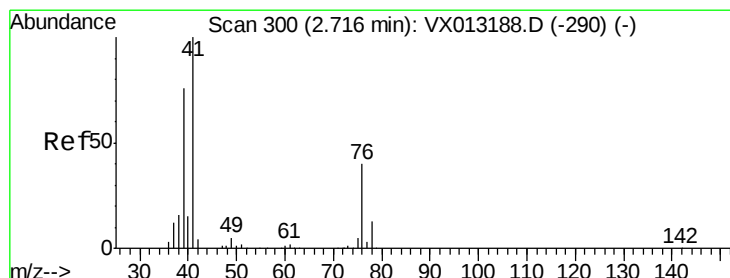
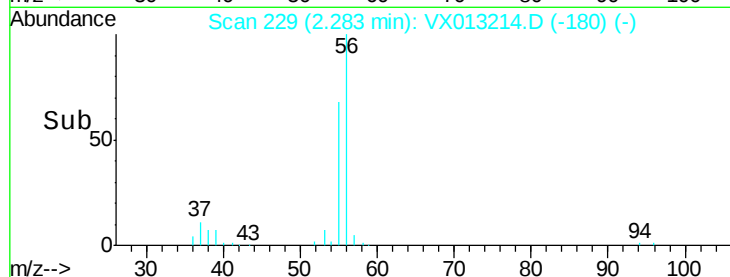
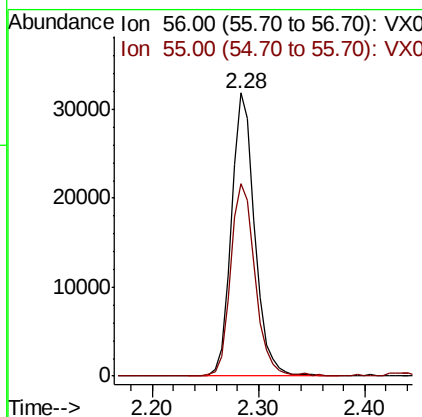
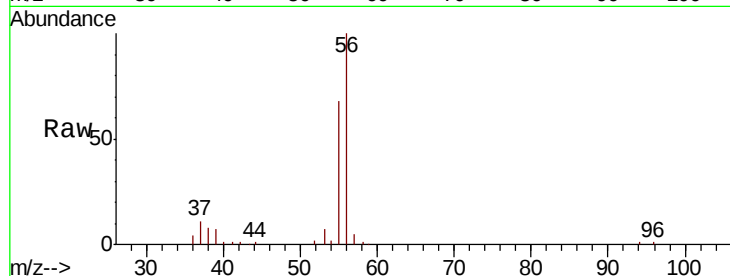
55 71.9 58.9 88.3

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:40 PM



#14

Allyl chloride

Concen: 48.445 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

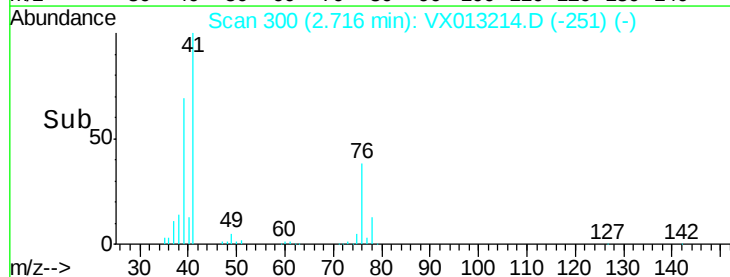
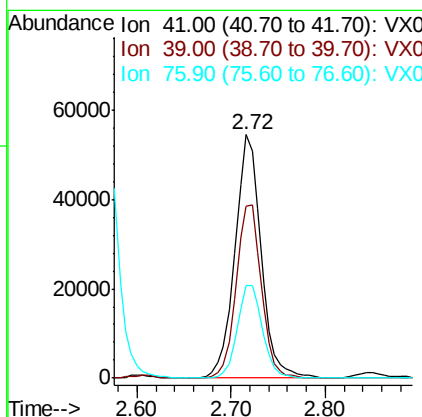
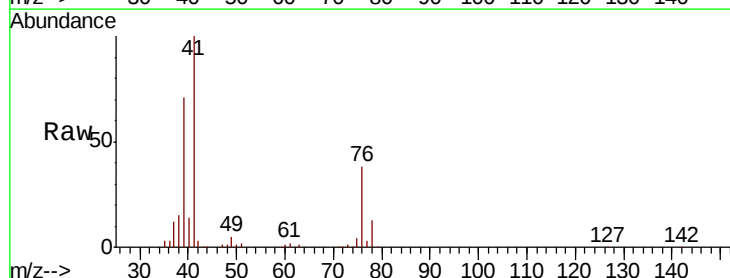
Tgt Ion: 41 Resp: 105542

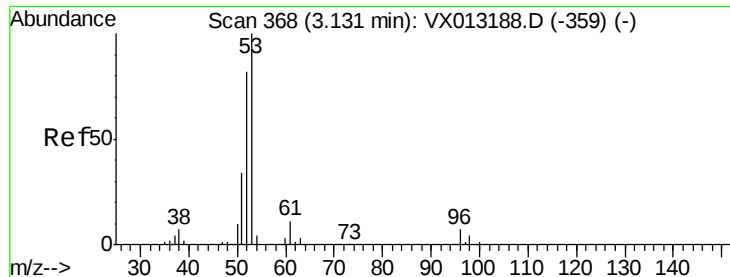
Ion Ratio Lower Upper

41 100

39 68.8 54.6 81.8

76 36.7 29.8 44.6





#15

Acrylonitrile

Concen: 250.067 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

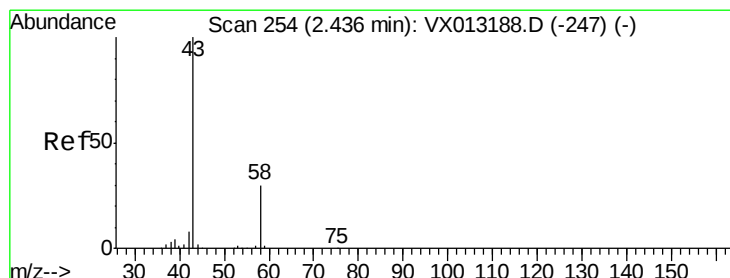
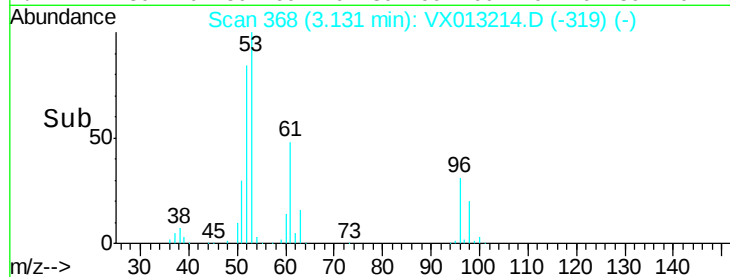
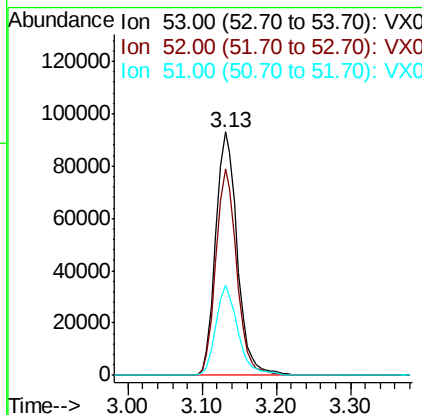
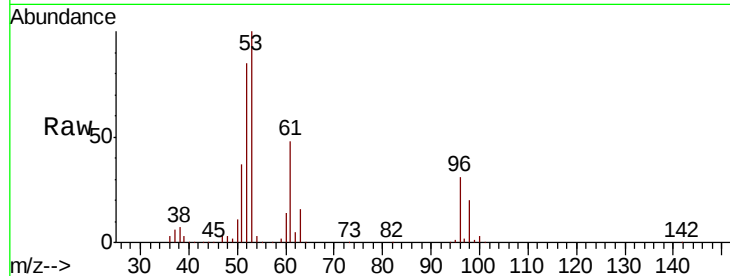
ClientSampleId :

S32-0670MS

Tot Ion:	53	Resp:	187278
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.4	99.6
51	37.7	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#16

Acetone

Concen: 215.573 ug/l

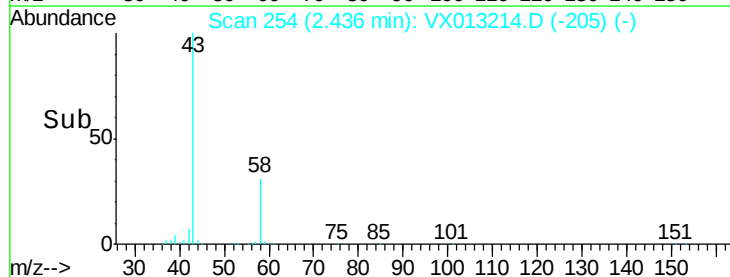
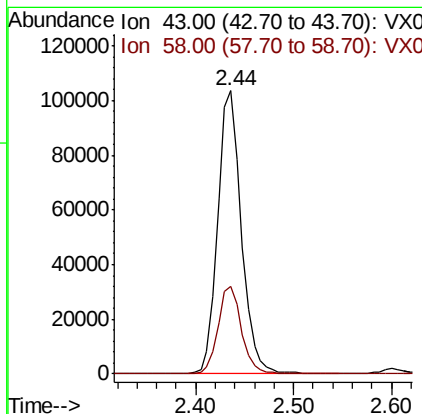
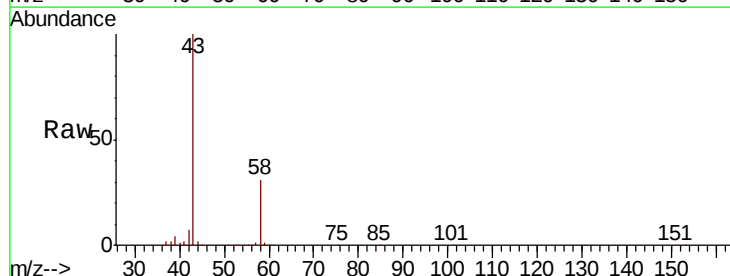
RT: 2.44 min Scan# 254

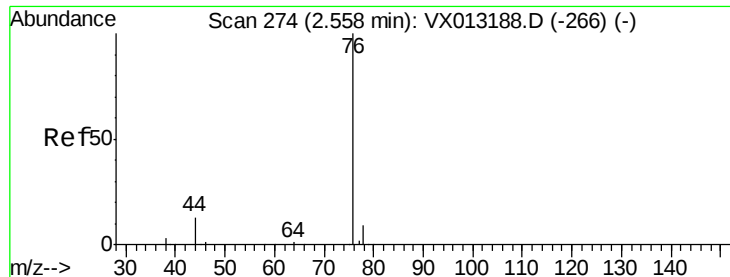
Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion:	43	Resp:	172559
Ion Ratio	Lower	Upper	
43	100		
58	31.1	23.8	35.6





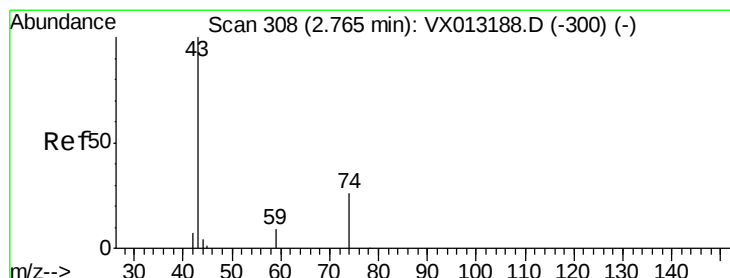
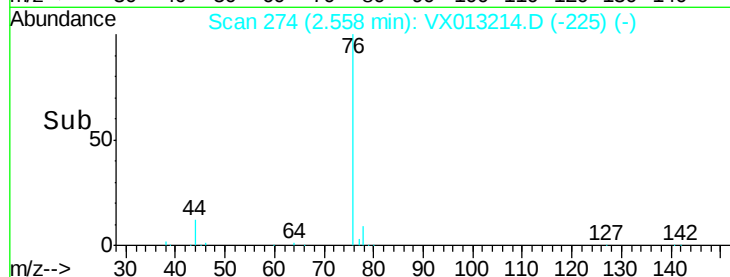
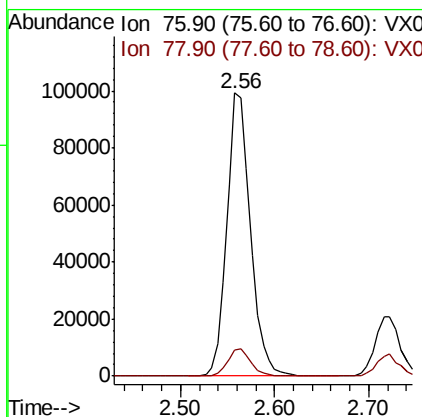
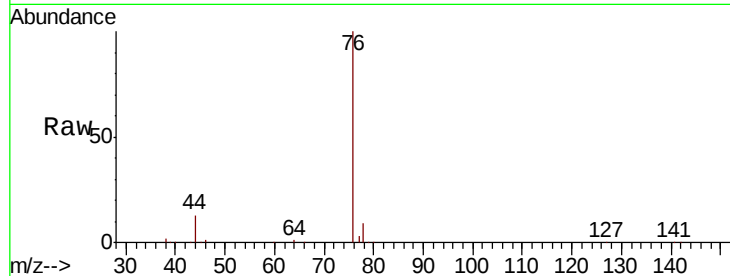
#17
Carbon Disulfide
Concen: 46.335 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

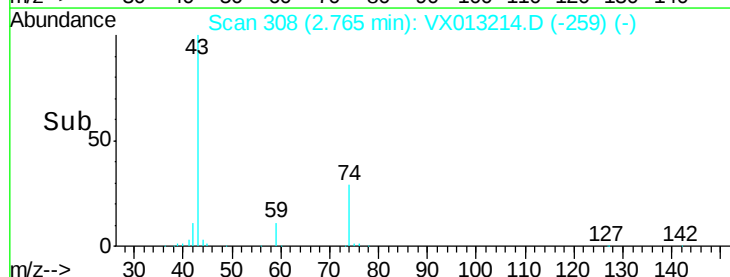
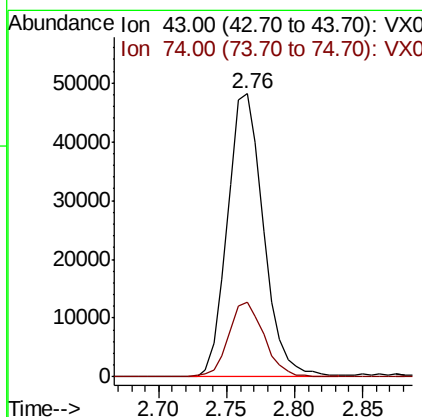
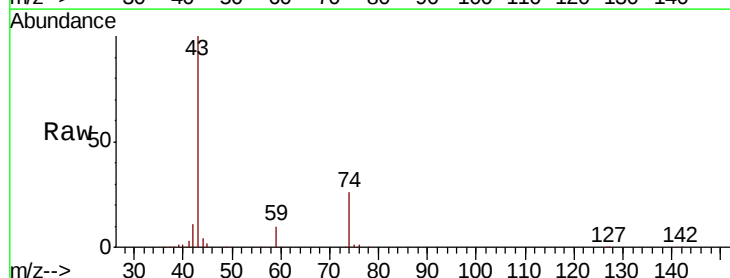
Manual Integrations
APPROVED

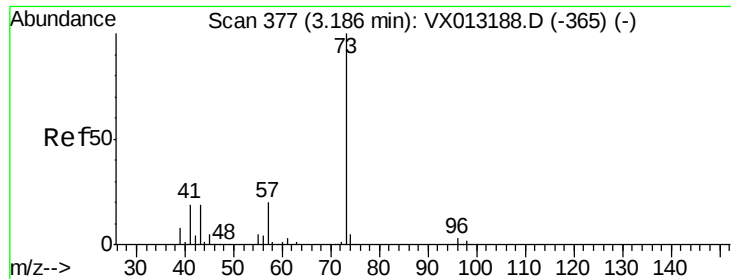
MMDadoda
10/28/2019 12:53:40 PM



#18
Methyl Acetate
Concen: 50.665 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	20.9	31.3





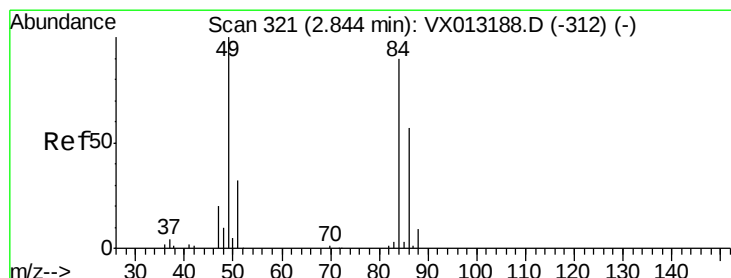
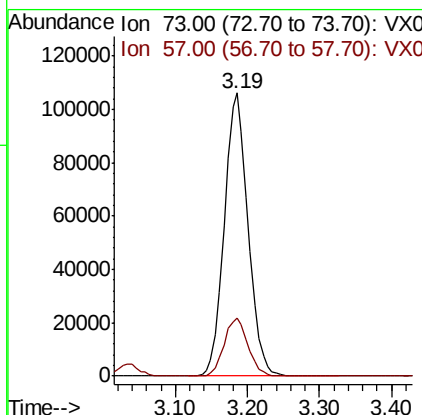
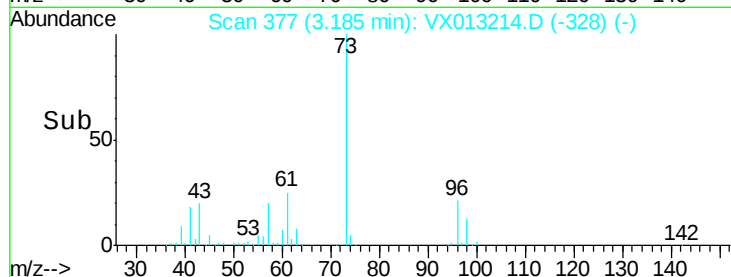
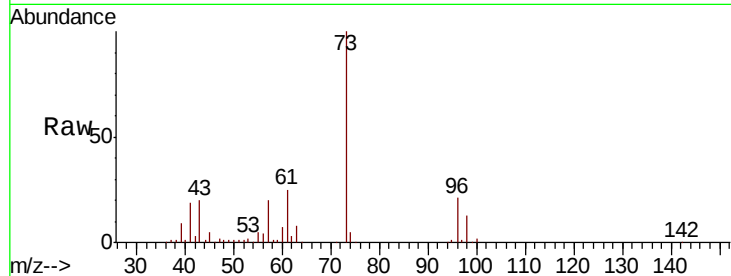
#19
Methvl tert-butvl Ether
Concen: 49.713 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	15.8	23.8

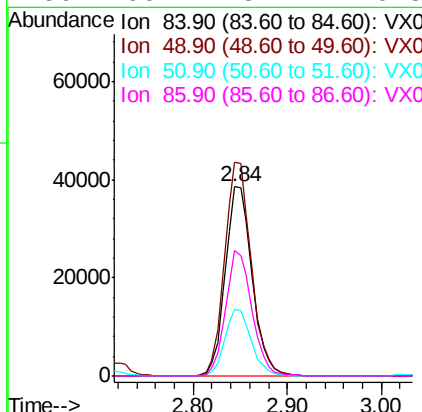
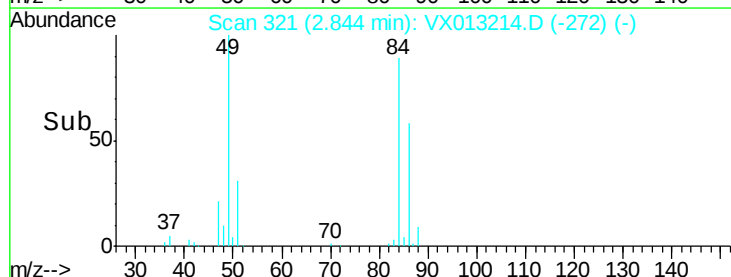
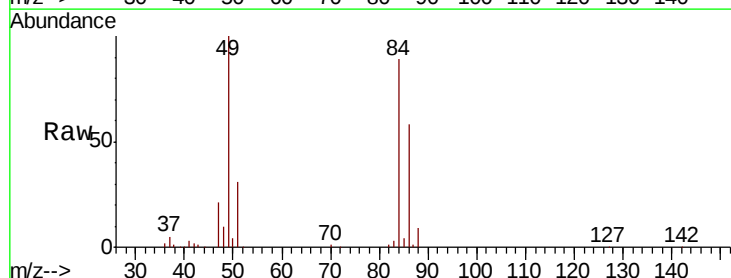
Manual Integrations
APPROVED

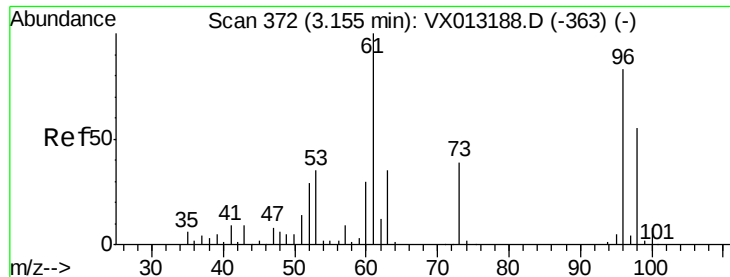
MMDadoda
10/28/2019 12:53:40 PM



#20
Methylene Chloride
Concen: 51.019 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.0	89.2	133.8
51	35.5	28.8	43.2
86	66.1	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 317.183 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

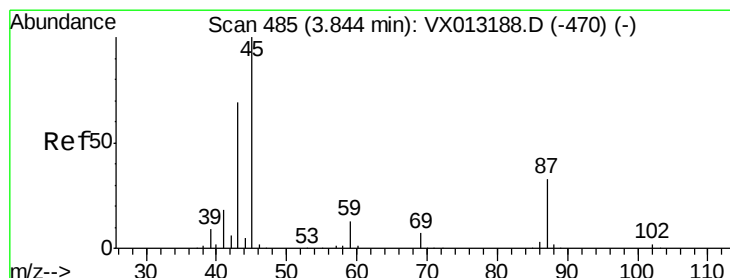
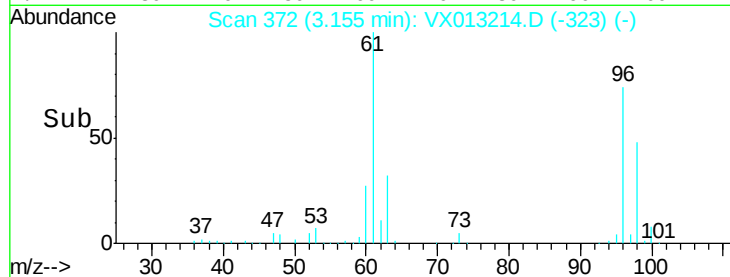
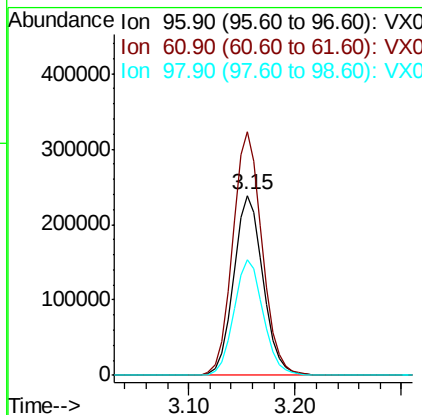
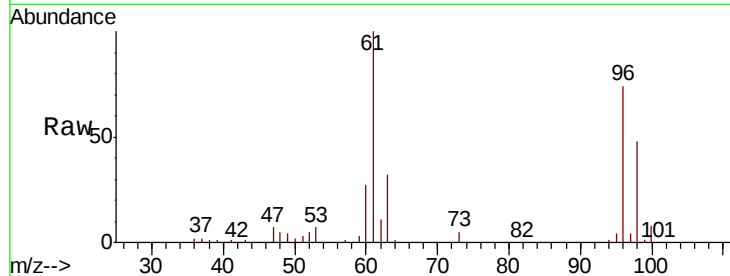
ClientSampleId :

S32-0670MS

Tot Ion:	96	Resp:	460394
Ion	Ratio	Lower	Upper
96	100		
61	135.5	96.9	145.3
98	64.6	53.0	79.4

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#22

Diisopropyl ether

Concen: 49.077 ug/l

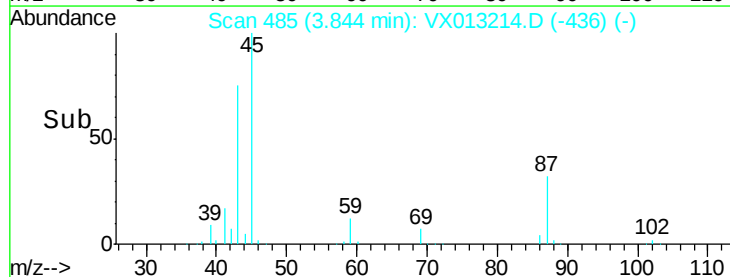
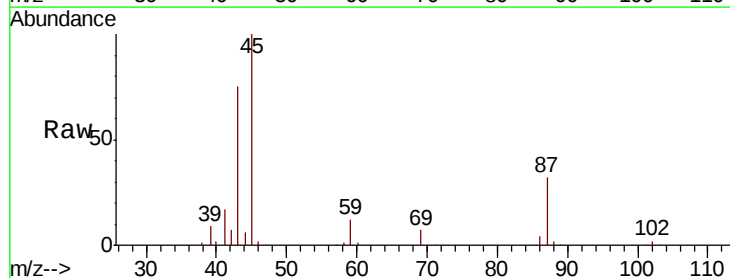
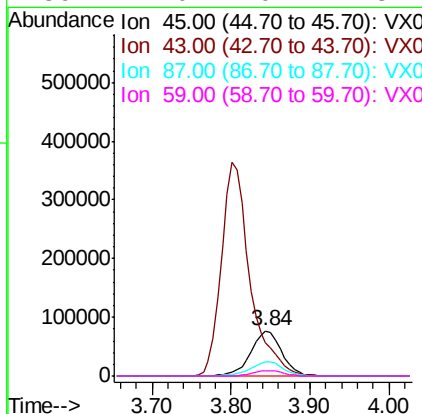
RT: 3.84 min Scan# 485

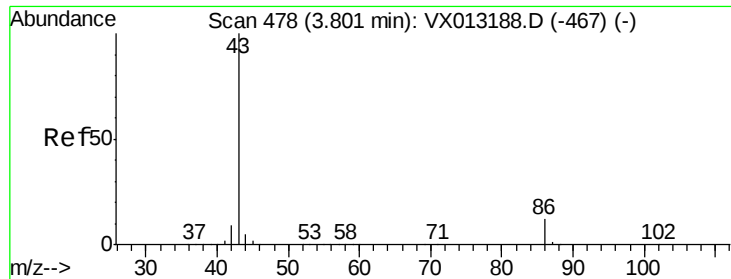
Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion:	45	Resp:	209060
Ion	Ratio	Lower	Upper
45	100		
43	75.2	55.5	83.3
87	31.5	26.7	40.1
59	12.0	10.2	15.2





#23

Vinyl Acetate

Concen: 255.496 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

S32-0670MS

Tot Ion: 43 Resp: 925062

Ion Ratio Lower Upper

43 100

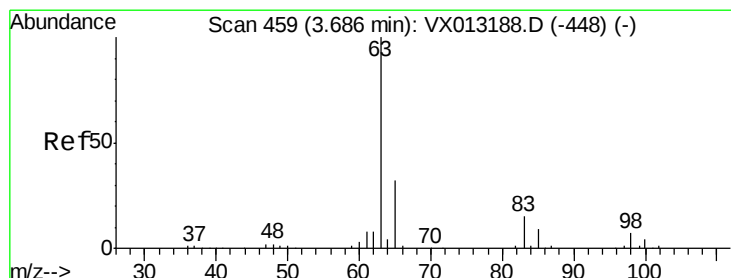
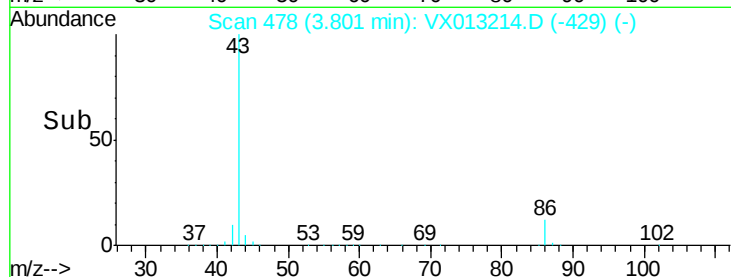
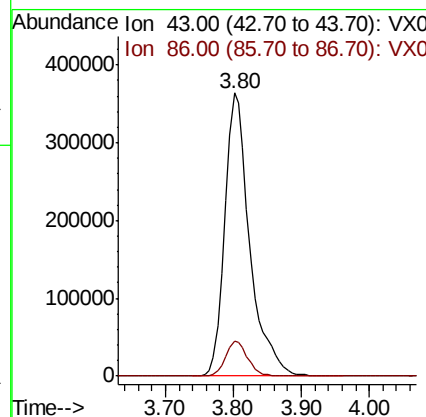
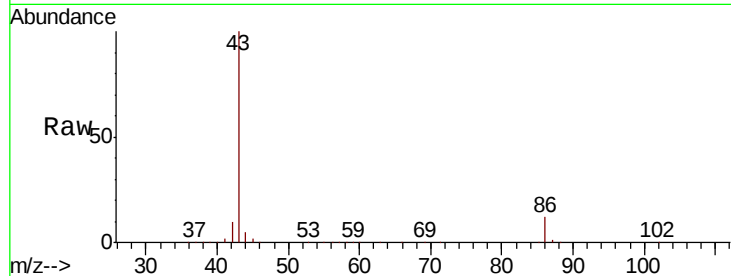
86 12.4 9.7 14.5

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:40 PM



#24

1,1-Dichloroethane

Concen: 49.364 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

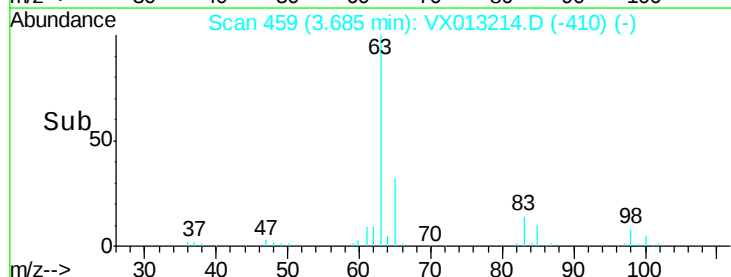
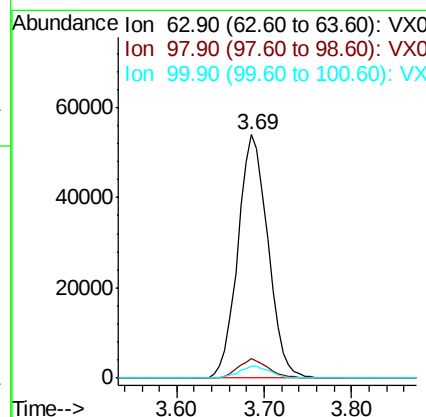
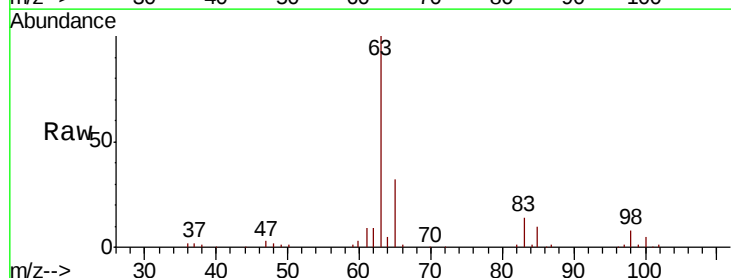
Tgt Ion: 63 Resp: 129341

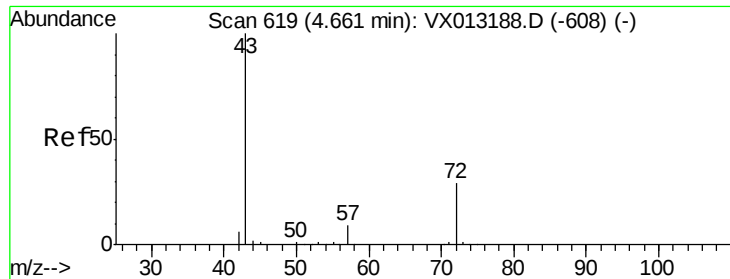
Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.2

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 236.164 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

S32-0670MS

Tot Ion: 43 Resp: 253524

Ion Ratio Lower Upper

43 100

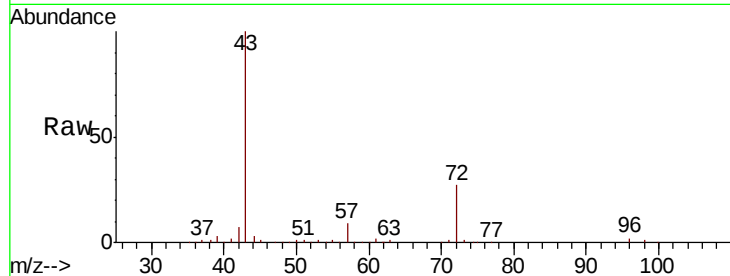
72 27.2 23.4 35.2

Manual Integrations

APPROVED

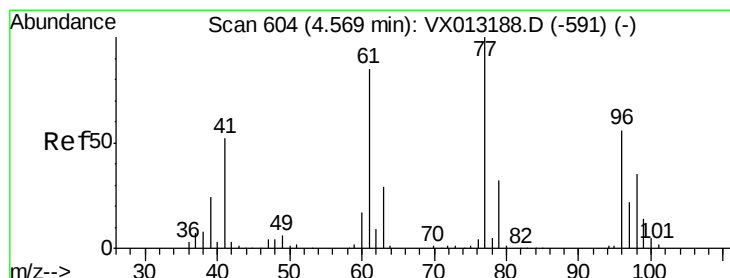
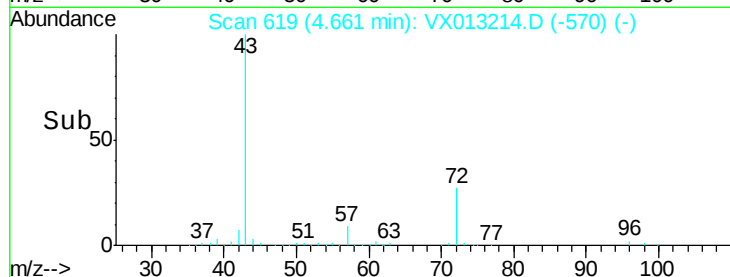
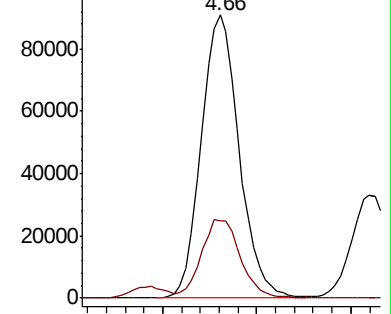
MMDadoda

10/28/2019 12:53:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 48.892 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013214.D

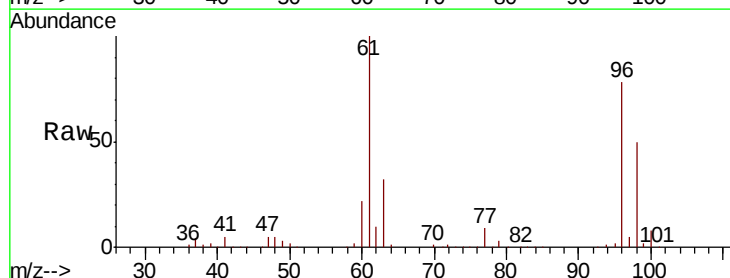
Acq: 24 Oct 2019 16:15

Tgt Ion: 77 Resp: 118394

Ion Ratio Lower Upper

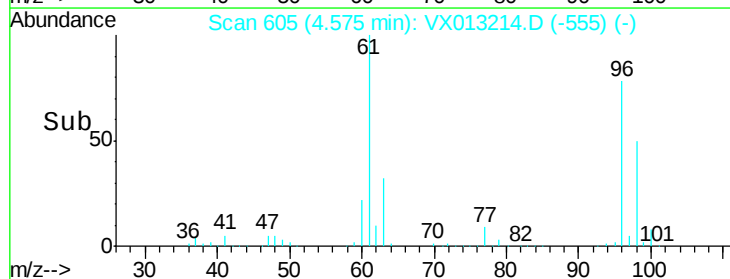
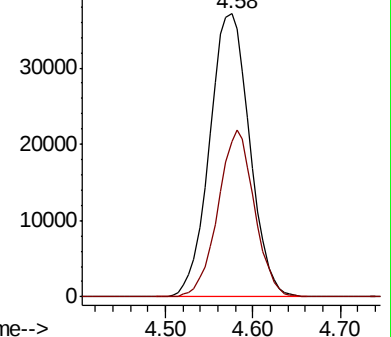
77 100

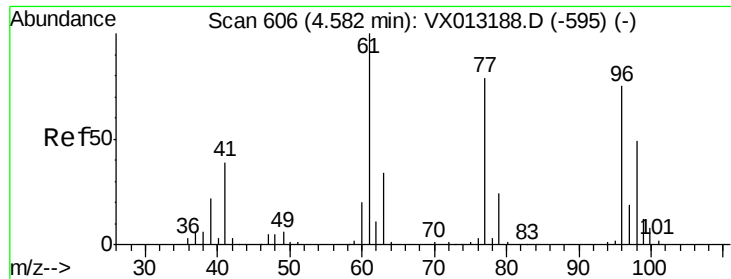
97 53.5 10.9 32.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

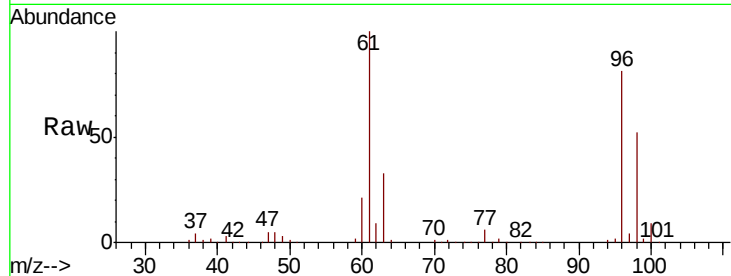
cis-1,2-Dichloroethene
Concen: 629.167 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

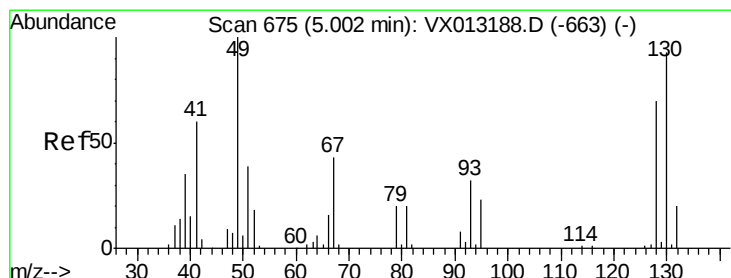
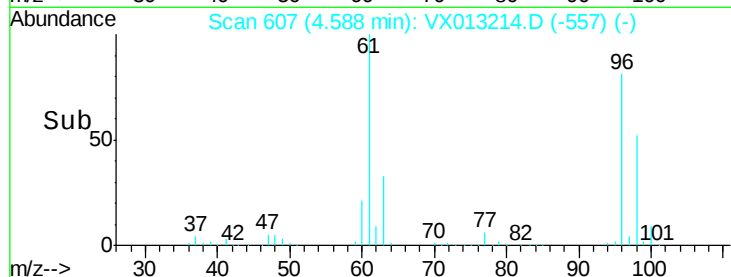
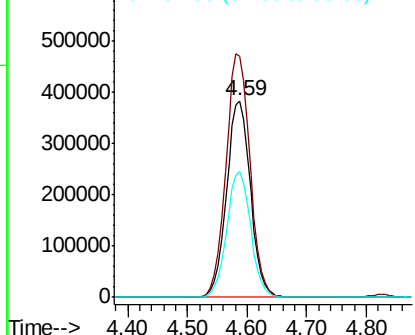
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.2	0.0	290.4
98	64.5	0.0	130.4

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



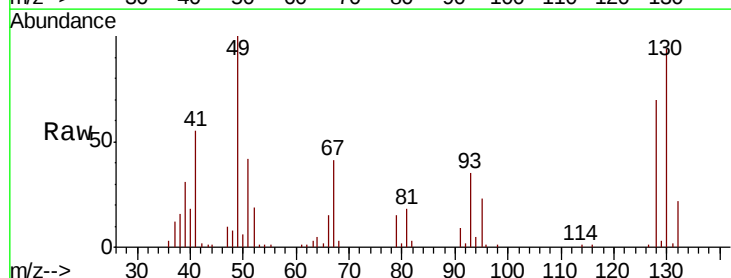
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



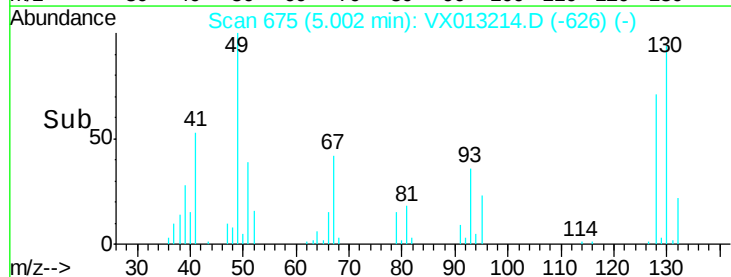
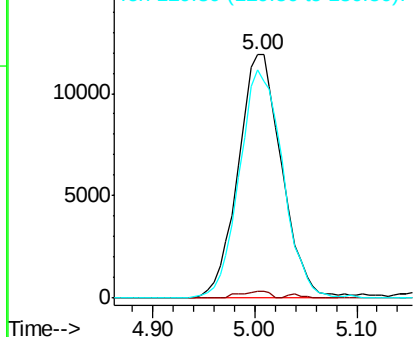
#28

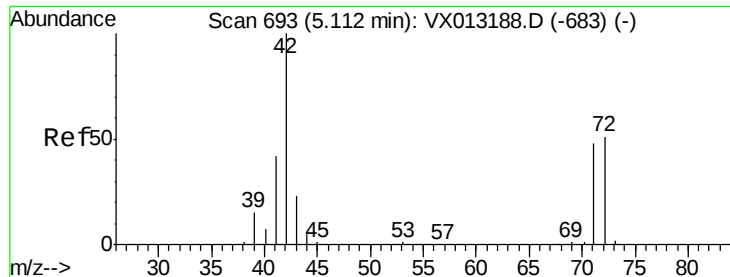
Bromochloromethane
Concen: 52.343 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.8
130	93.3	71.8	107.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





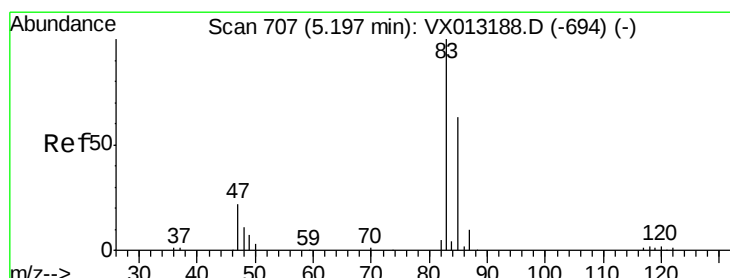
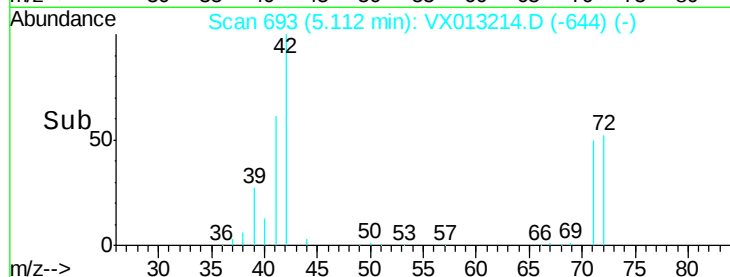
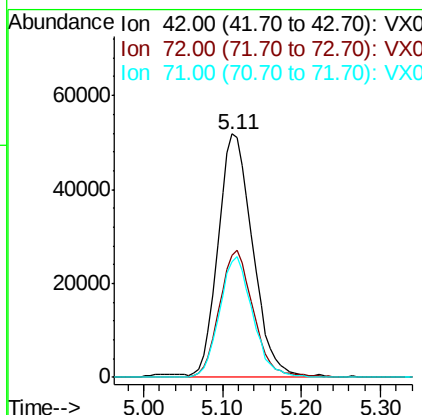
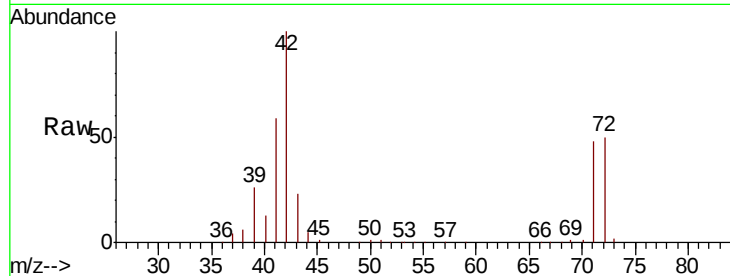
#29
Tetrahydrofuran
Concen: 243.584 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.4	40.9	61.3
71	47.3	38.6	57.8

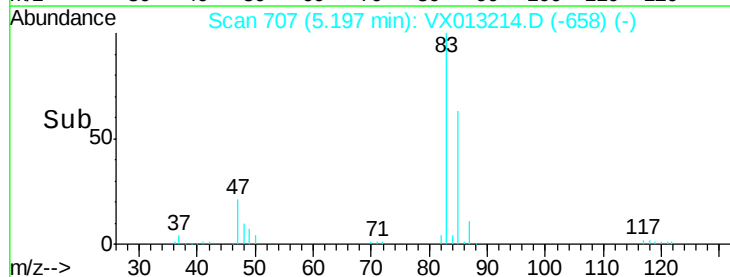
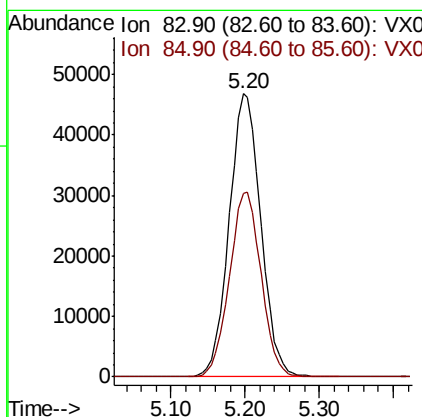
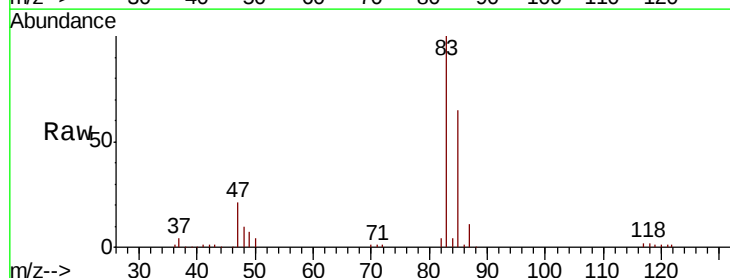
Manual Integrations
APPROVED

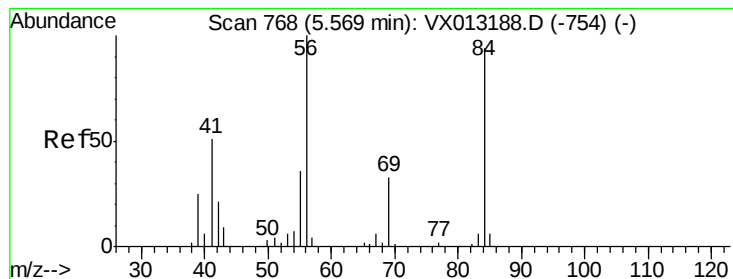
MMDadoda
10/28/2019 12:53:40 PM



#30
Chloroform
Concen: 49.991 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.1	75.1





#31

Cyclohexane

Concen: 50.347 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

Tot Ion: 56 Resp: 110630

Ion Ratio Lower Upper

56 100

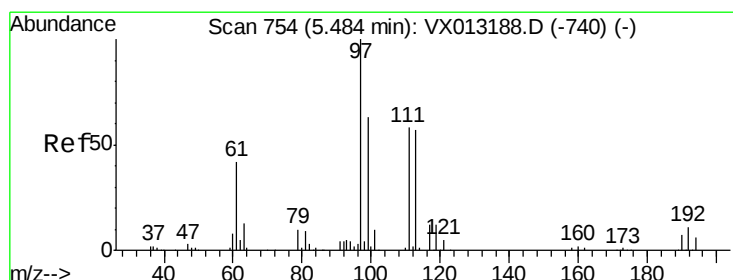
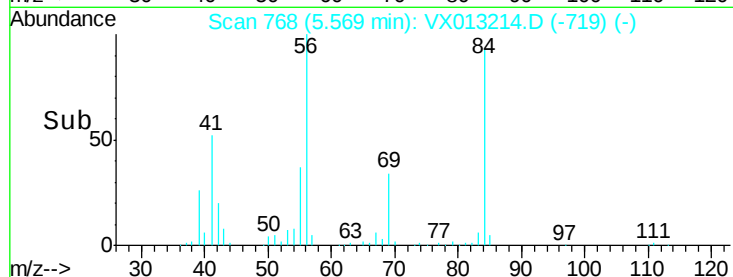
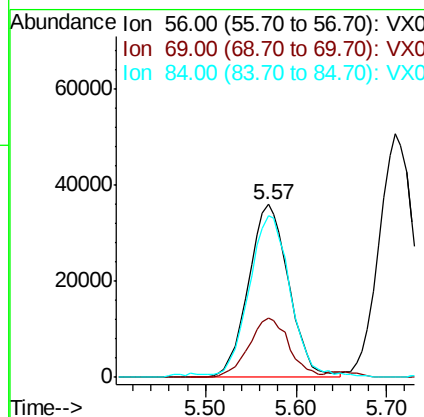
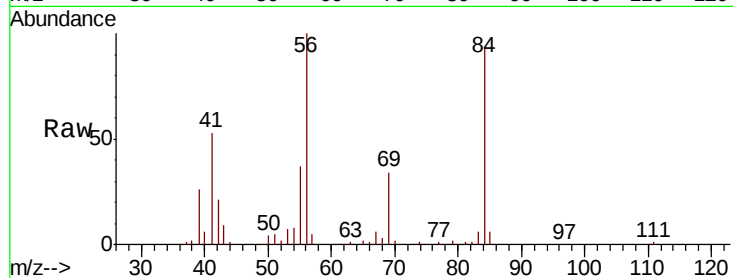
69 34.0 26.3 39.5

84 91.0 73.8 110.6

Manual Integrations
APPROVED

MMDadoda

10/28/2019 12:53:40 PM



#32

1,1,1-Trichloroethane

Concen: 51.465 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

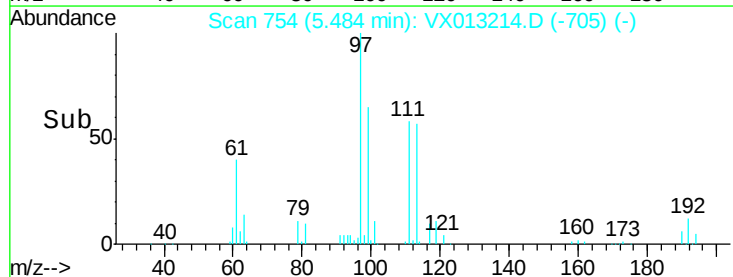
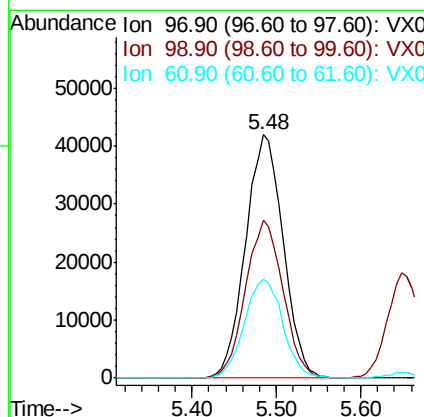
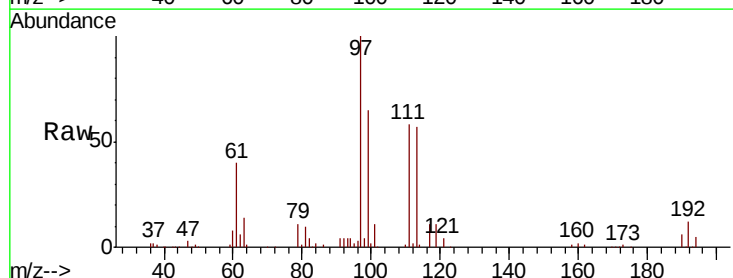
Tgt Ion: 97 Resp: 127656

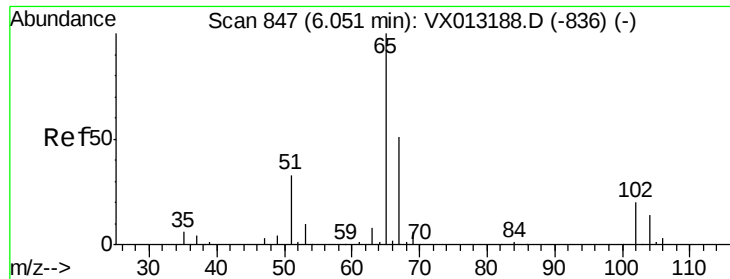
Ion Ratio Lower Upper

97 100

99 64.3 50.8 76.2

61 41.4 32.8 49.2





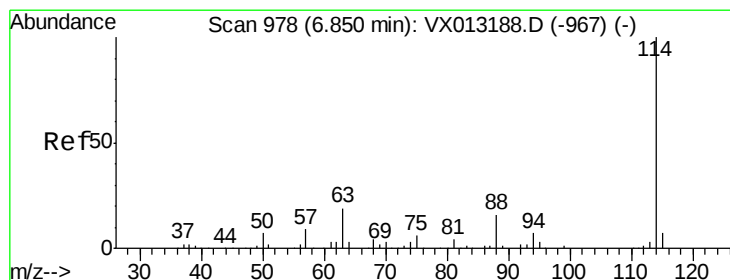
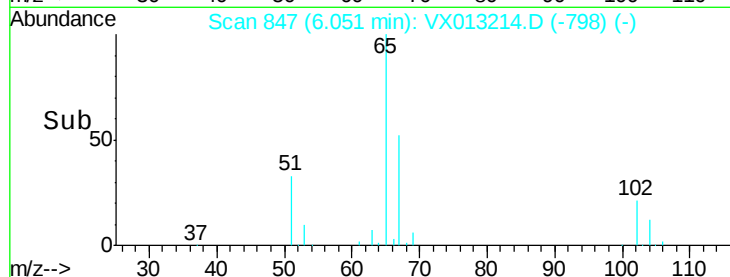
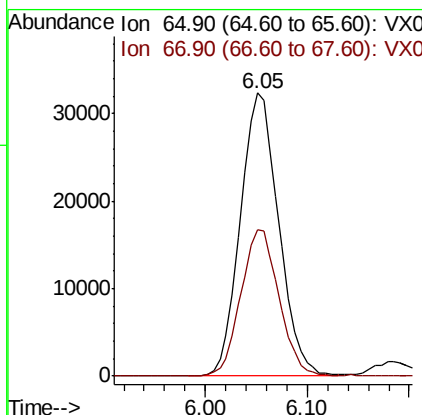
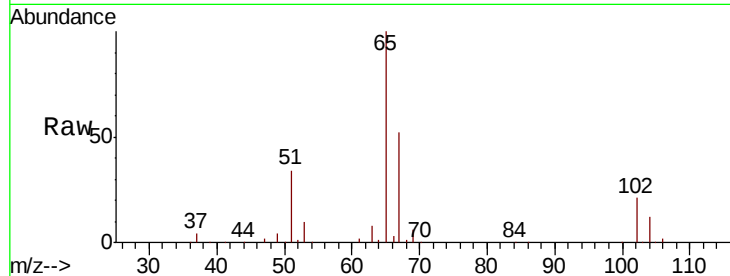
#33
 1,2-Dichloroethane-d4
 Concen: 49.832 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	84668		
67	51.5	0.0	102.6	

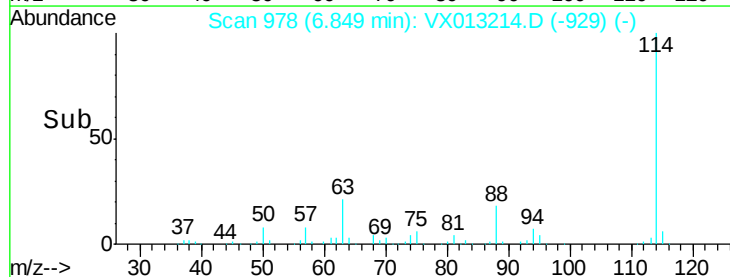
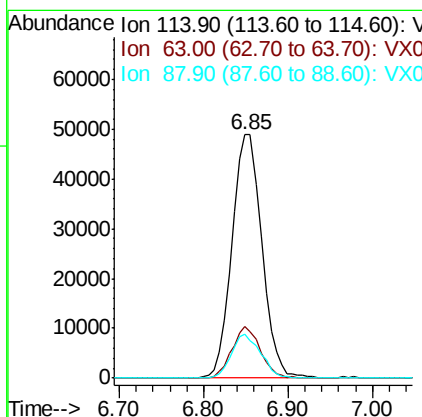
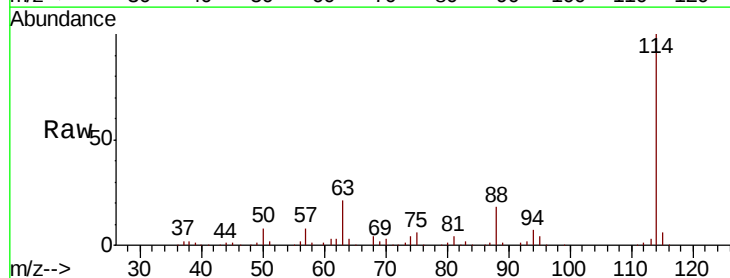
Manual Integrations
 APPROVED

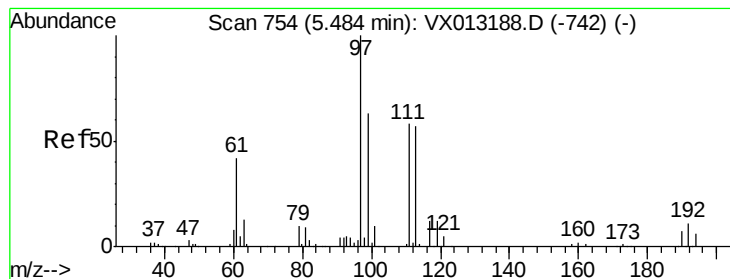
MMDadoda
 10/28/2019 12:53:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	117522		
63	21.4	0.0	39.0	
88	17.9	0.0	32.0	





#35

Dibromofluoromethane

Concen: 52.167 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

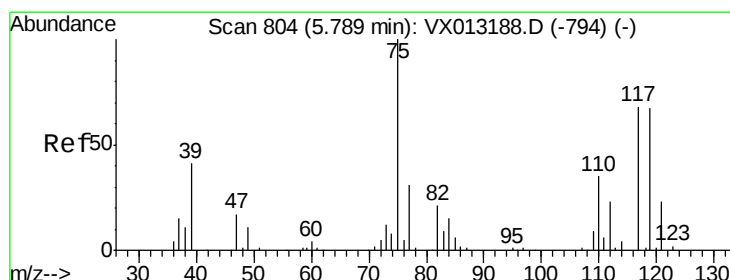
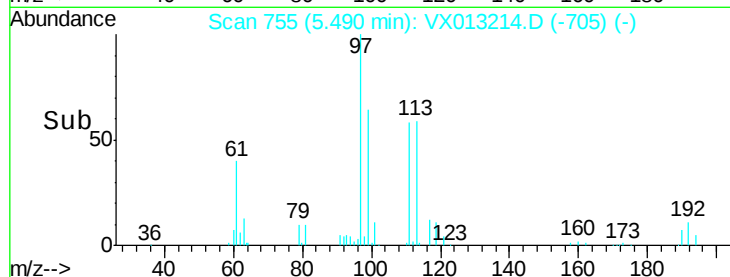
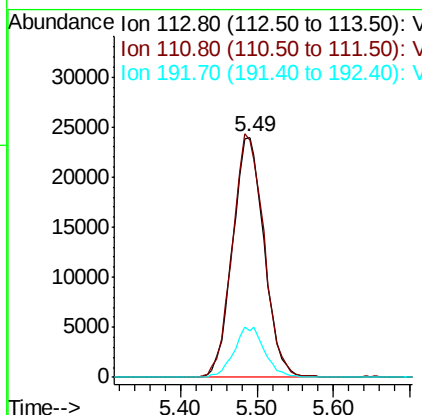
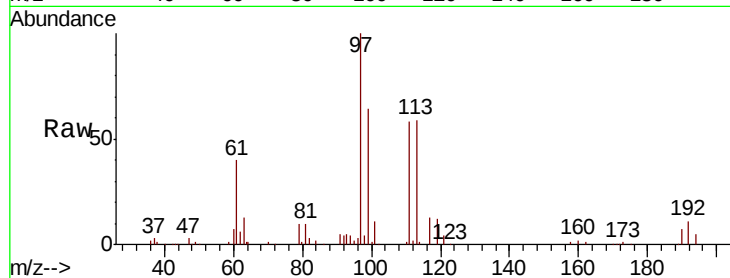
ClientSampleId :

S32-0670MS

Tot Ion:	113	Resp:	68367
Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.3	120.5
192	20.2	15.9	23.9

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#36

1,1-Dichloropropene

Concen: 52.803 ug/l

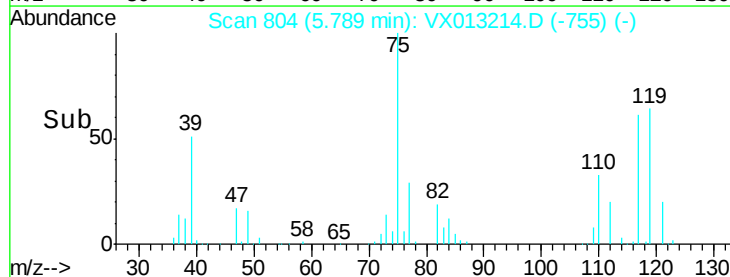
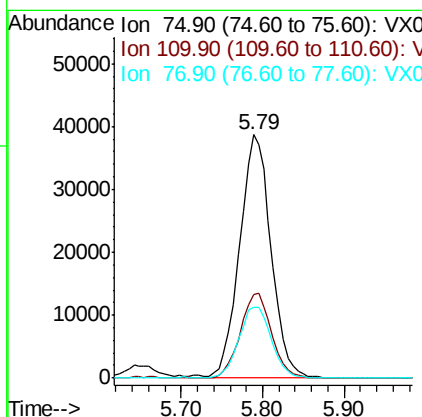
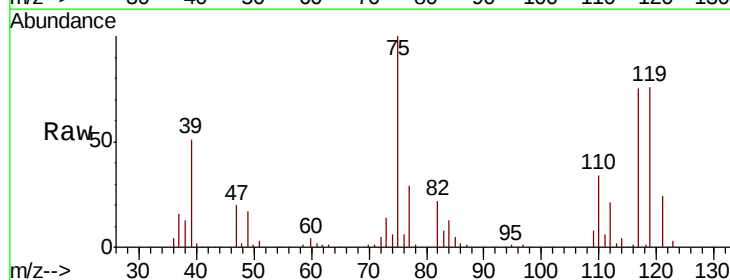
RT: 5.79 min Scan# 804

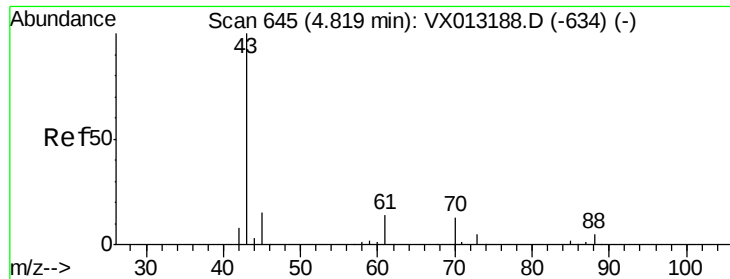
Delta R.T. 0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion:	75	Resp:	103866
Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.6	52.9
77	30.3	24.7	37.1





#37

Ethyl Acetate

Concen: 49.495 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

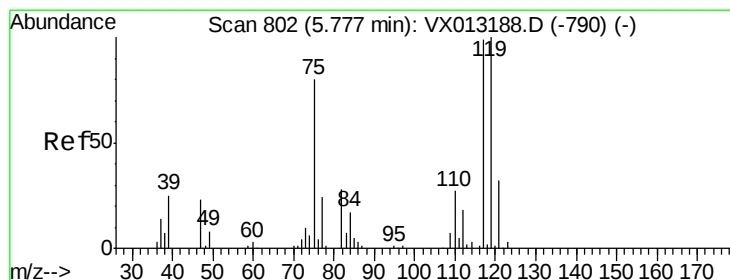
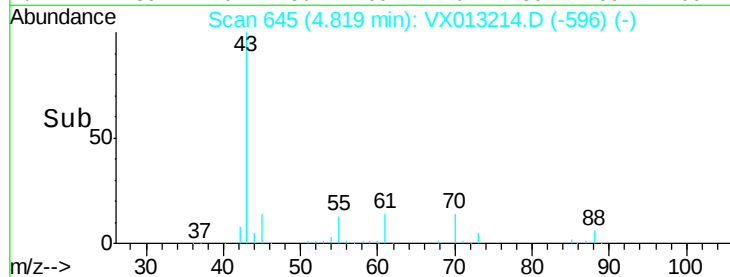
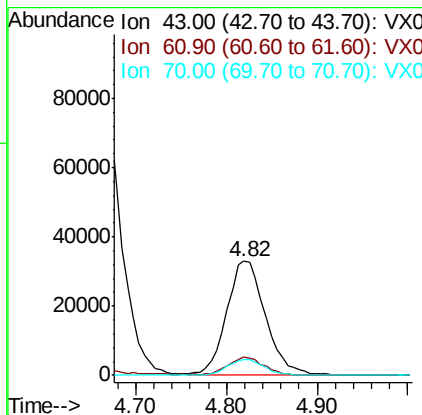
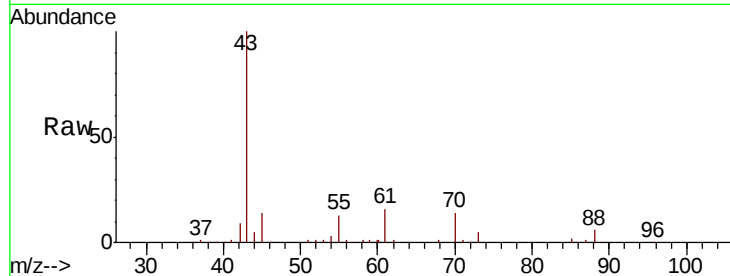
ClientSampleId :

S32-0670MS

Tot Ion:	43	Resp:	96931
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	13.3	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#38

Carbon Tetrachloride

Concen: 50.483 ug/l

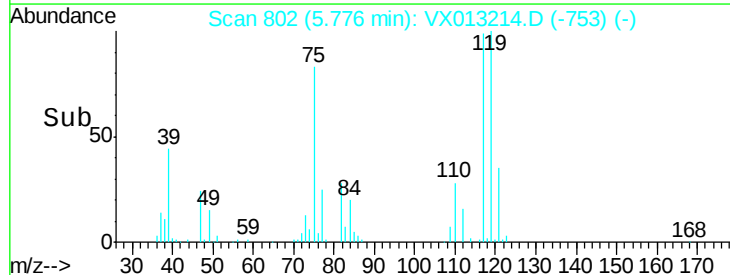
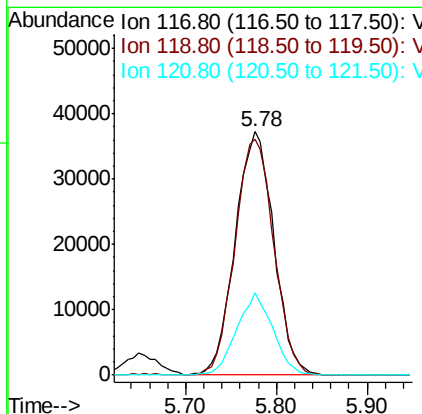
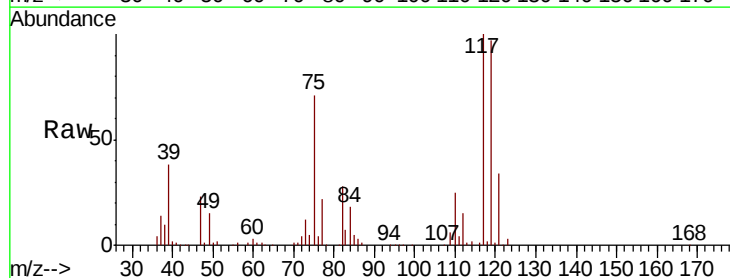
RT: 5.78 min Scan# 802

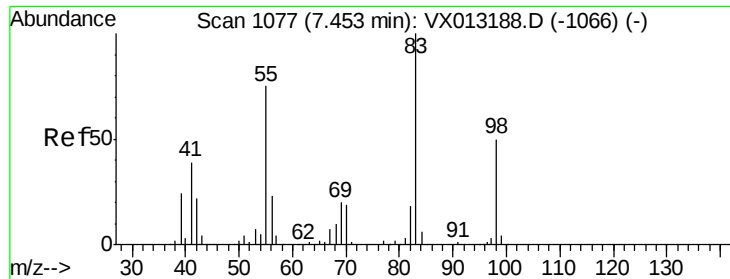
Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion:	117	Resp:	109661
Ion	Ratio	Lower	Upper
117	100		
119	97.2	80.1	120.1
121	33.6	25.5	38.3





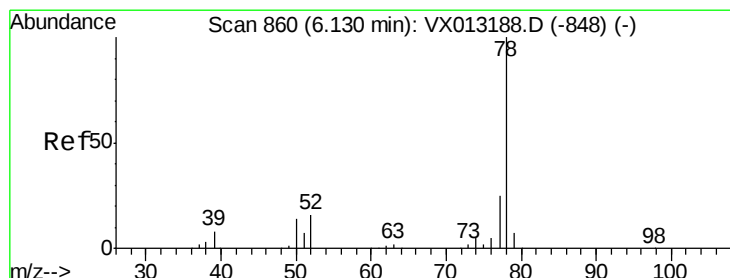
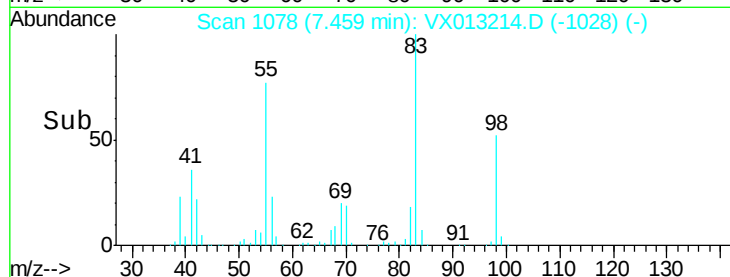
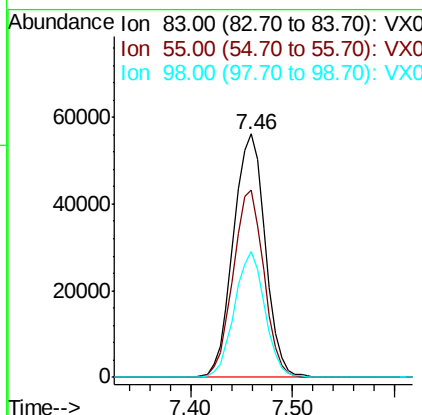
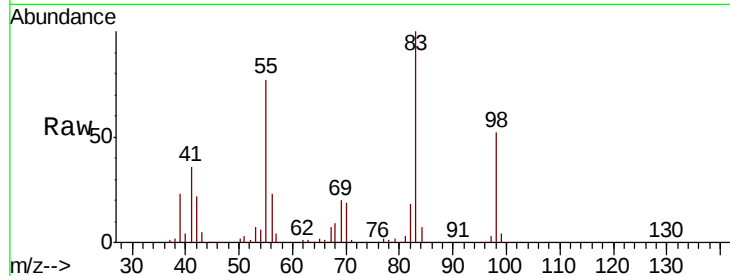
#39
Methvlcvclohexane
Concen: 48.312 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion	83.00	Resp	121548
Ion	Ratio	Lower	Upper
83	100		
55	76.7	60.1	90.1
98	51.6	39.8	59.8

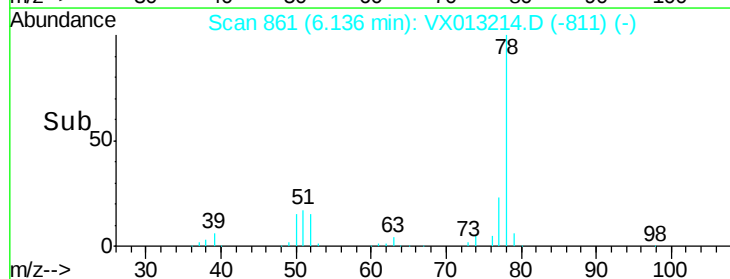
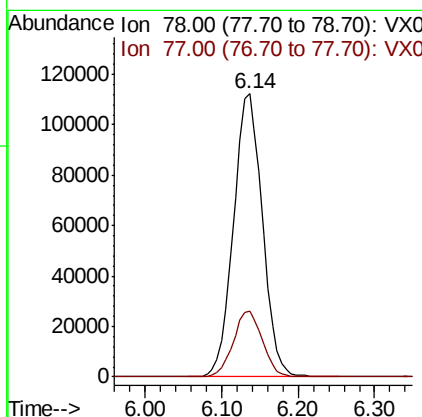
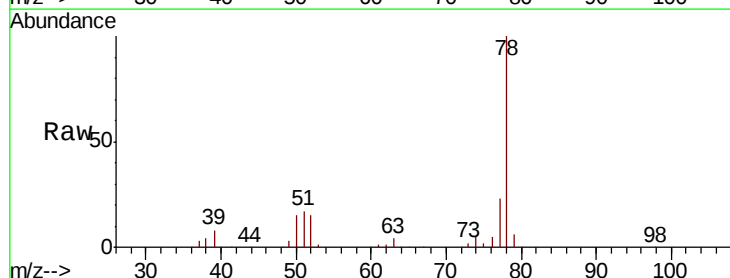
Manual Integrations
APPROVED

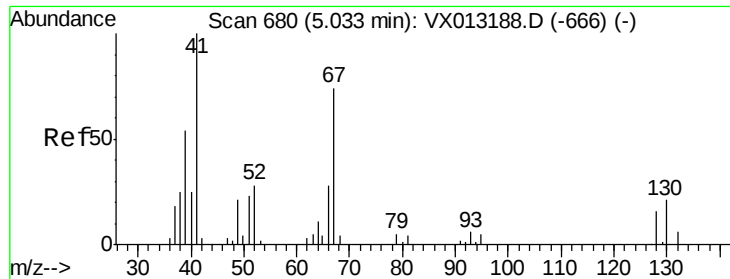
MMDadoda
10/28/2019 12:53:40 PM



#40
Benzene
Concen: 49.698 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion	78.00	Resp	293368
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.6	29.4





#41

Methacrylonitrile

Concen: 51.888 ug/l

RT: 5.03 min Scan# 680

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

Tot Ion: 41 Resp: 54481

Ion Ratio Lower Upper

41 100

39 55.3 45.2 67.8

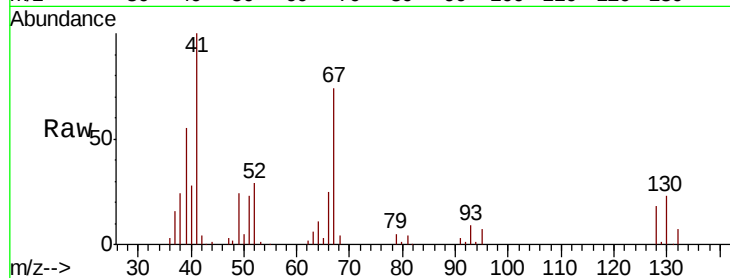
67 75.7 61.3 91.9

52 32.0 25.1 37.7

Manual Integrations
APPROVED

MMDadoda

10/28/2019 12:53:40 PM

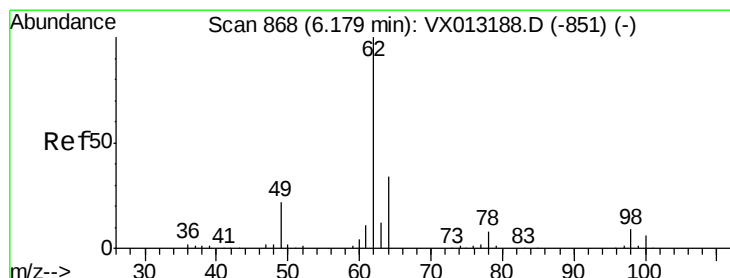
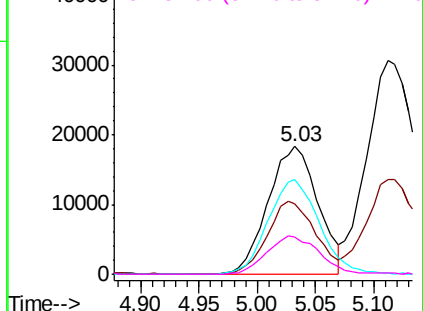
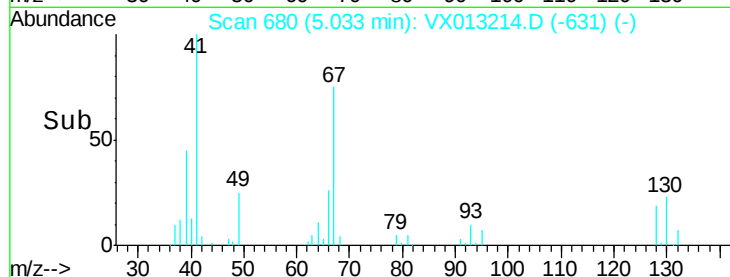


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 51.991 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX013214.D

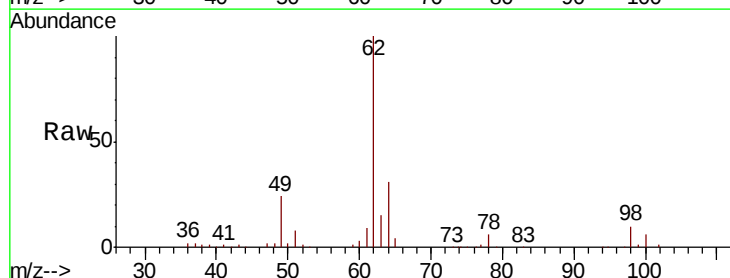
Acq: 24 Oct 2019 16:15

Tgt Ion: 62 Resp: 115713

Ion Ratio Lower Upper

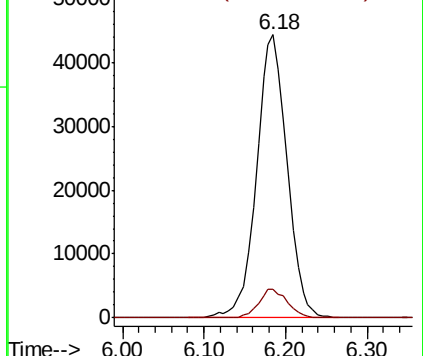
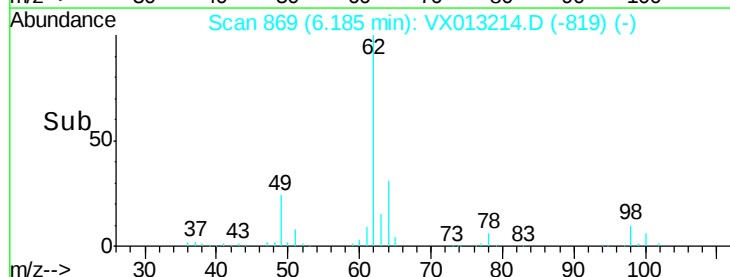
62 100

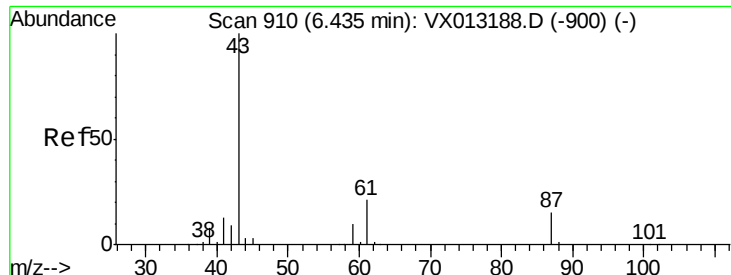
98 9.5 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.271 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

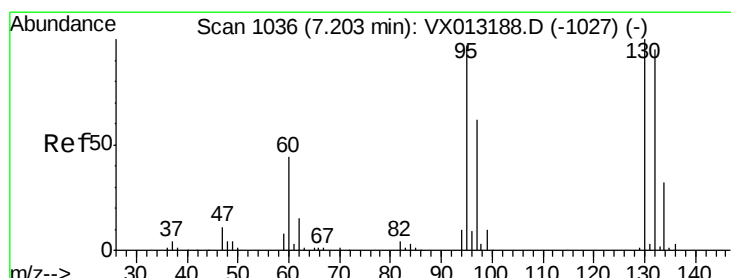
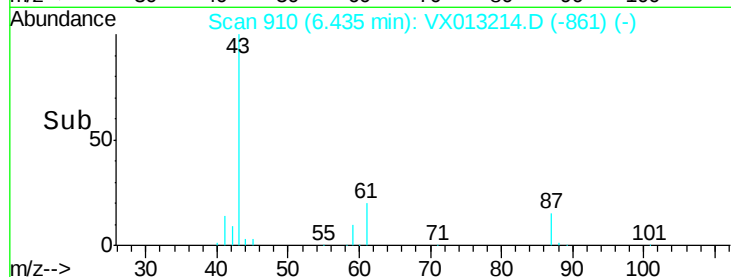
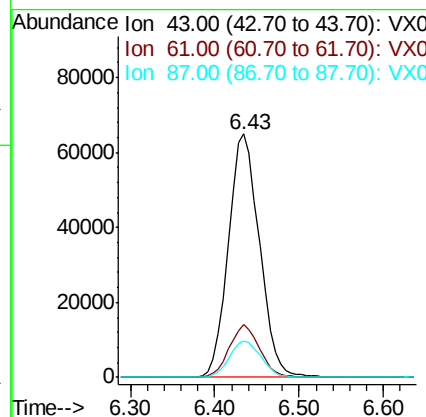
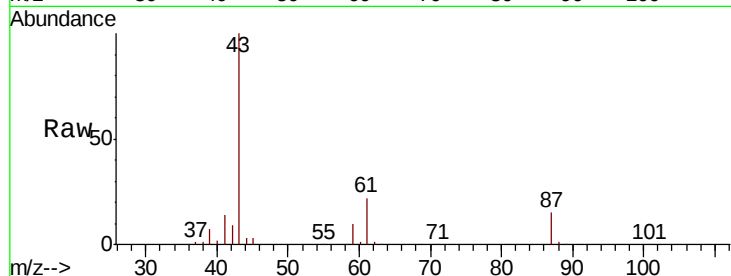
ClientSampleId :

S32-0670MS

Tot Ion:	43	Resp:	163461
Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	15.3	12.1	18.1

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#44

Trichloroethene

Concen: 1412.841 ug/l

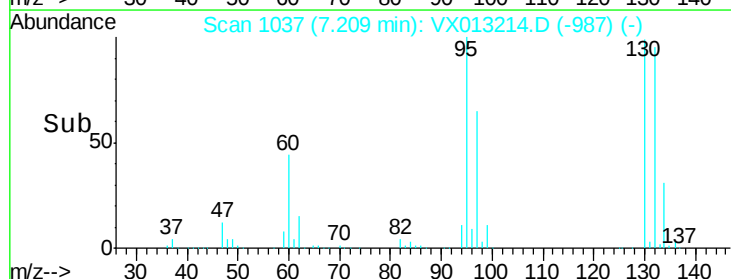
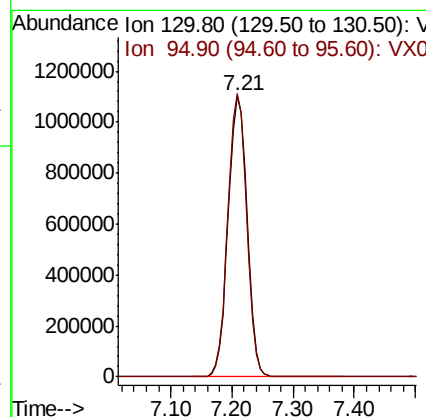
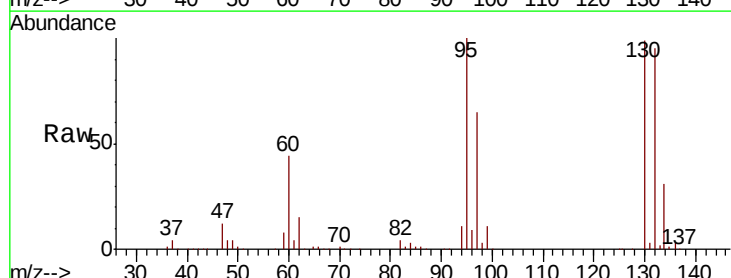
RT: 7.21 min Scan# 1037

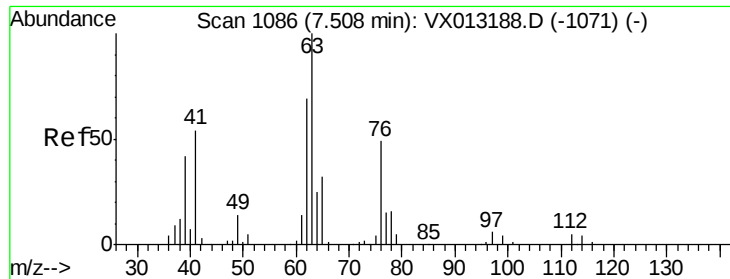
Delta R.T. 0.01 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion:	130	Resp:	2367004
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	193.6





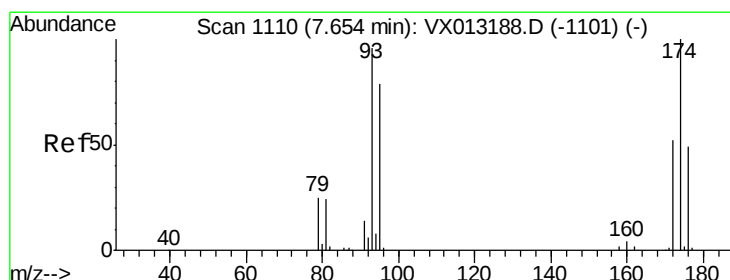
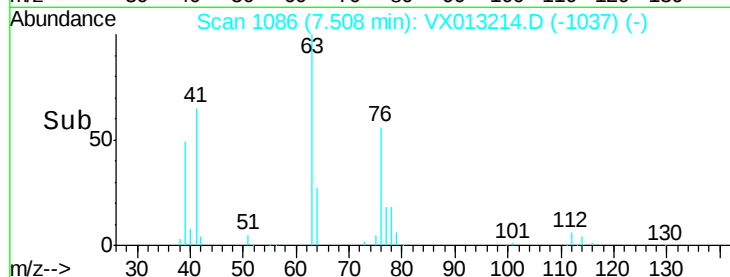
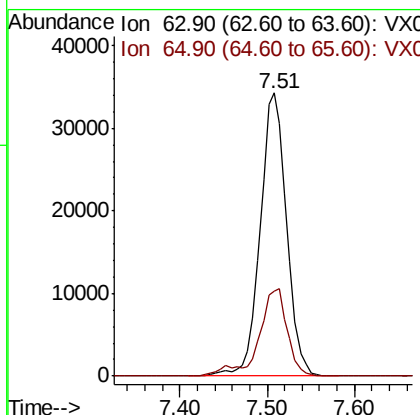
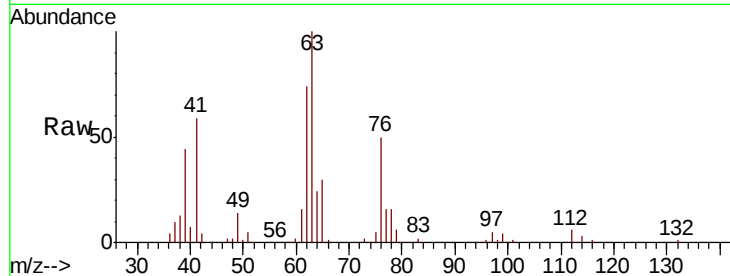
#45
 1,2-Dichloropropane
 Concen: 48.820 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Tot Ion: 63 Resp: 72179
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.3 37.9

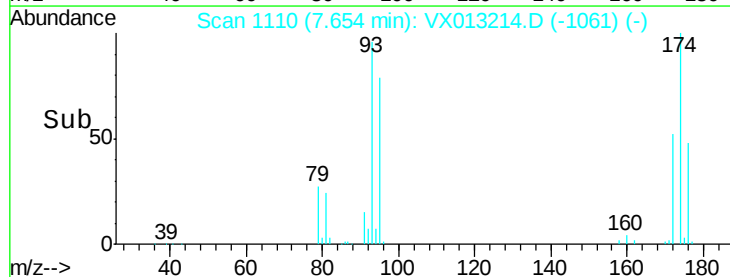
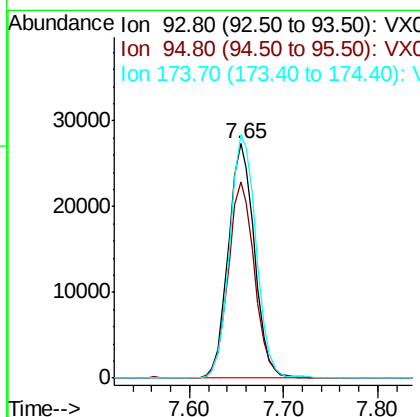
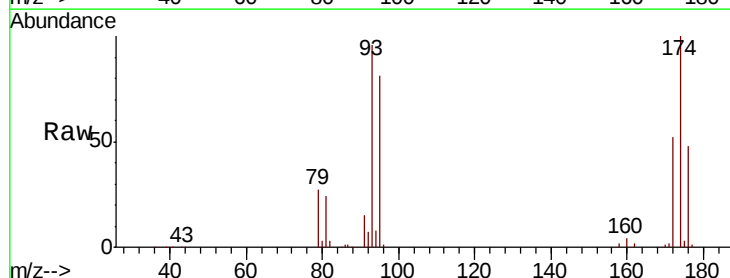
Manual Integrations
 APPROVED

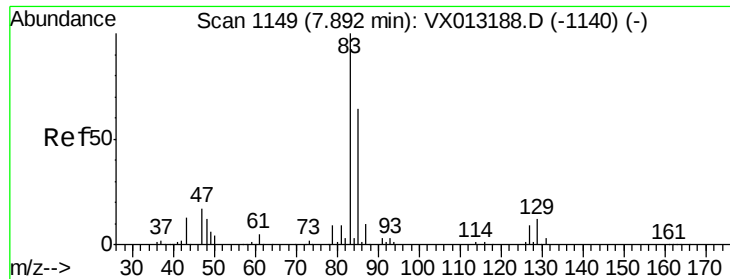
MMDadoda
 10/28/2019 12:53:40 PM



#46
 Dibromomethane
 Concen: 49.146 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion: 93 Resp: 52350
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.2 99.4
 174 105.2 85.2 127.8





#47

Bromodichloromethane

Concen: 52.035 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

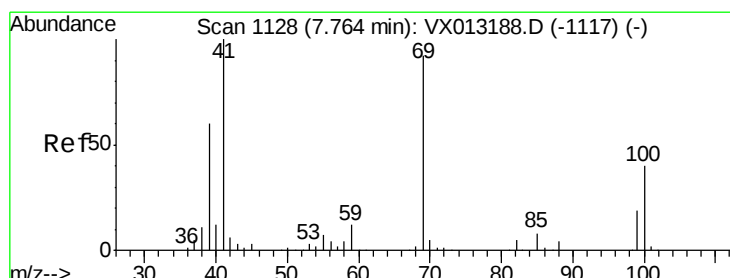
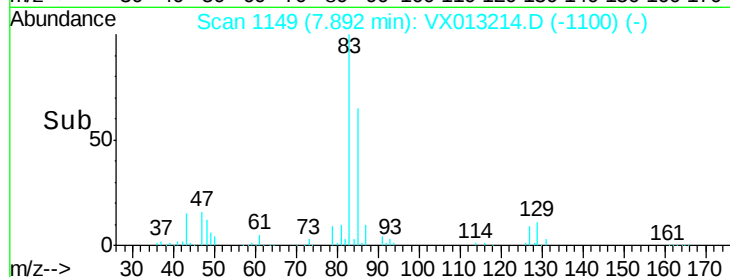
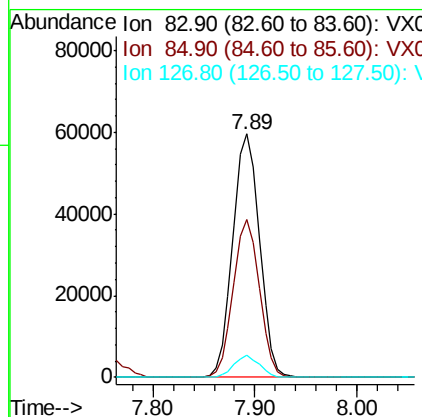
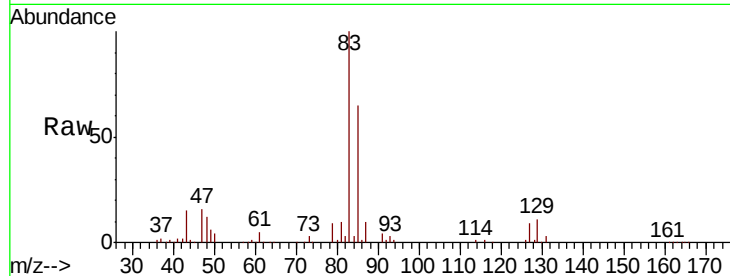
ClientSampleId :

S32-0670MS

Tot Ion:	83	Resp:	108017
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.6
127	9.1	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#48

Methyl methacrylate

Concen: 49.686 ug/l

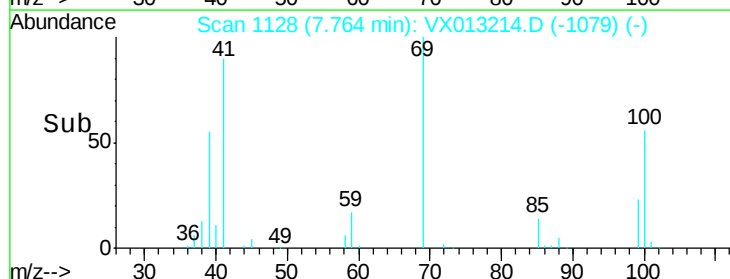
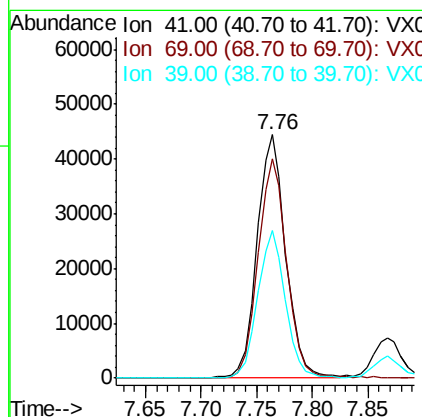
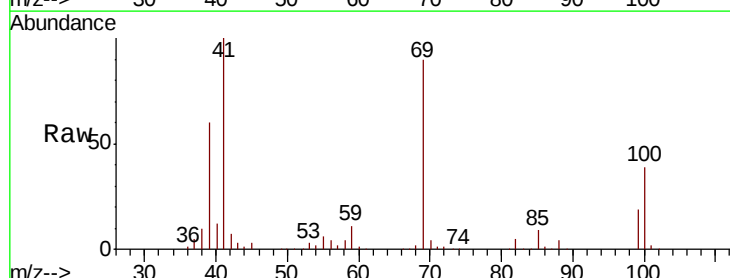
RT: 7.76 min Scan# 1128

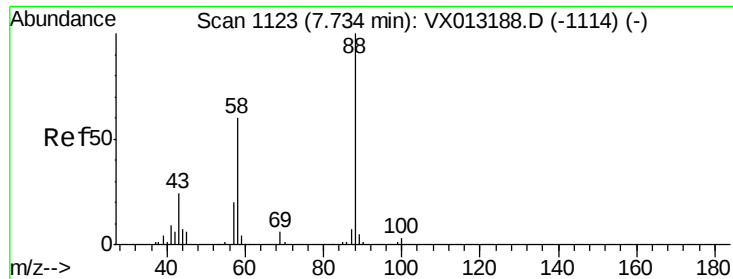
Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion:	41	Resp:	79851
Ion	Ratio	Lower	Upper
41	100		
69	90.2	72.0	108.0
39	59.0	47.4	71.0





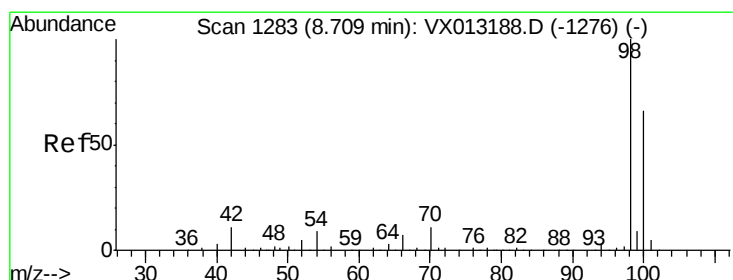
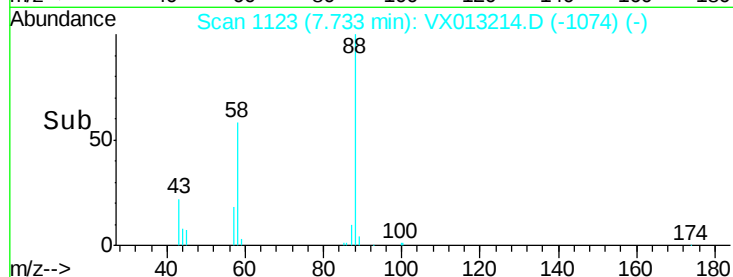
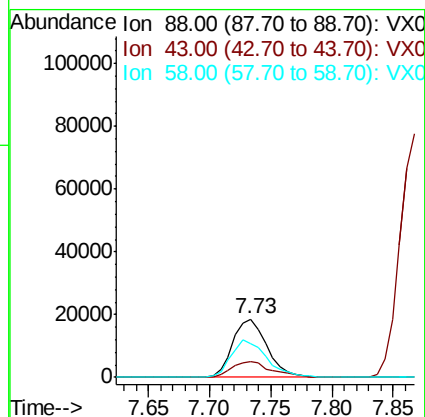
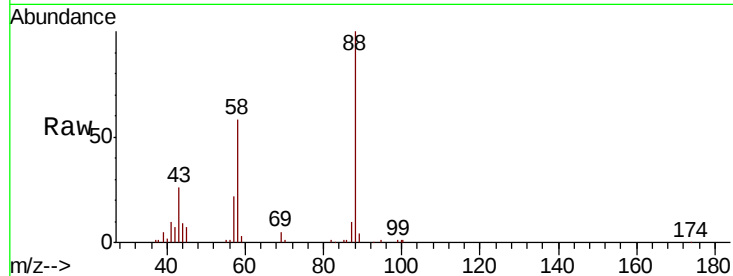
#49
1,4-Dioxane
Concen: 880.944 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	24.5	36.7
58	66.8	54.1	81.1

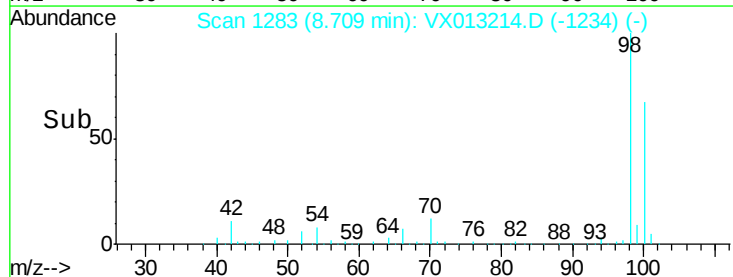
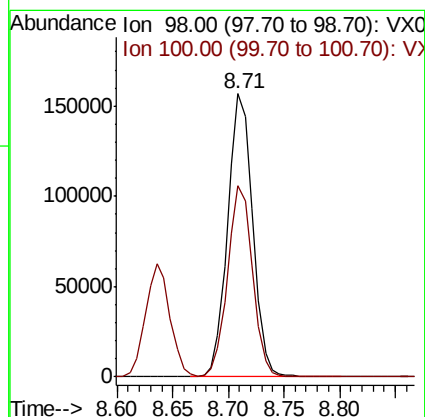
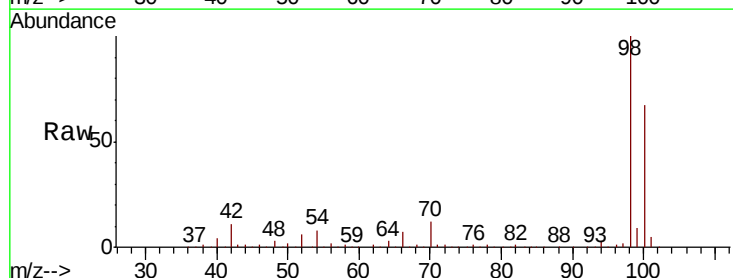
Manual Integrations
APPROVED

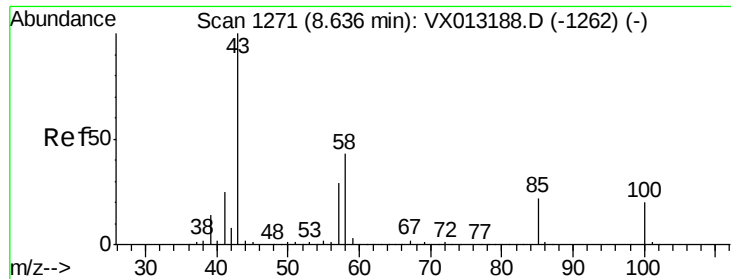
MMDadoda
10/28/2019 12:53:40 PM



#50
Toluene-d8
Concen: 50.296 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 248.641 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

Tot Ion: 43 Resp: 492792

Ion Ratio Lower Upper

43 100

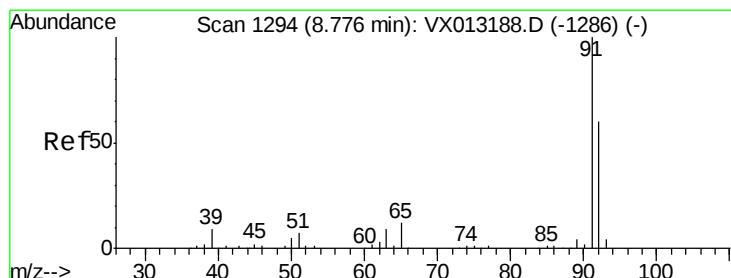
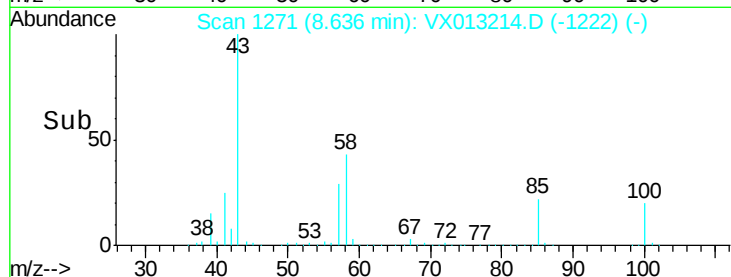
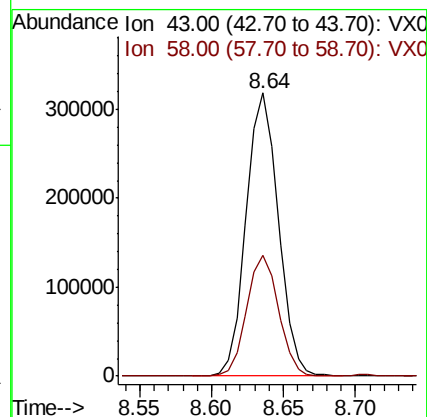
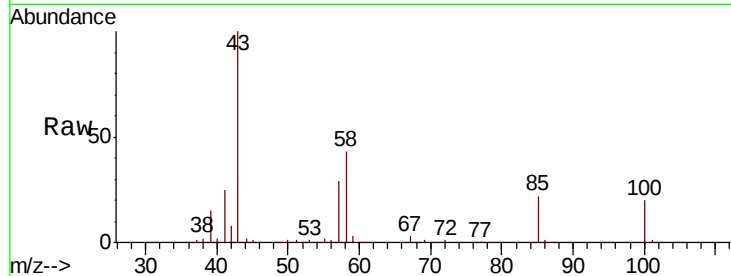
58 42.2 33.9 50.9

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:40 PM



#52

Toluene

Concen: 49.234 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013214.D

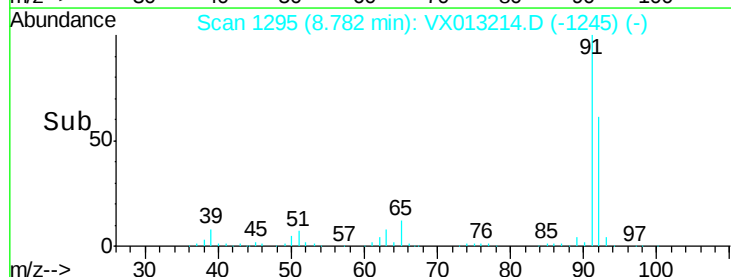
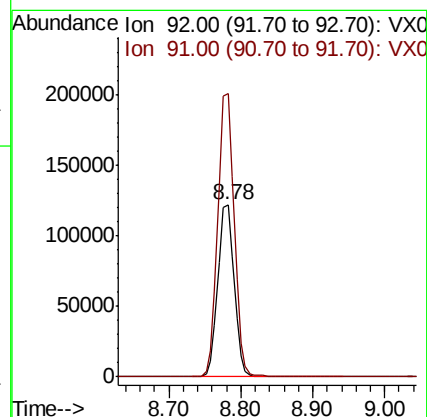
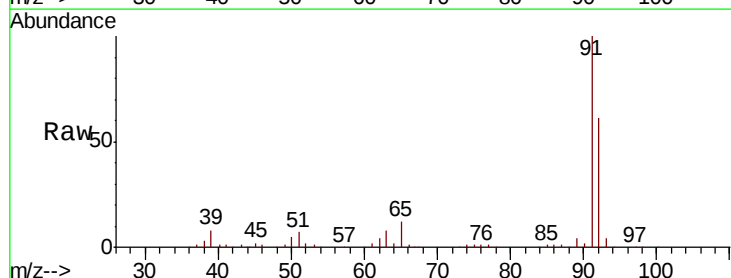
Acq: 24 Oct 2019 16:15

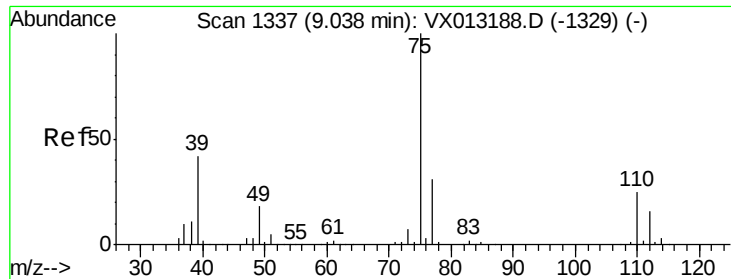
Tgt Ion: 92 Resp: 192604

Ion Ratio Lower Upper

92 100

91 165.2 133.9 200.9





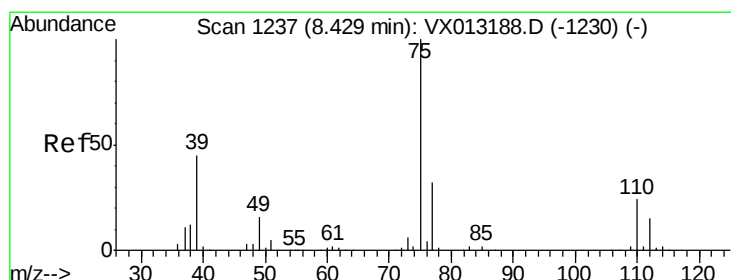
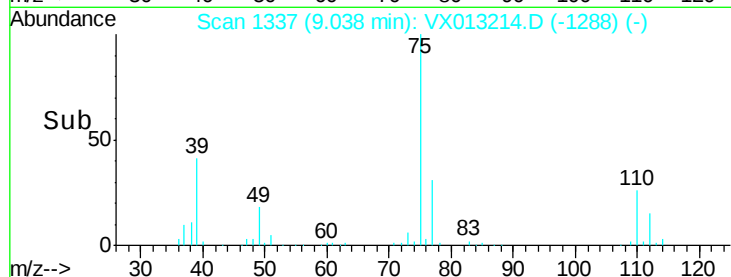
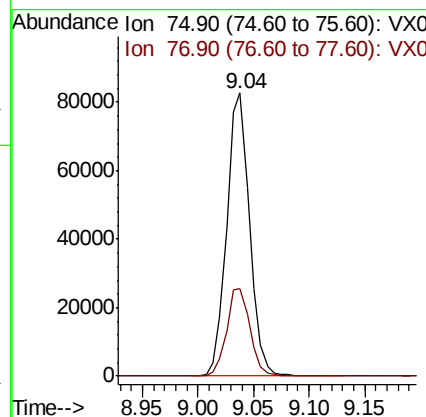
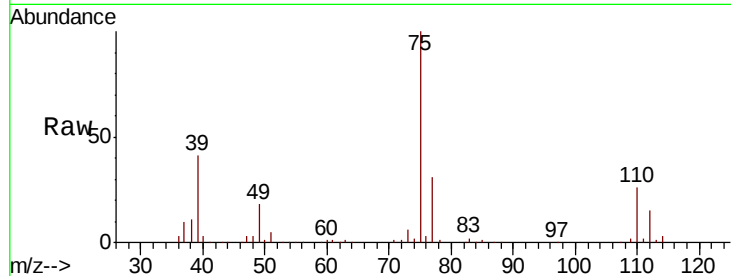
#53
 t-1,3-Dichloropropene
 Concen: 53.160 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Tot Ion: 75 Resp: 117270
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.7 37.1

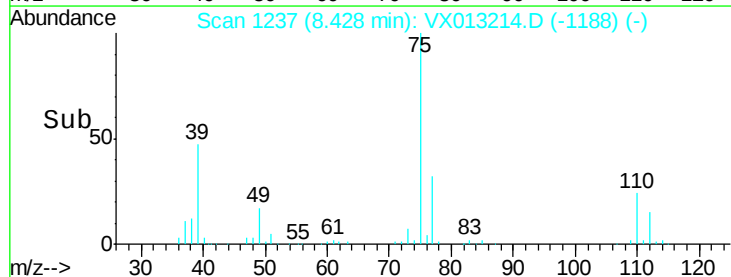
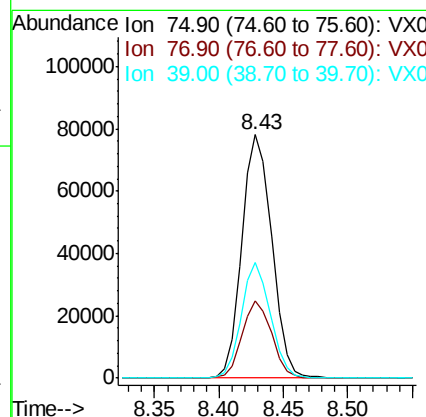
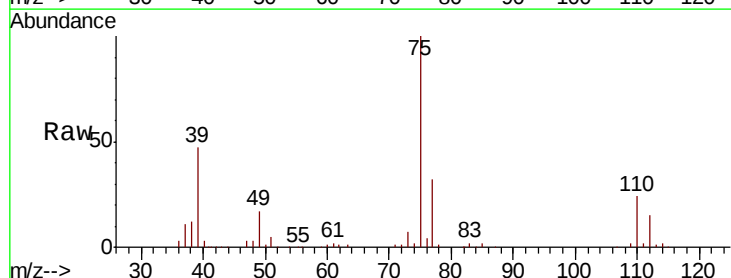
Manual Integrations
 APPROVED

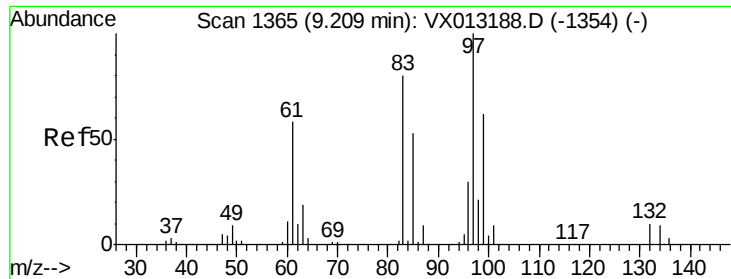
MMDadoda
 10/28/2019 12:53:40 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.293 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion: 75 Resp: 126193
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.0
 39 47.2 36.2 54.4





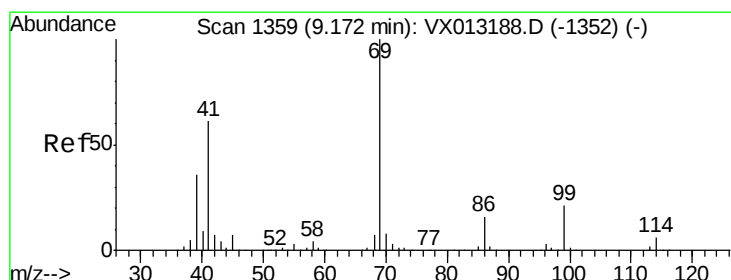
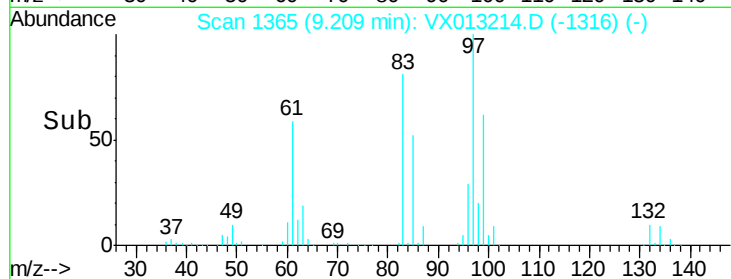
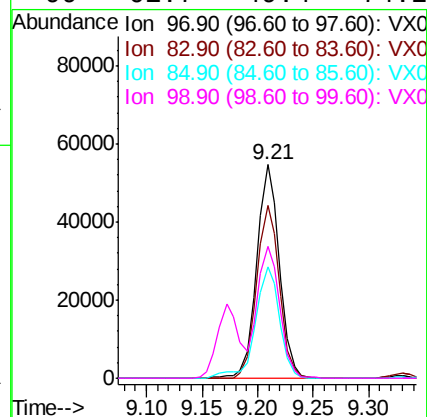
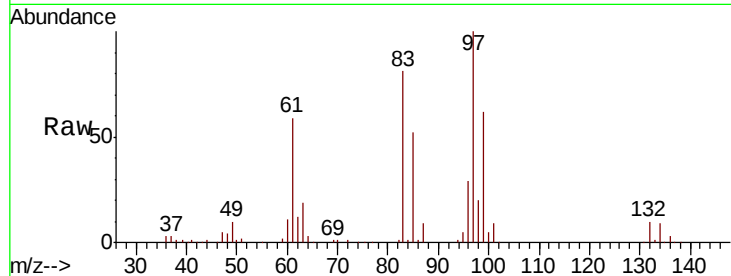
#55
 1,1,2-Trichloroethane
 Concen: 50.105 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		77495		
83	81.1	64.1	96.1		
85	52.1	42.1	63.1		
99	61.7	49.4	74.2		

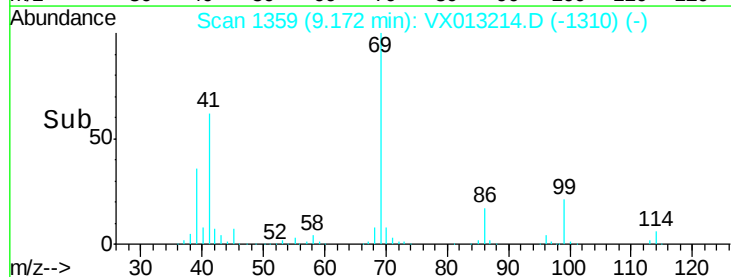
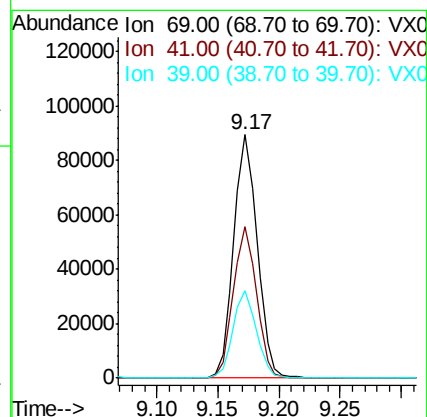
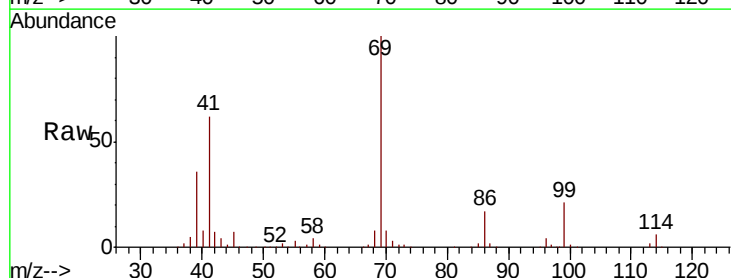
Manual Integrations
 APPROVED

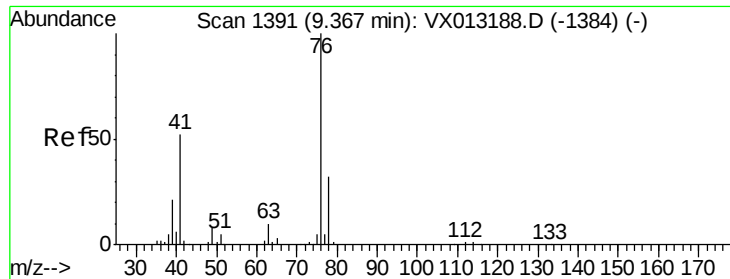
MMDadoda
 10/28/2019 12:53:40 PM



#56
 Ethyl methacrylate
 Concen: 51.324 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		119473		
41	61.8	49.5	74.3		
39	35.8	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 48.697 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

Tot Ion: 76 Resp: 127083

Ion Ratio Lower Upper

76 100

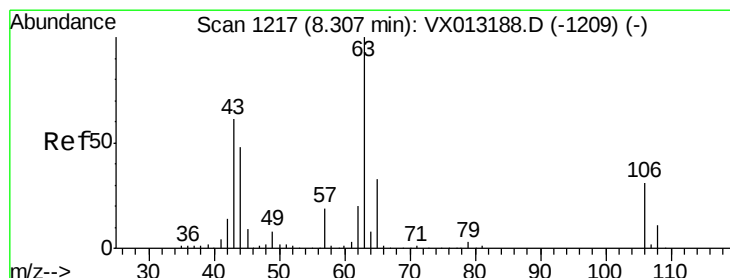
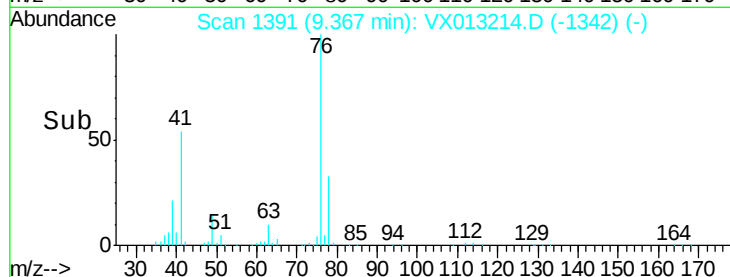
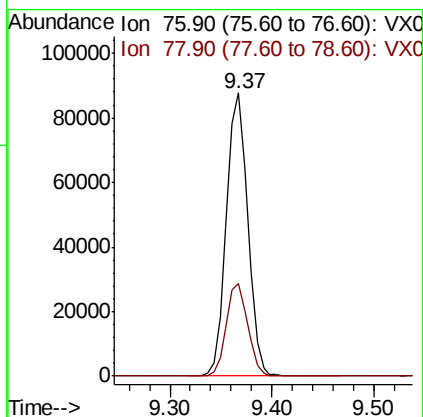
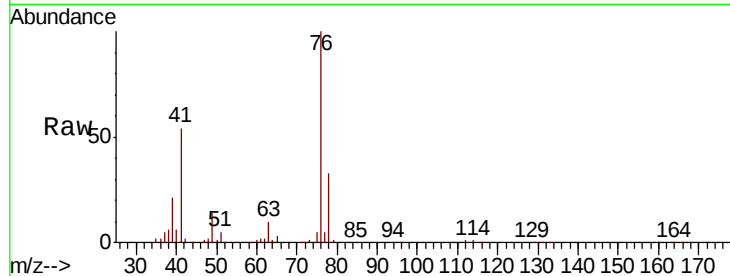
78 32.6 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:40 PM



#58

2-Chloroethyl Vinyl ether

Concen: 43.167 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013214.D

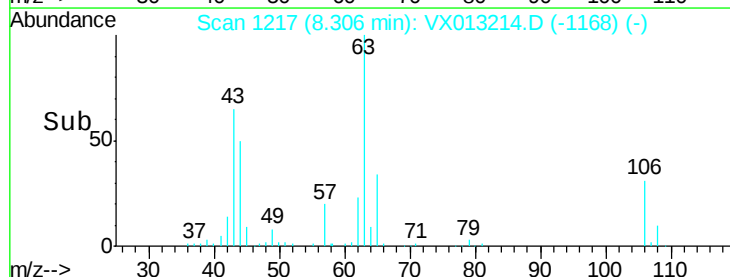
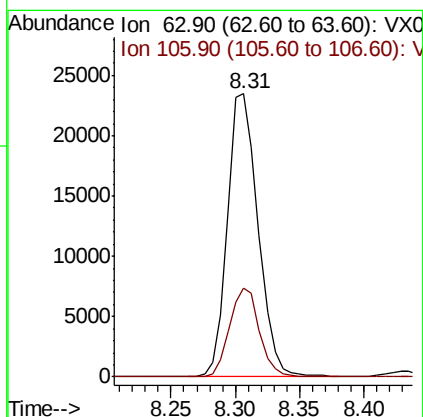
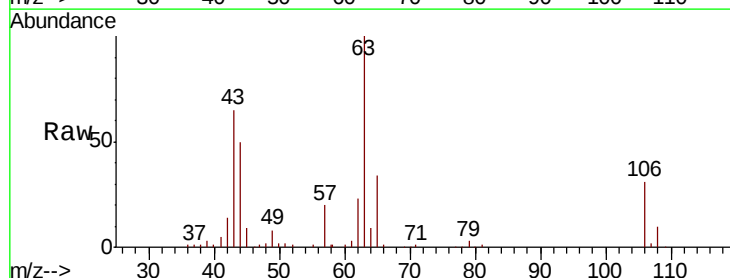
Acq: 24 Oct 2019 16:15

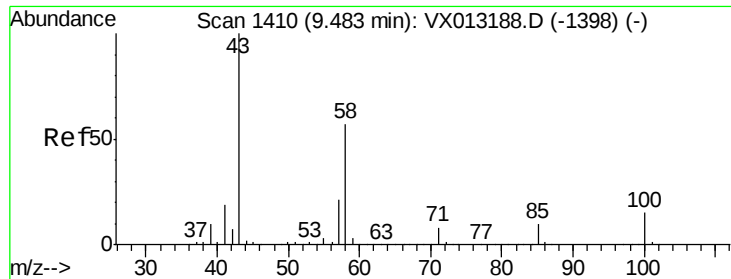
Tgt Ion: 63 Resp: 39209

Ion Ratio Lower Upper

63 100

106 30.3 25.4 38.0





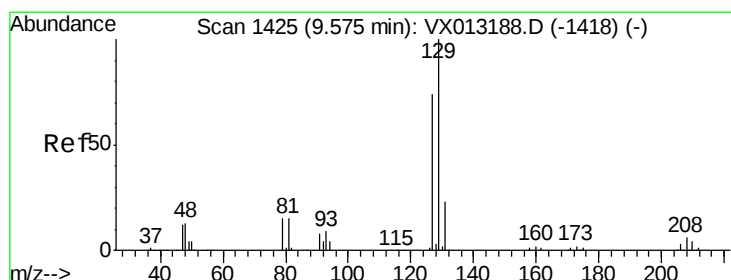
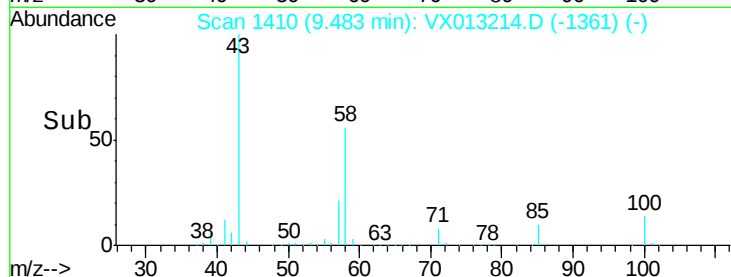
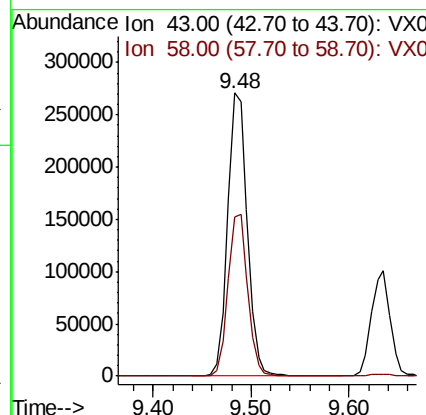
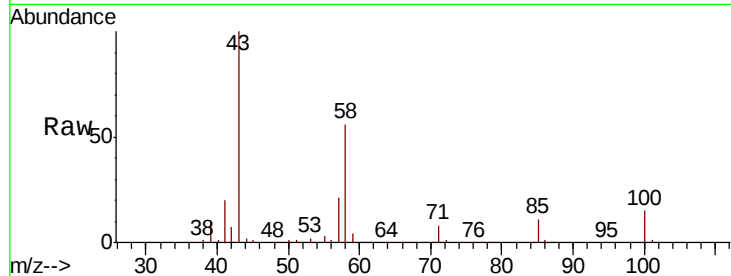
#59
2-Hexanone
Concen: 246.659 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion: 43 Resp: 376568
Ion Ratio Lower Upper
43 100
58 57.7 28.2 84.7

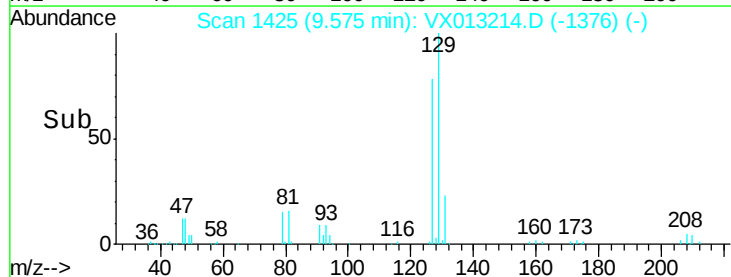
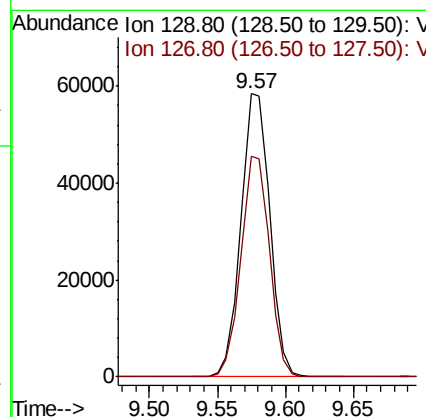
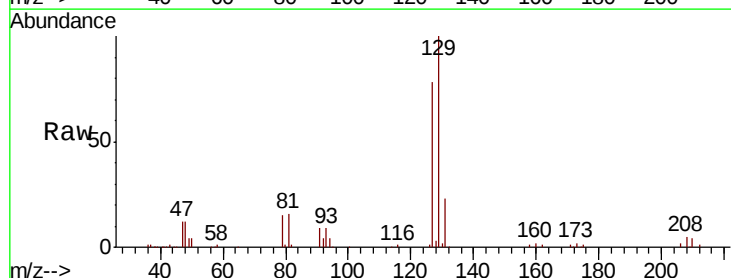
Manual Integrations
APPROVED

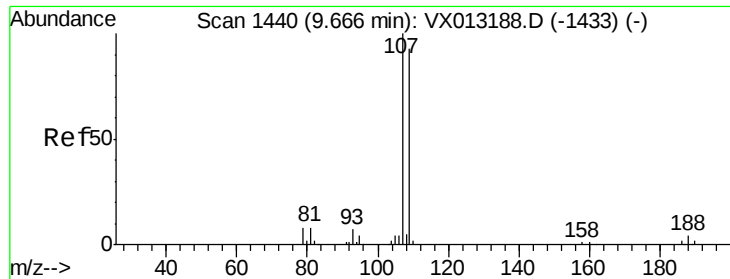
MMDadoda
10/28/2019 12:53:40 PM



#60
Dibromochloromethane
Concen: 53.395 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion: 129 Resp: 86536
Ion Ratio Lower Upper
129 100
127 77.1 38.2 114.6





#61

1,2-Dibromoethane

Concen: 49.983 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

Tot Ion: 107 Resp: 82070

Ion Ratio Lower Upper

107 100

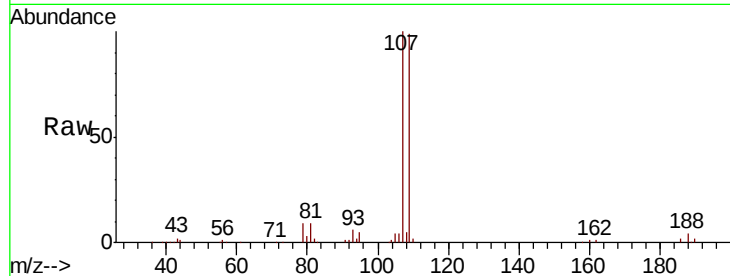
109 95.4 75.7 113.5

Manual Integrations

APPROVED

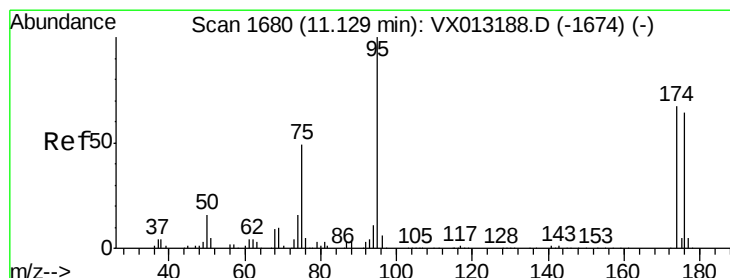
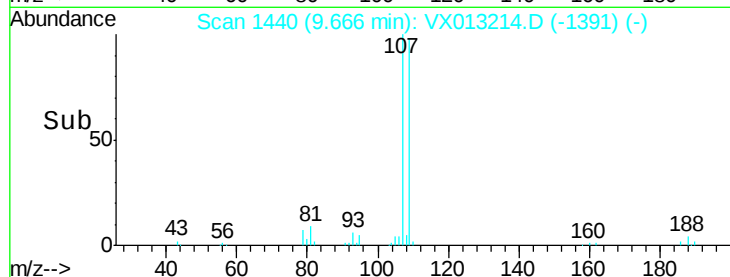
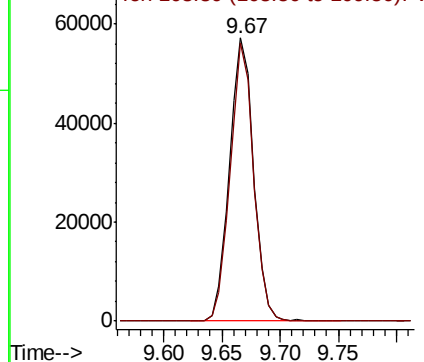
MMDadoda

10/28/2019 12:53:40 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.482 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

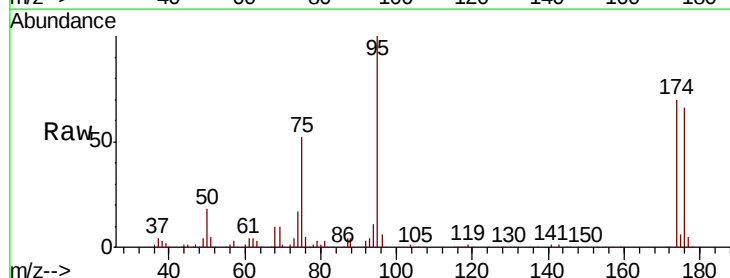
Tgt Ion: 95 Resp: 97041

Ion Ratio Lower Upper

95 100

174 74.7 0.0 152.4

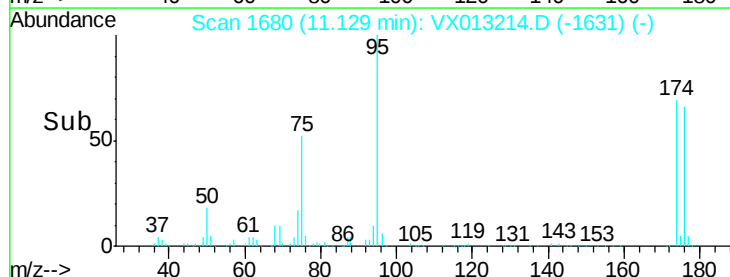
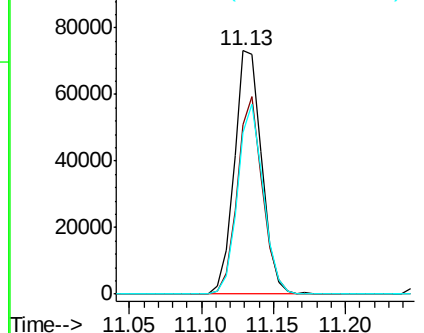
176 73.3 0.0 146.0

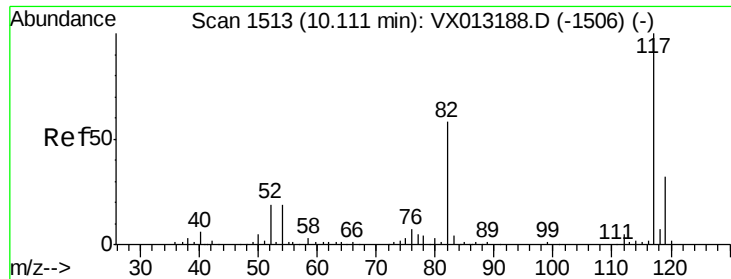


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

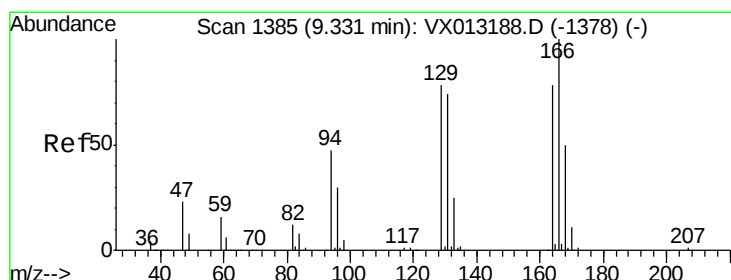
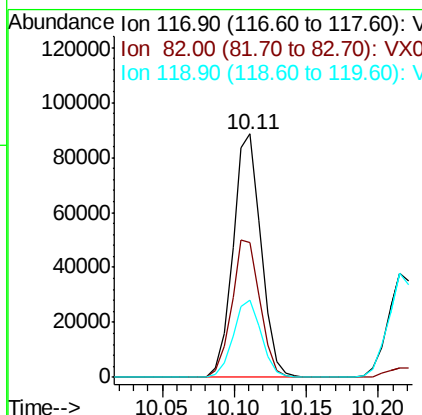
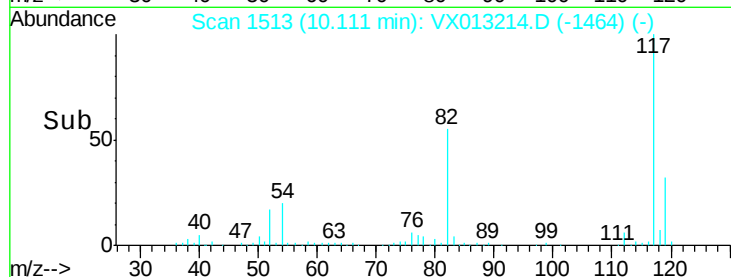
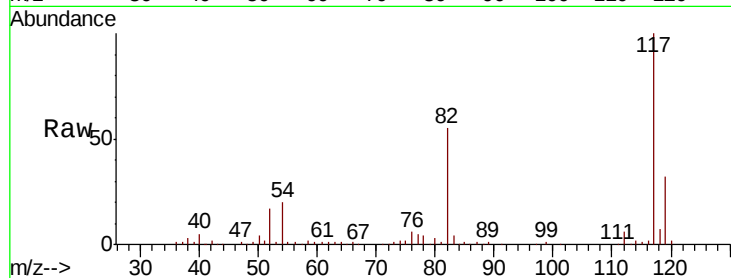
ClientSampleId :

S32-0670MS

Tot Ion:	117	Resp:	120289
Ion Ratio	Lower	Upper	
117	100		
82	55.3	46.5	69.7
119	31.9	25.2	37.8

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#64

Tetrachloroethene

Concen: 52.382 ug/l

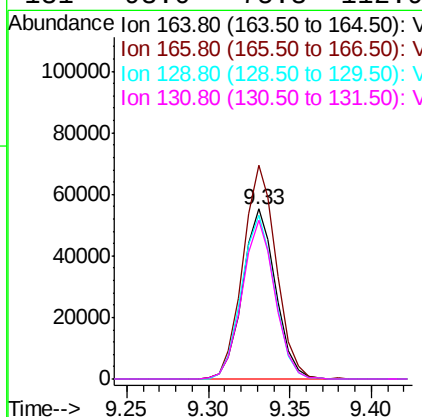
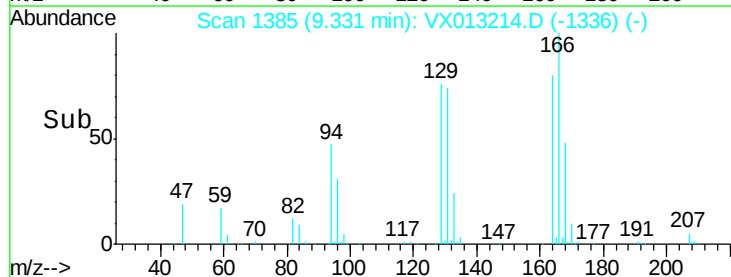
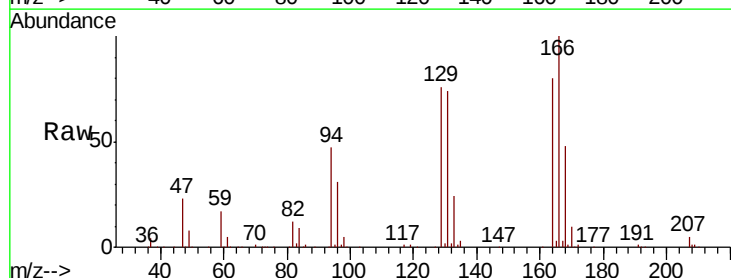
RT: 9.33 min Scan# 1385

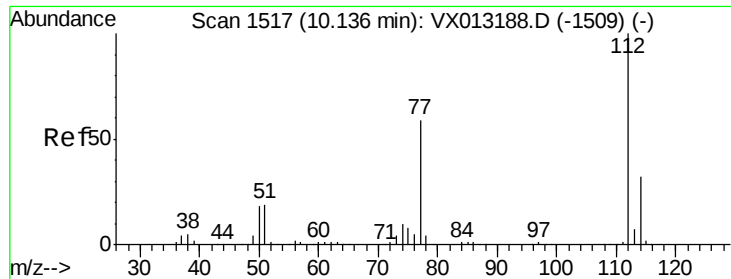
Delta R.T. 0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion:	164	Resp:	77610
Ion Ratio	Lower	Upper	
164	100		
166	125.5	102.2	153.4
129	96.0	79.8	119.8
131	93.0	75.3	112.9





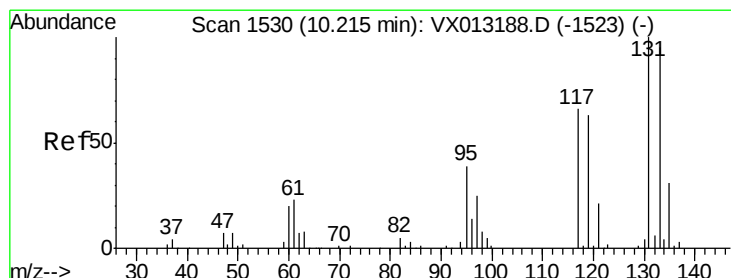
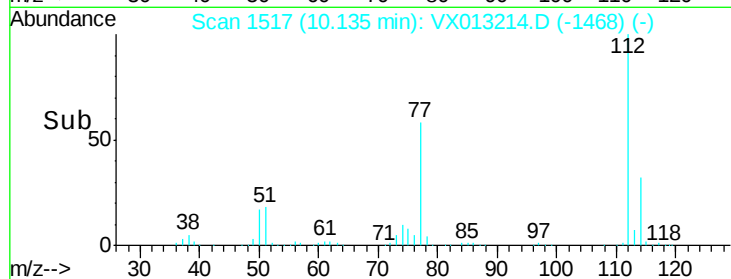
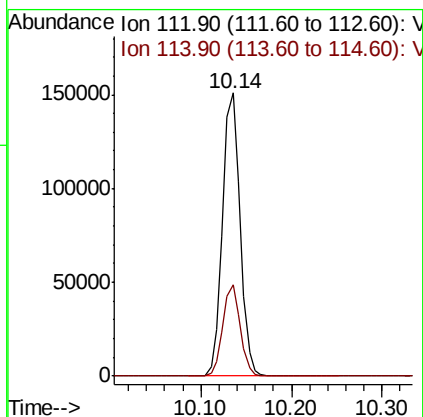
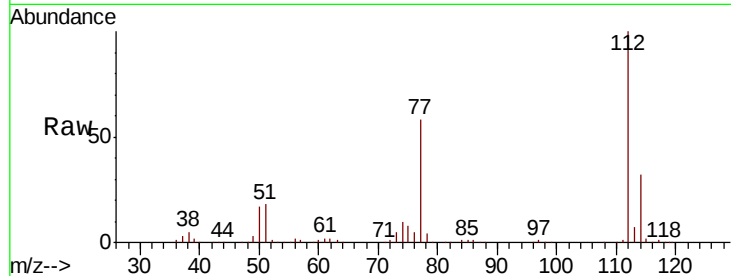
#65
Chlorobenzene
Concen: 48.747 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampled :
S32-0670MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.8

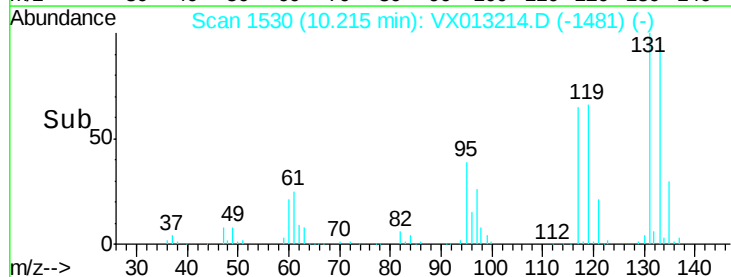
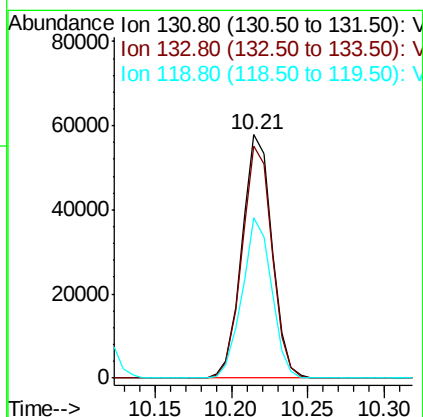
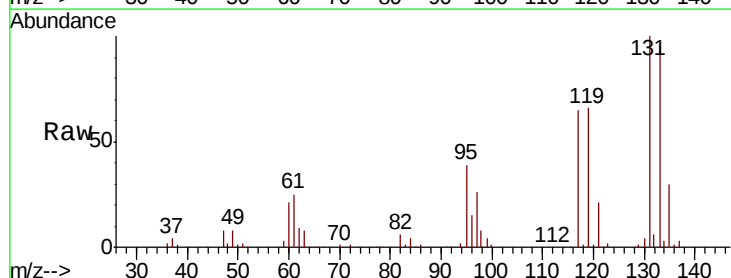
Manual Integrations
APPROVED

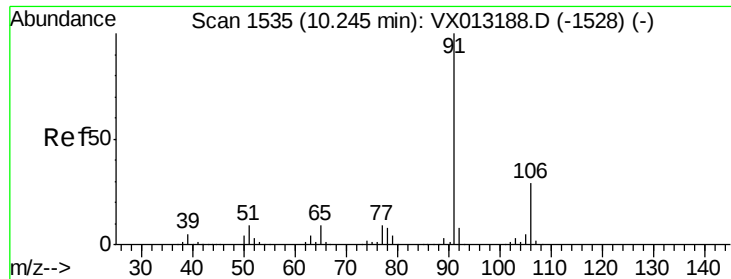
MMDadoda
10/28/2019 12:53:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.702 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.4	145.2
119	64.5	32.4	97.0





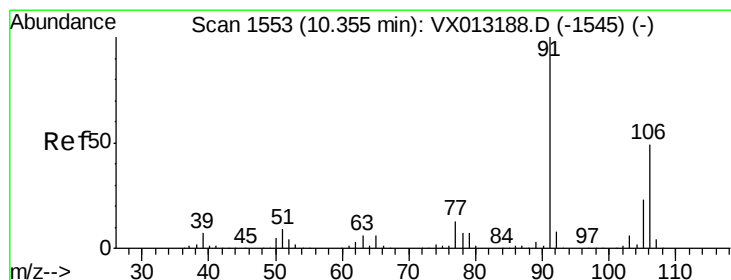
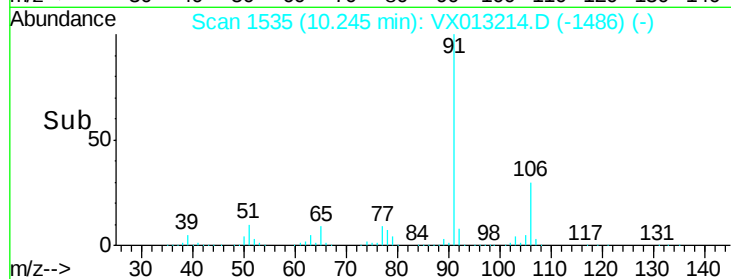
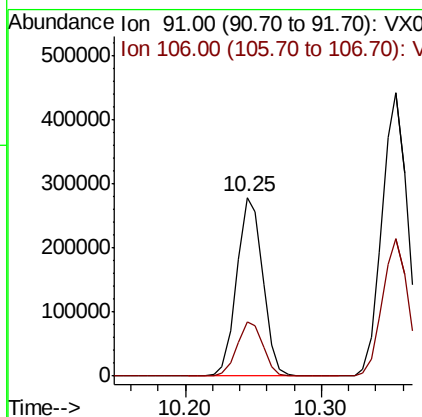
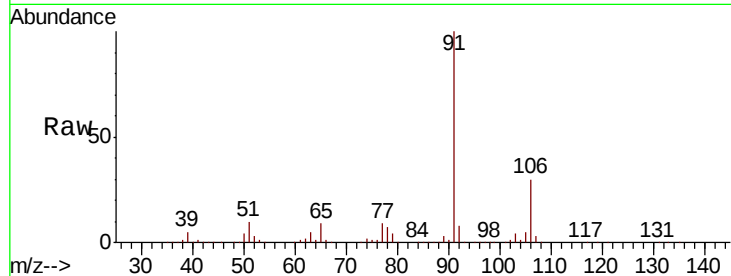
#67
Ethyl Benzene
Concen: 49.008 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion: 91 Resp: 369435
Ion Ratio Lower Upper
91 100
106 30.4 23.5 35.3

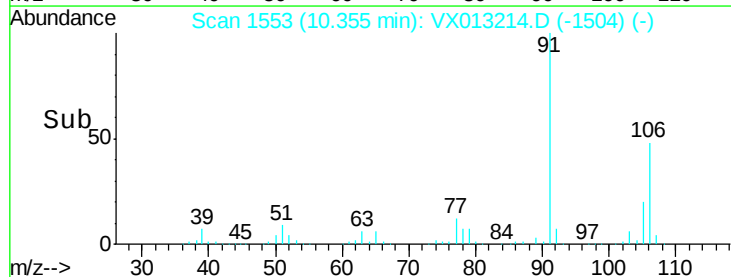
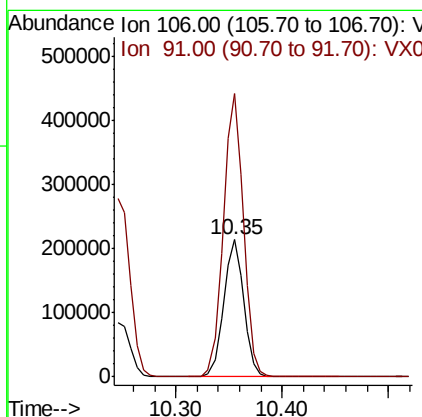
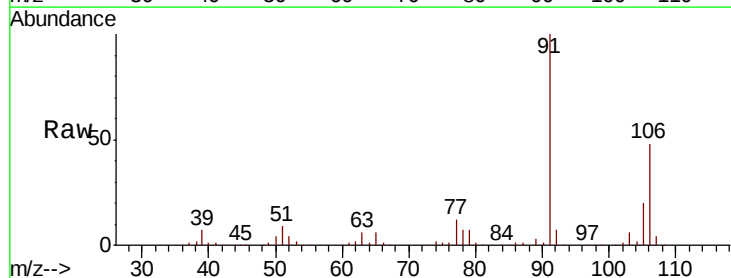
Manual Integrations
APPROVED

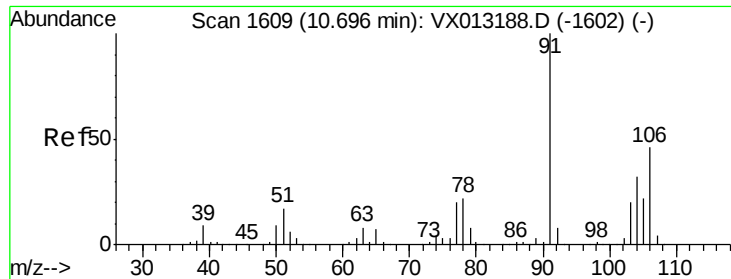
MMDadoda
10/28/2019 12:53:40 PM



#68
m/p-Xylenes
Concen: 98.646 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion: 106 Resp: 281027
Ion Ratio Lower Upper
106 100
91 206.5 166.8 250.2





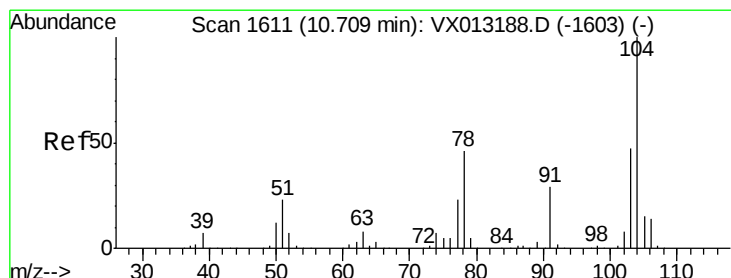
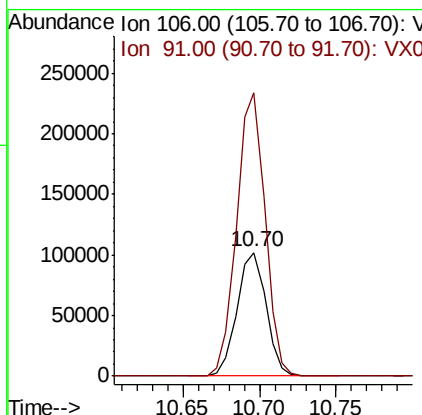
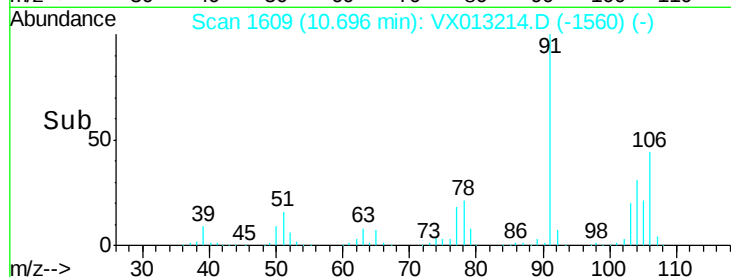
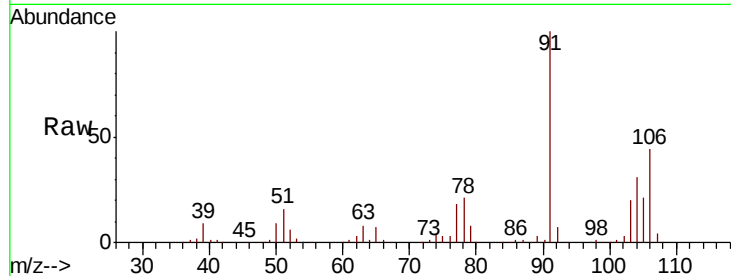
#69
o-Xylene
Concen: 49.019 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion:106 Resp: 133962
Ion Ratio Lower Upper
106 100
91 225.1 110.7 331.9

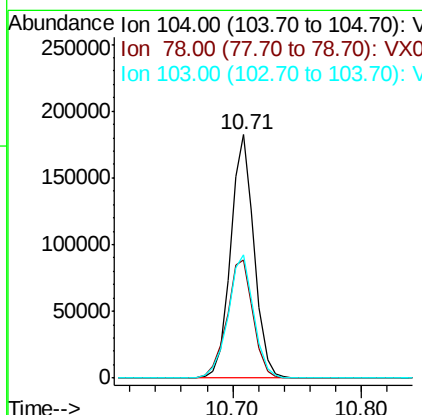
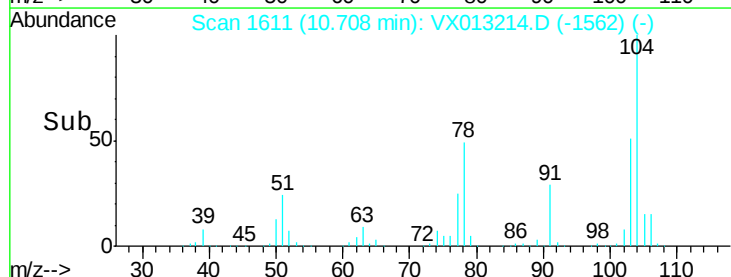
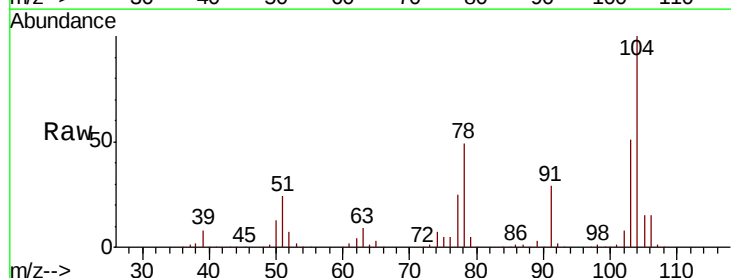
Manual Integrations
APPROVED

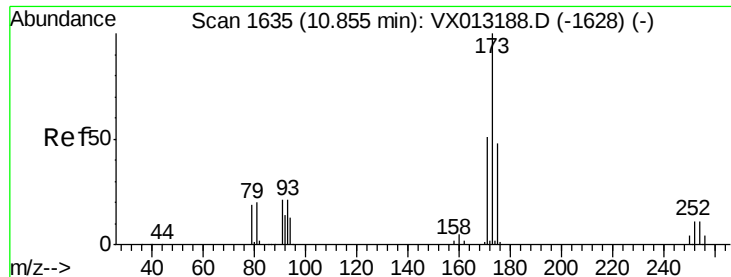
MMDadoda
10/28/2019 12:53:40 PM



#70
Styrene
Concen: 49.135 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion:104 Resp: 231218
Ion Ratio Lower Upper
104 100
78 54.6 42.2 63.4
103 55.3 42.8 64.2





#71

Bromoform

Concen: 53.235 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

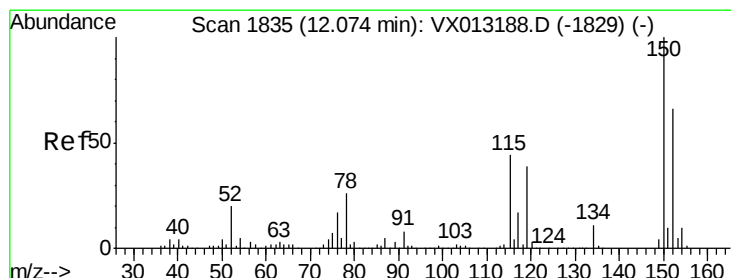
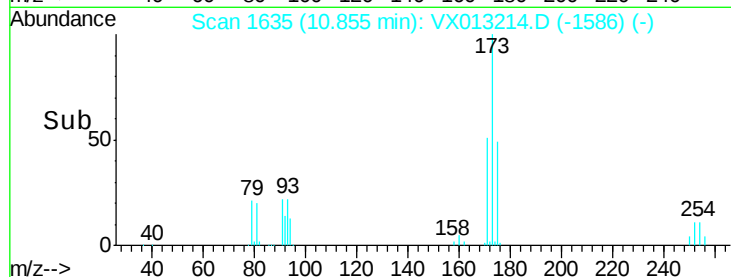
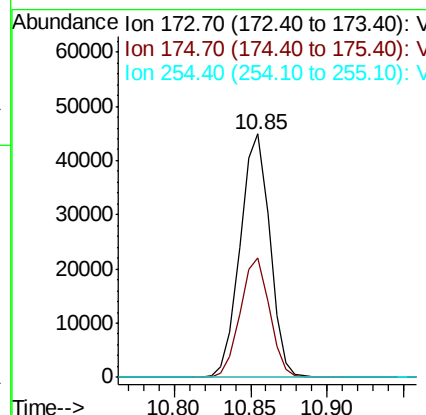
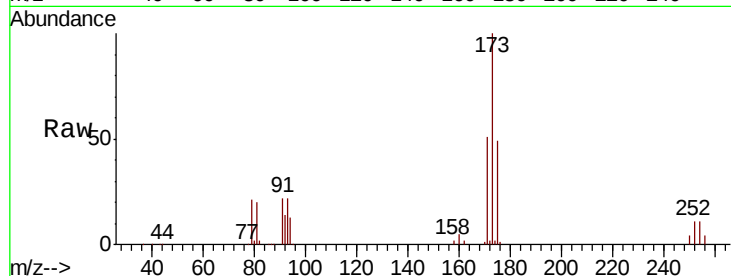
ClientSampleId :

S32-0670MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

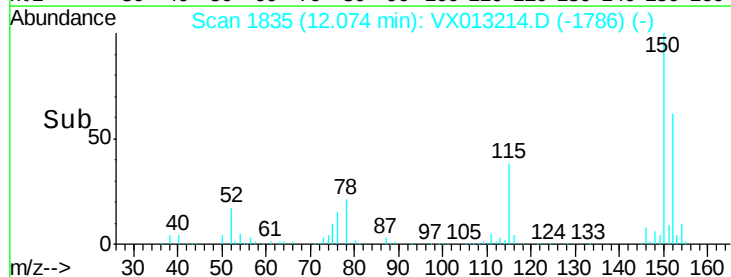
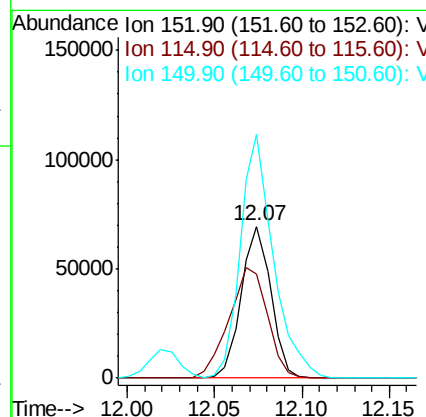
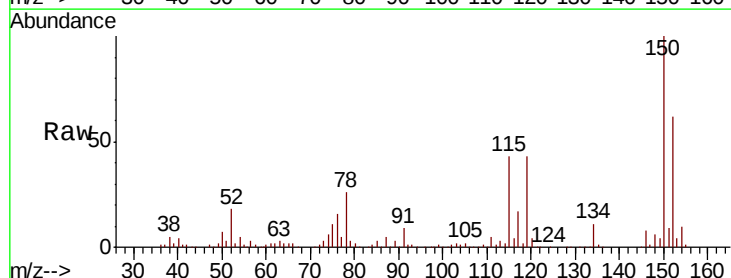
RT: 12.07 min Scan# 1835

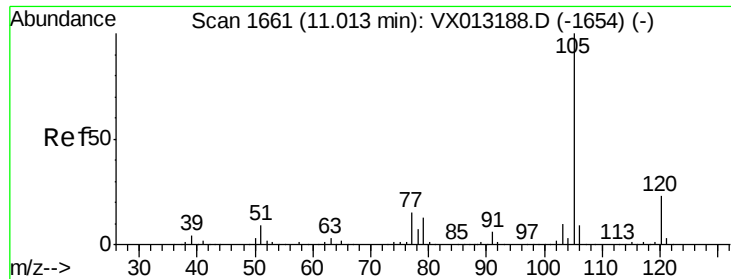
Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	94.7	46.6	139.8
150	178.1	0.0	354.0





#73

Isopropylbenzene

Concen: 49.760 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

Tot Ion:105 Resp: 370754

Ion Ratio Lower Upper

105 100

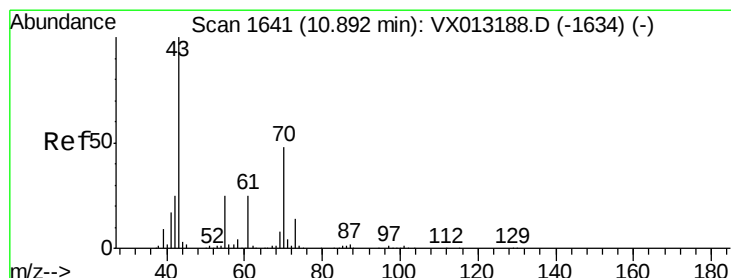
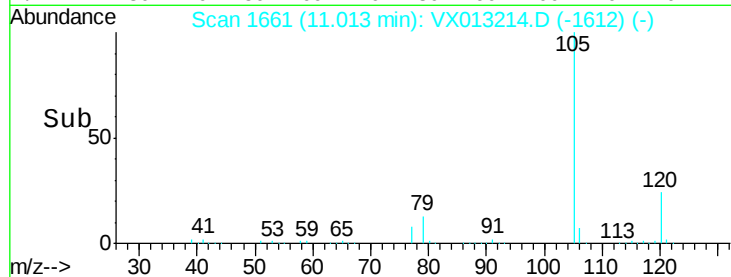
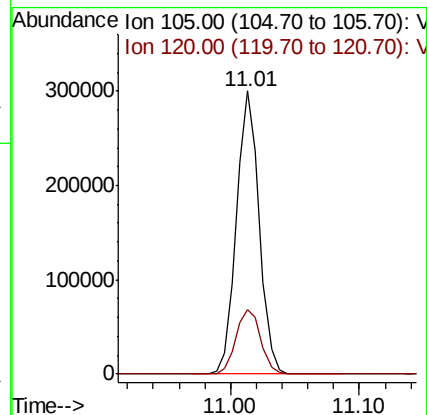
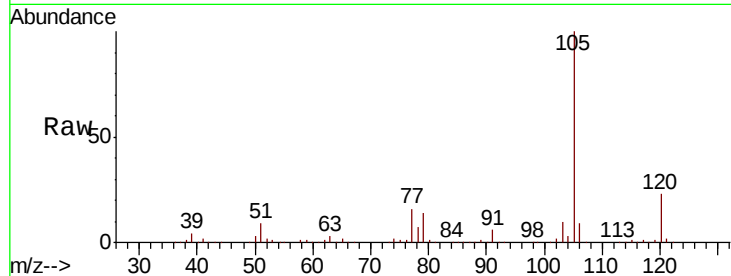
120 25.0 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:40 PM



#74

N-ethyl acetate

Concen: 50.525 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion: 43 Resp: 138171

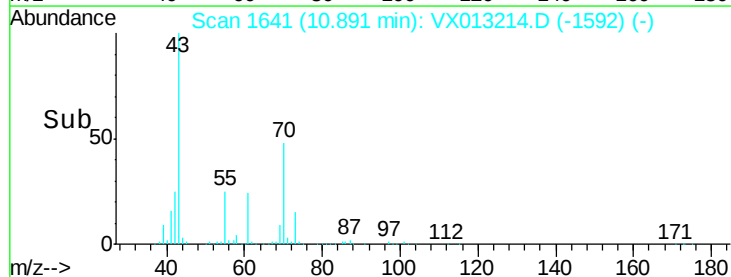
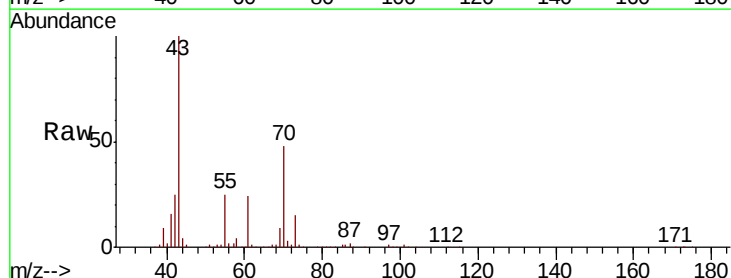
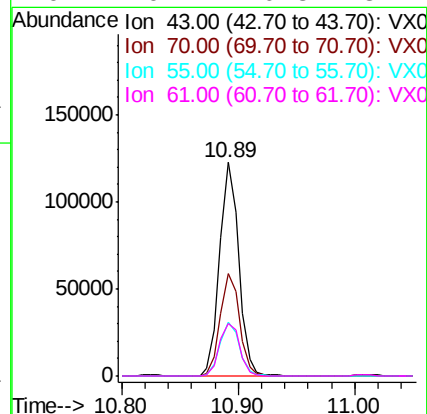
Ion Ratio Lower Upper

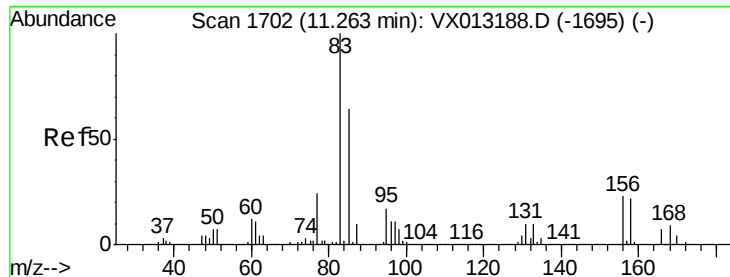
43 100

70 49.0 38.5 57.7

55 26.1 20.7 31.1

61 26.1 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 47.793 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

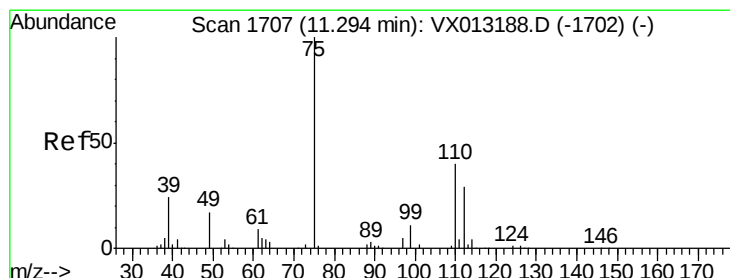
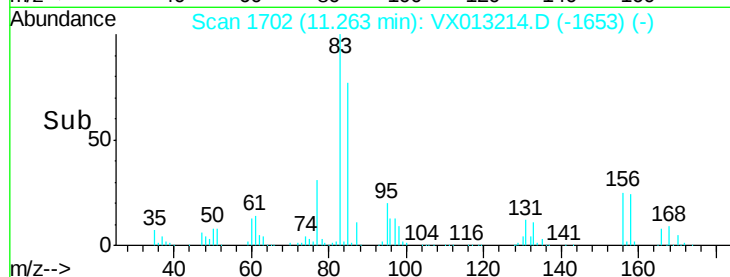
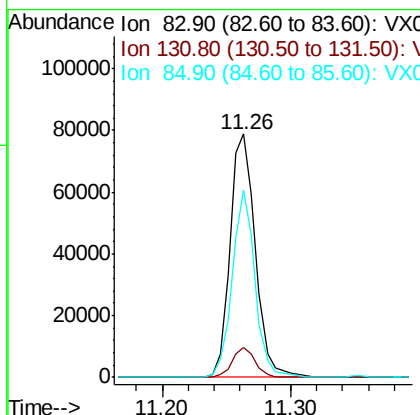
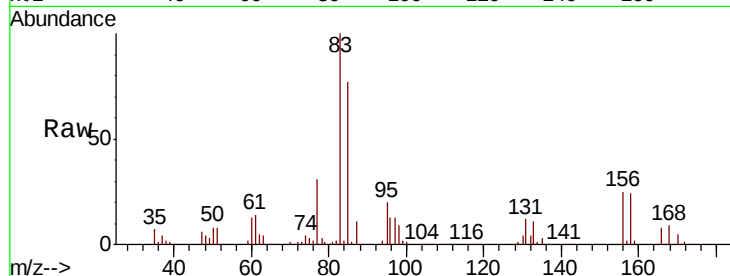
ClientSampleId :

S32-0670MS

Tot Ion:	83	Resp:	108125
Ion Ratio		Lower	Upper
83	100		
131	11.3	5.3	16.1
85	69.5	31.4	94.3

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#76

1,2,3-Trichloropropane

Concen: 48.529 ug/l m

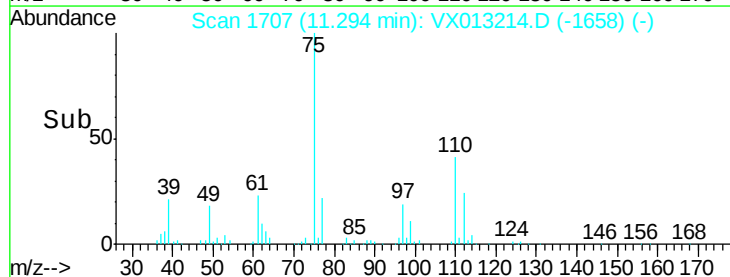
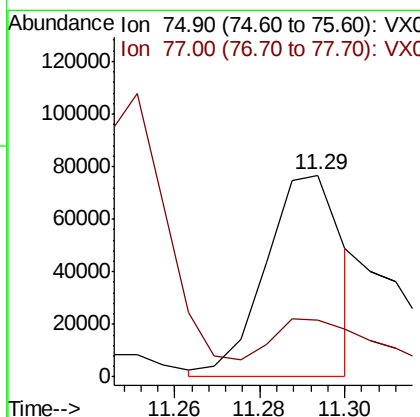
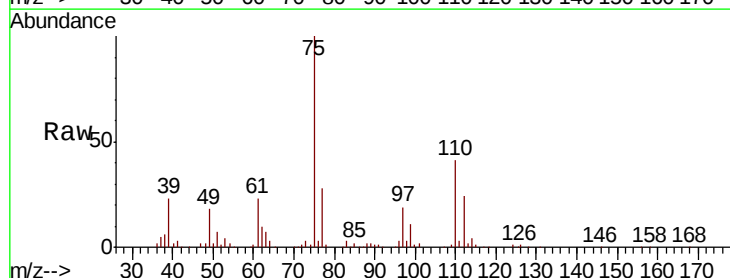
RT: 11.29 min Scan# 1707

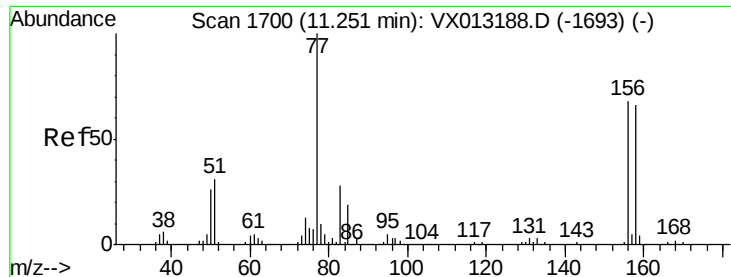
Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion:	75	Resp:	95969
Ion Ratio		Lower	Upper
75	100		
77	41.2	19.1	57.5





#77

Bromobenzene

Concen: 48.317 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

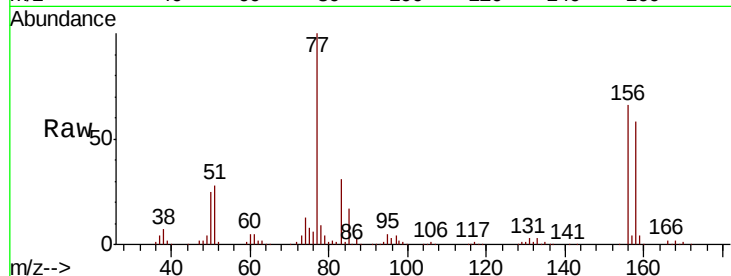
ClientSampleId :

S32-0670MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.4	81.7	245.1
158	95.1	49.6	148.8

Manual Integrations
APPROVED

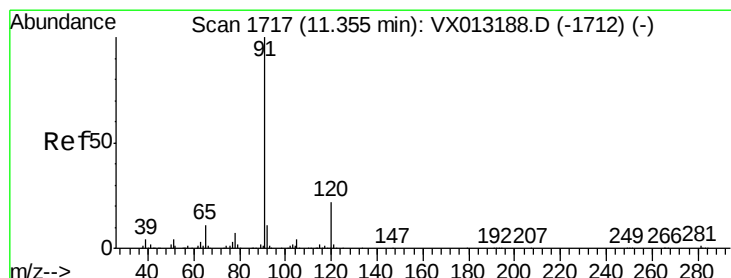
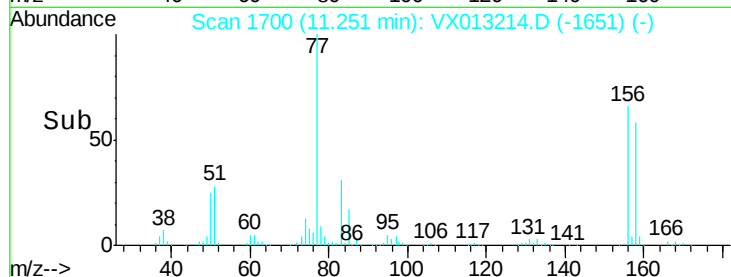
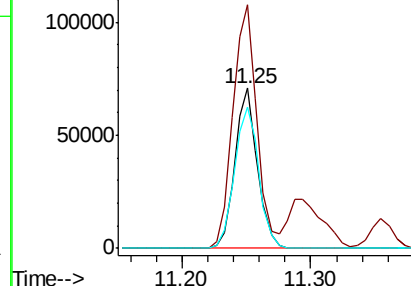
MMDadoda
10/28/2019 12:53:40 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.065 ug/l

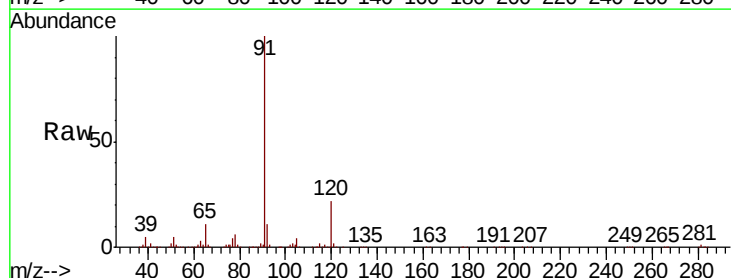
RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013214.D

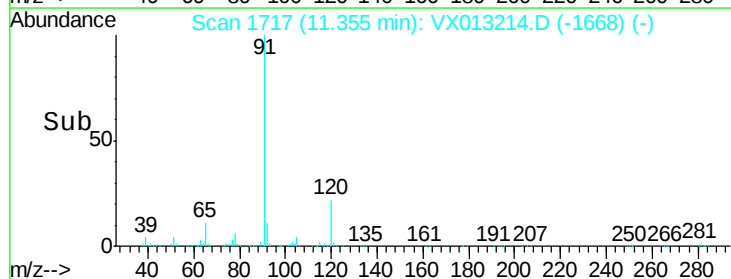
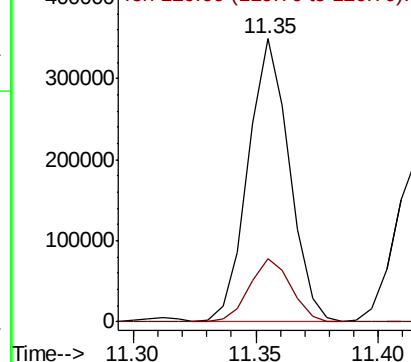
Acq: 24 Oct 2019 16:15

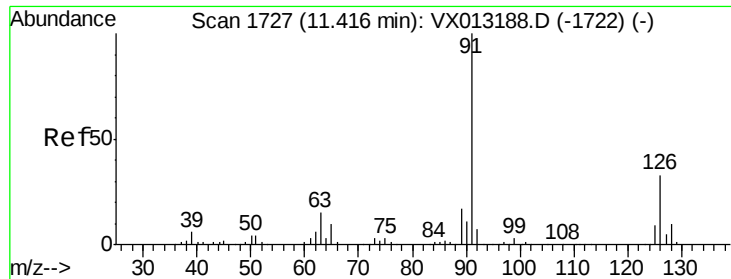
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





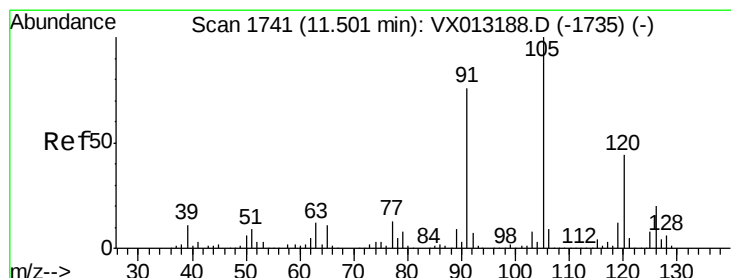
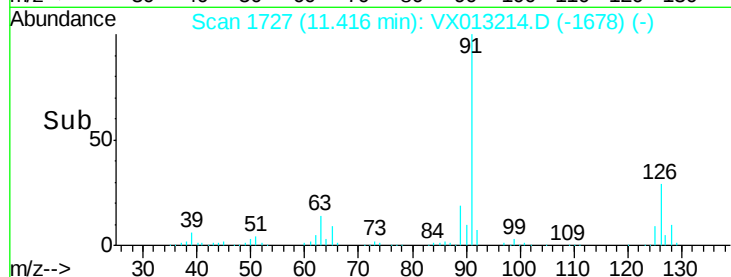
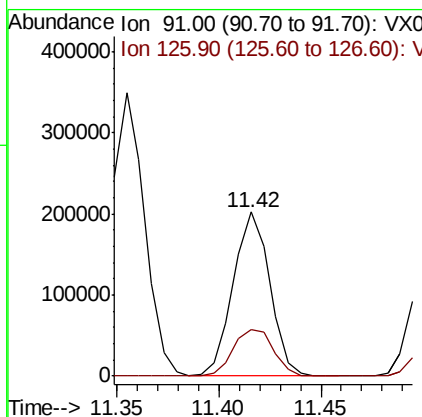
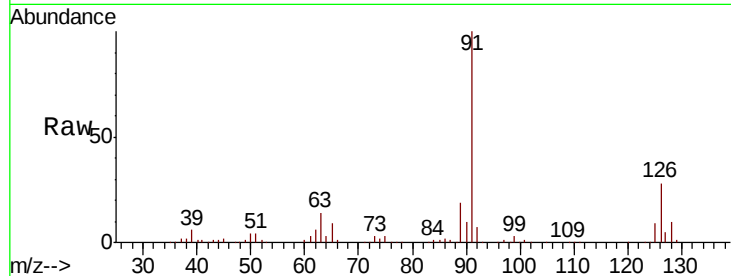
#79
 2-Chlorotoluene
 Concen: 49.195 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Tot Ion: 91 Resp: 251568
 Ion Ratio Lower Upper
 91 100
 126 31.4 16.3 48.8

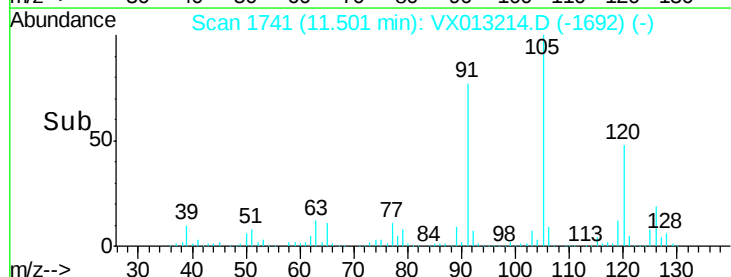
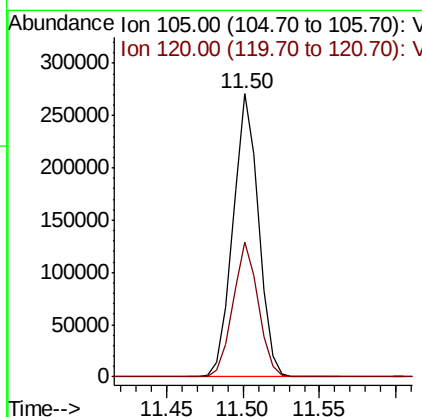
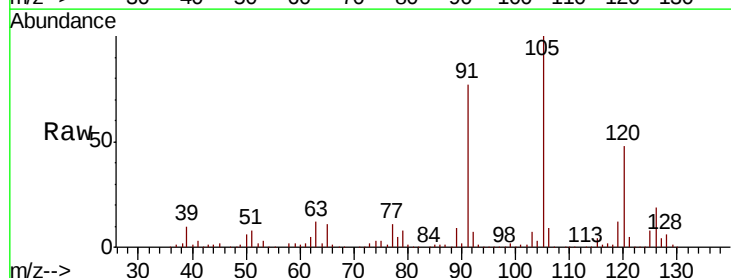
Manual Integrations
 APPROVED

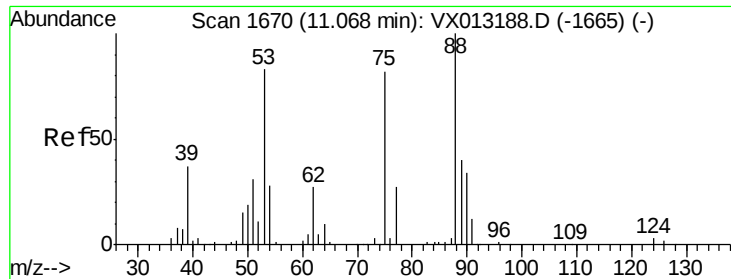
MMDadoda
 10/28/2019 12:53:40 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.503 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion: 105 Resp: 312770
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.0





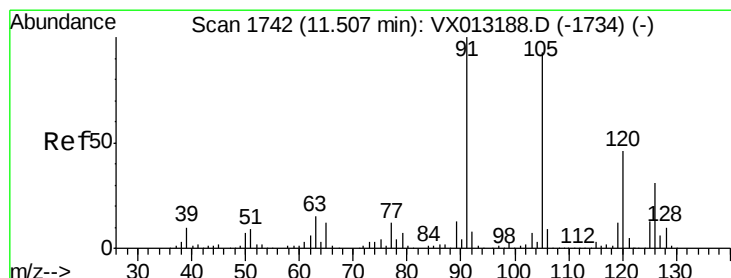
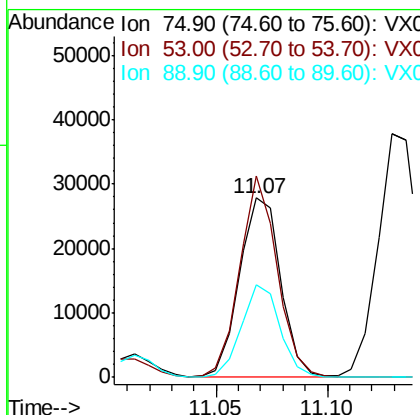
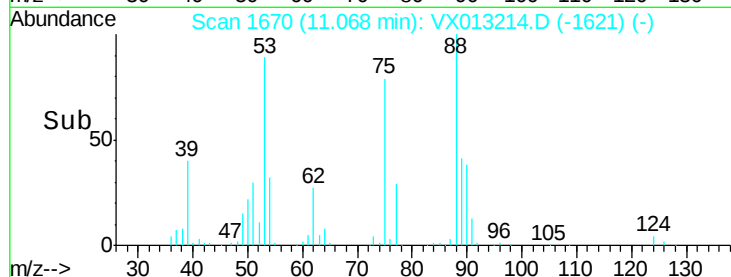
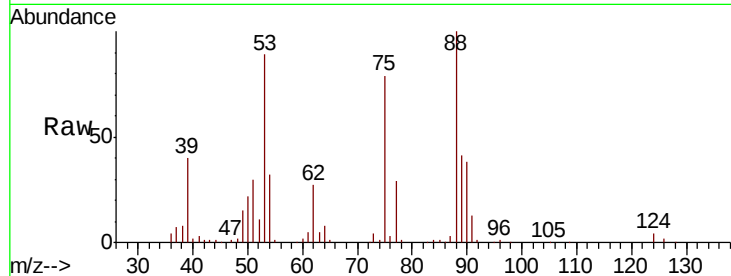
#81
trans-1,4-Dichloro-2-butene
Concen: 50.404 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.4	77.9	116.9
89	48.2	37.3	55.9

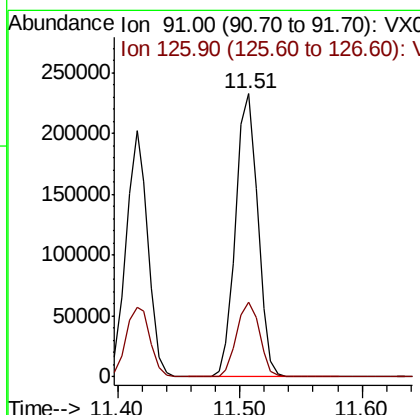
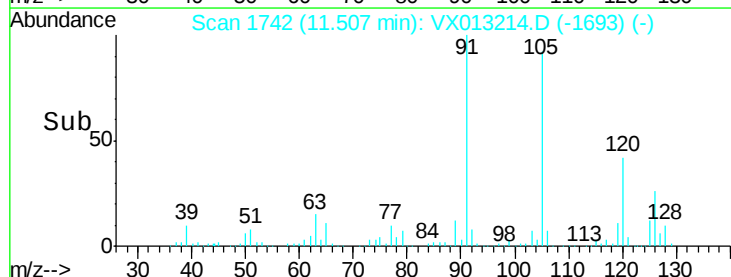
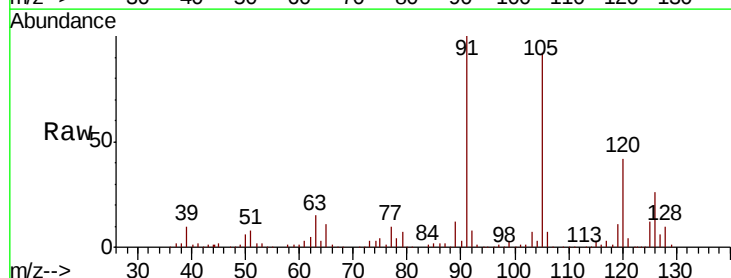
Manual Integrations
APPROVED

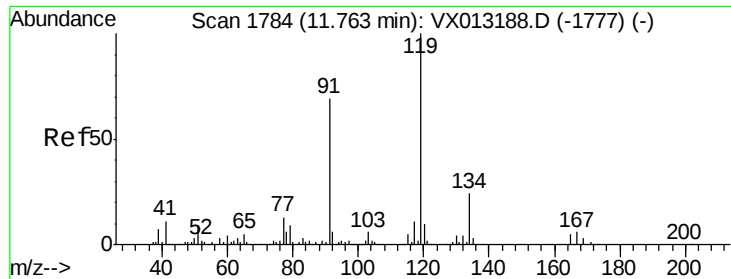
MMDadoda
10/28/2019 12:53:40 PM



#82
4-Chlorotoluene
Concen: 50.166 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.6	44.0





#83

tert-Butylbenzene

Concen: 49.794 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

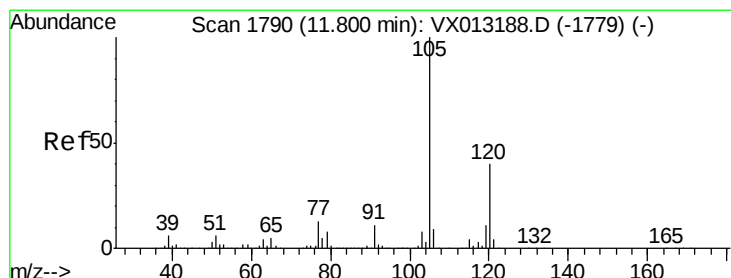
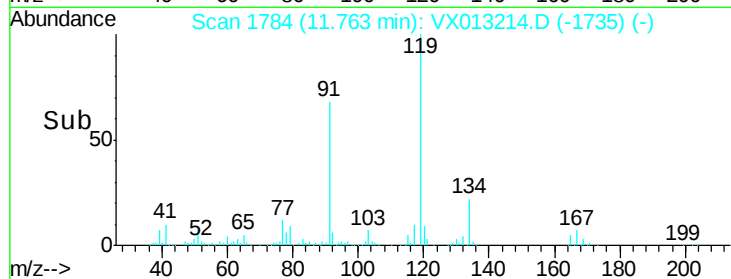
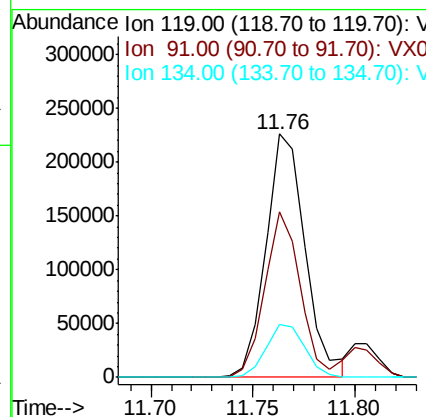
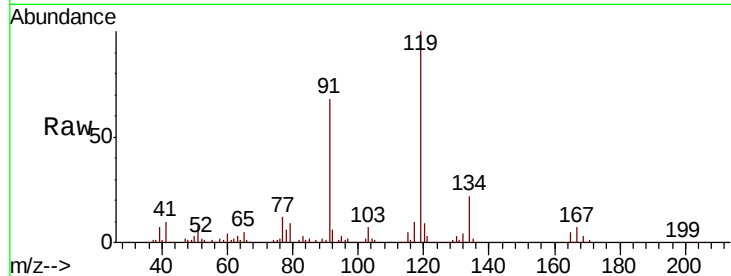
ClientSampleId :

S32-0670MS

Tot Ion:	119	Resp:	305103
Ion Ratio	Lower	Upper	
119	100		
91	61.2	30.8	92.4
134	21.4	11.5	34.5

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#84

1,2,4-Trimethylbenzene

Concen: 50.623 ug/l

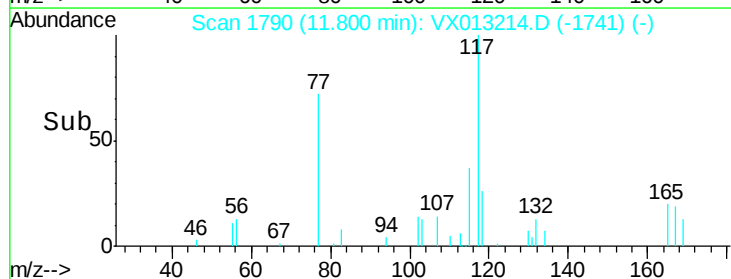
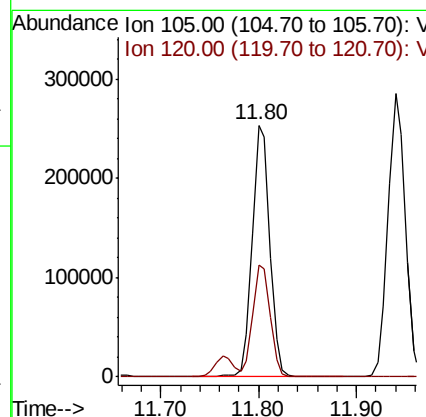
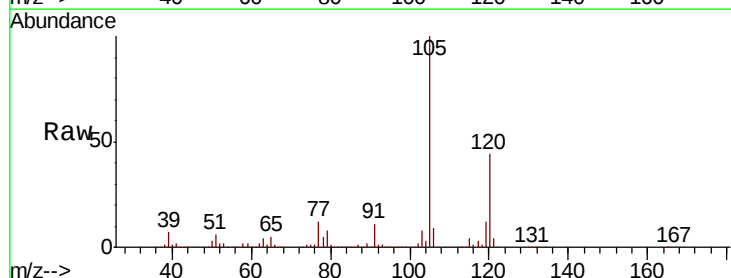
RT: 11.80 min Scan# 1790

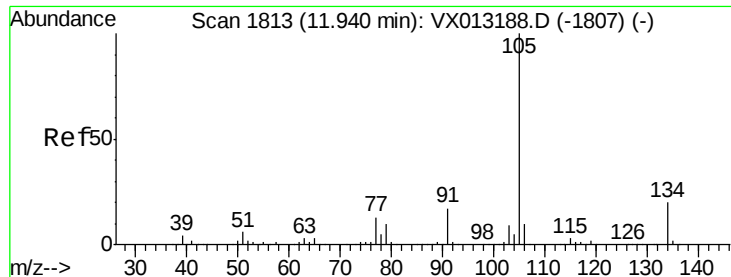
Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion:	105	Resp:	316234
Ion Ratio	Lower	Upper	
105	100		
120	44.1	21.4	64.3





#85

sec-Butylbenzene

Concen: 50.296 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

Tot Ion:105 Resp: 350702

Ion Ratio Lower Upper

105 100

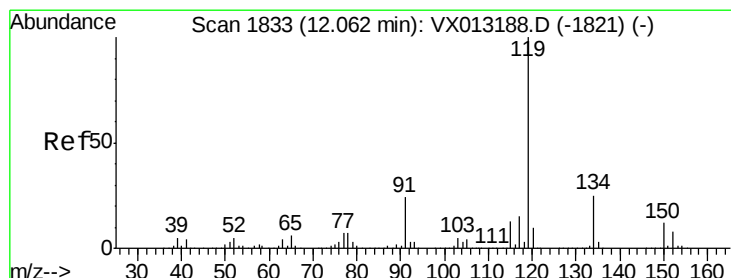
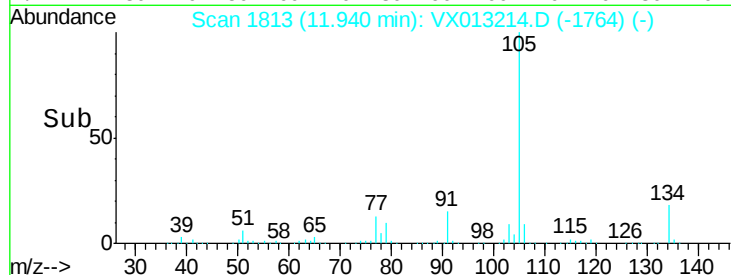
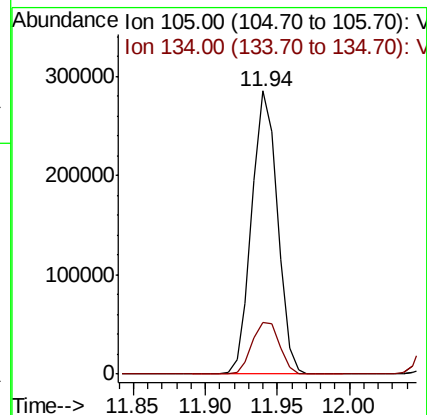
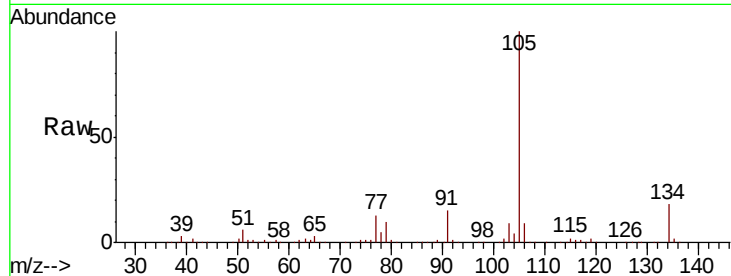
134 19.6 9.9 29.7

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:40 PM



#86

p-Isopropyltoluene

Concen: 50.426 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

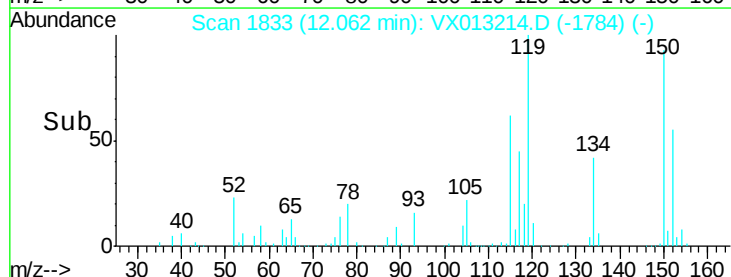
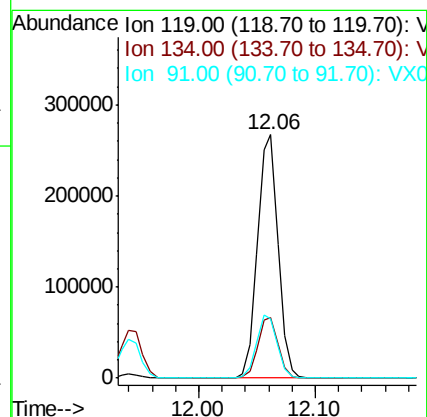
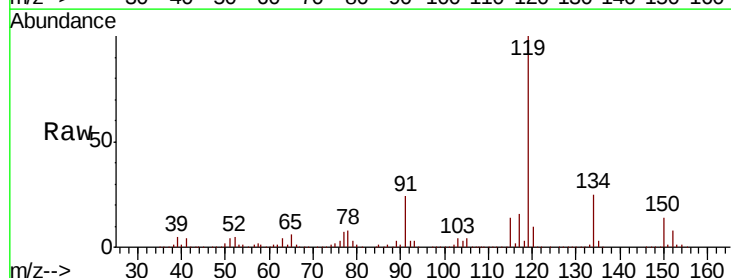
Tgt Ion:119 Resp: 330327

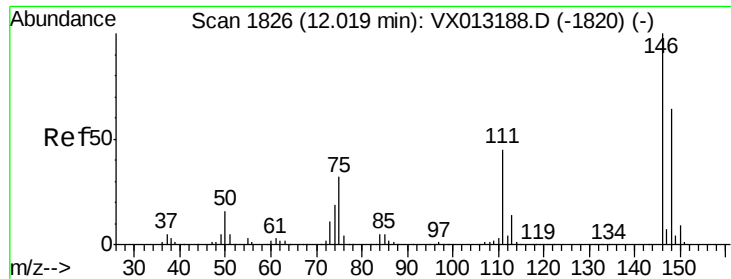
Ion Ratio Lower Upper

119 100

134 24.5 12.5 37.5

91 25.8 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 49.851 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

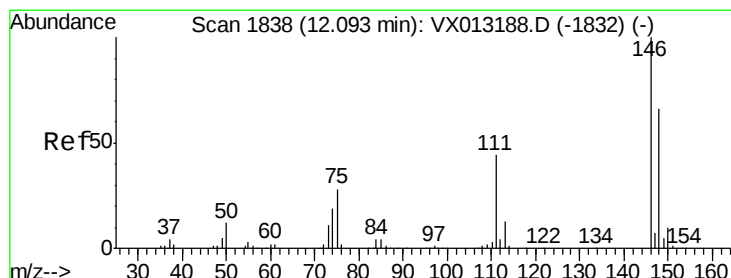
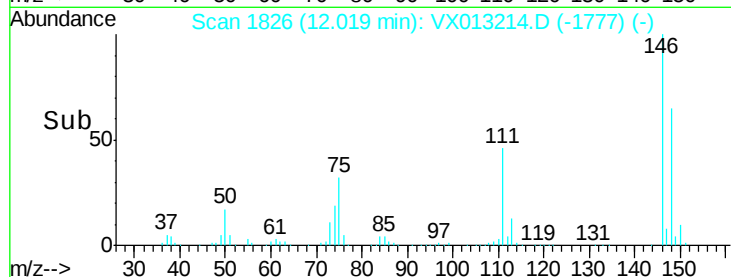
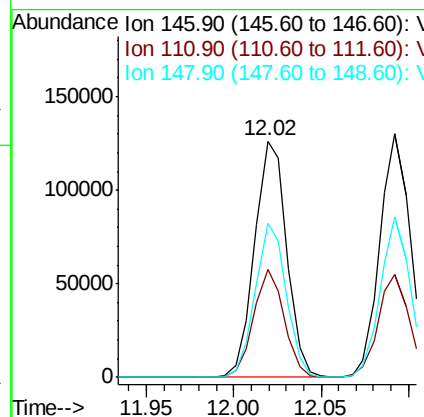
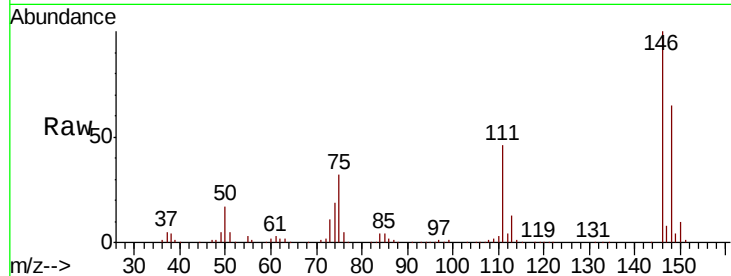
ClientSampleId :

S32-0670MS

Tot Ion:	146	Resp:	160825
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.3	63.9
148	63.2	31.6	94.8

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#88

1,4-Dichlorobenzene

Concen: 48.144 ug/l

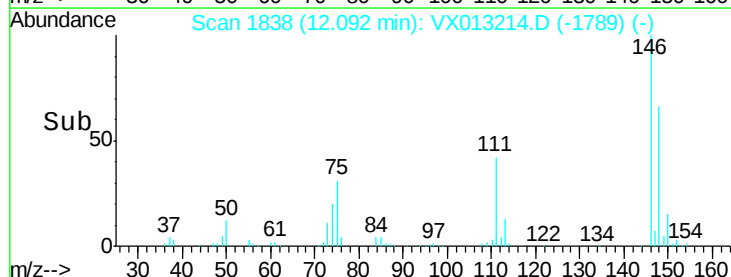
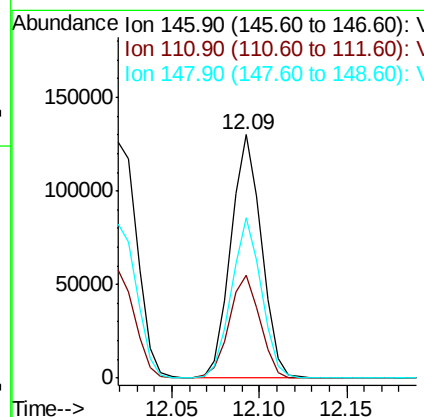
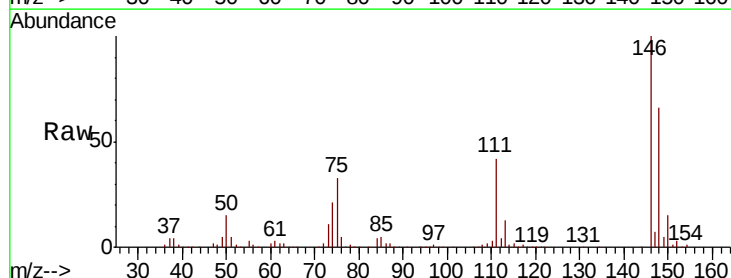
RT: 12.09 min Scan# 1838

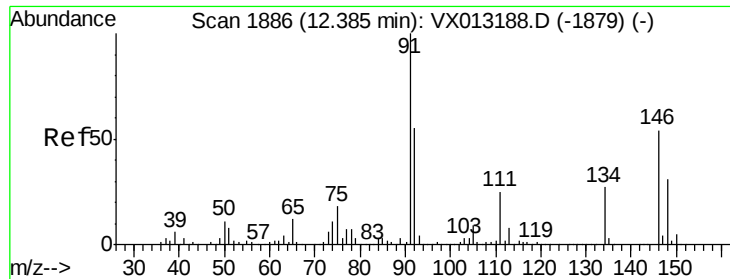
Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion:	146	Resp:	158139
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.3	63.9
148	64.4	32.5	97.5





#89

n-Butylbenzene

Concen: 50.276 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

Tot Ion: 91 Resp: 269419

Ion Ratio Lower Upper

91 100

92 53.5 27.7 83.1

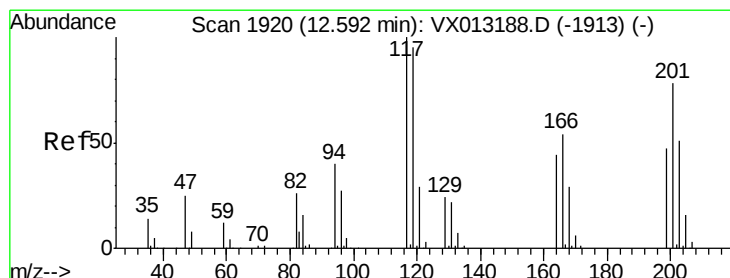
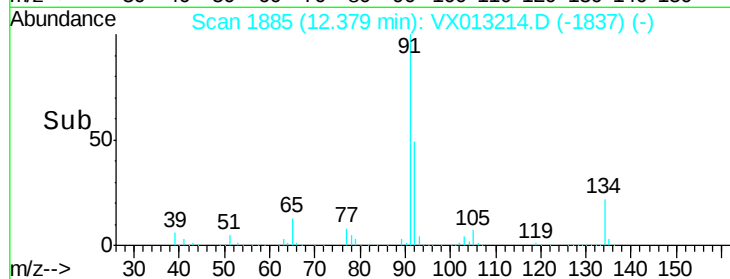
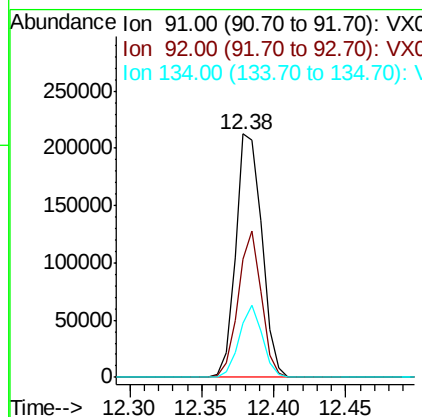
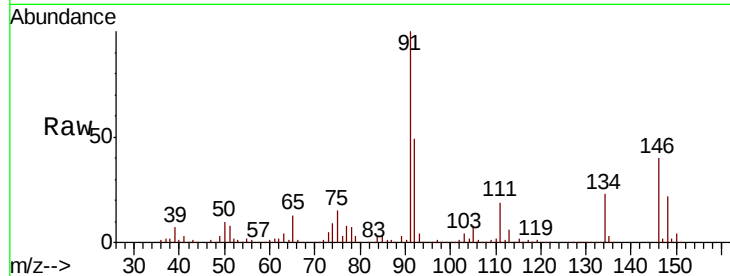
134 26.2 13.2 39.6

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:40 PM



#90

Hexachloroethane

Concen: 51.674 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013214.D

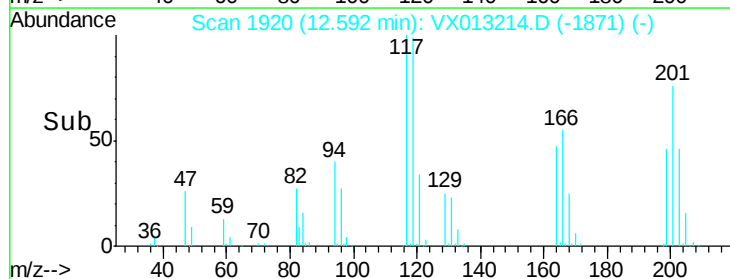
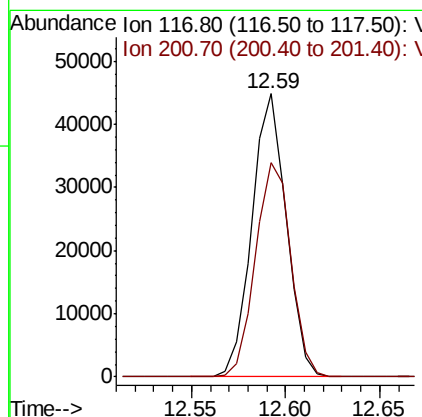
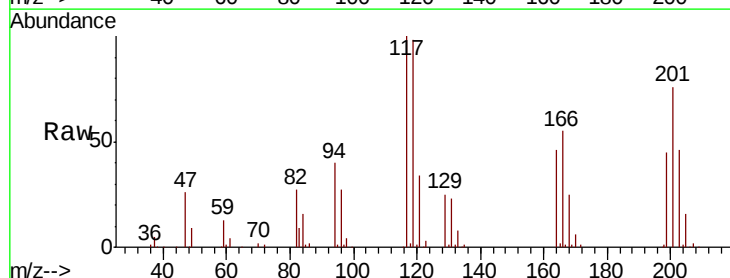
Acq: 24 Oct 2019 16:15

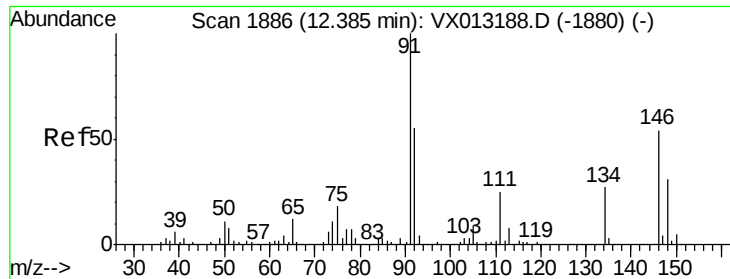
Tgt Ion: 117 Resp: 56688

Ion Ratio Lower Upper

117 100

201 77.9 39.0 116.9





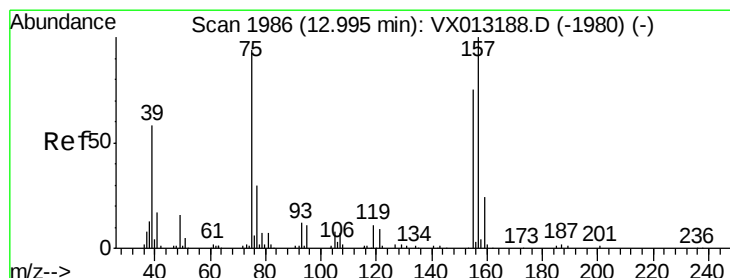
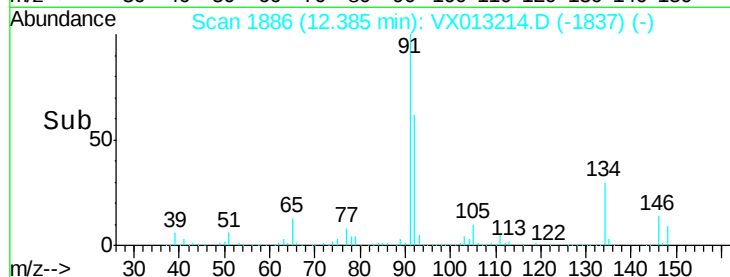
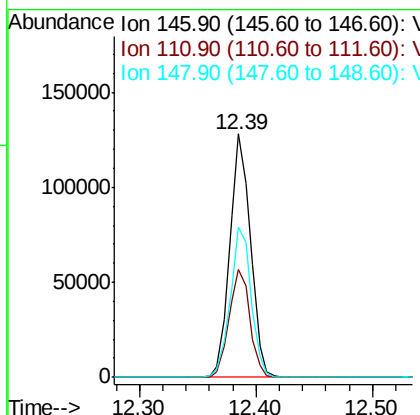
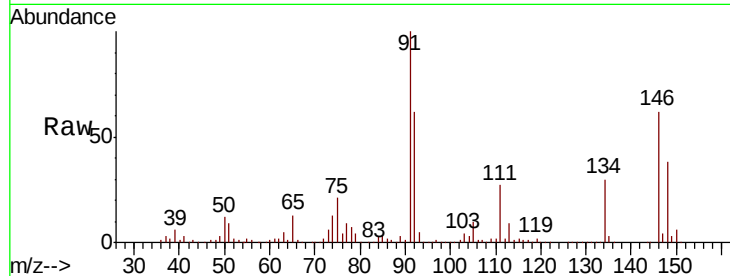
#91
 1,2-Dichlorobenzene
 Concen: 49.852 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	158151		
111	44.7	22.9	68.8	
148	62.4	31.8	95.3	

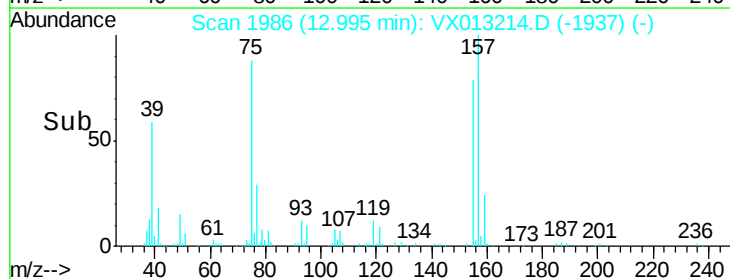
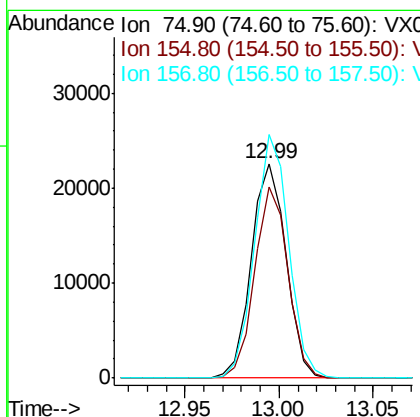
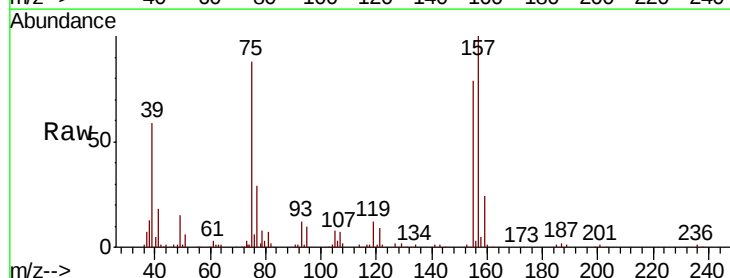
Manual Integrations
 APPROVED

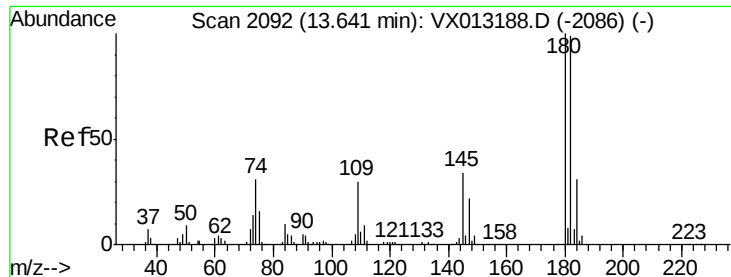
MMDadoda
 10/28/2019 12:53:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.314 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28869		
155	85.2	42.8	128.4	
157	111.3	54.3	162.8	





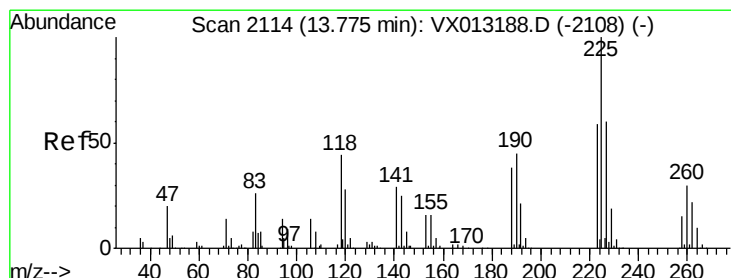
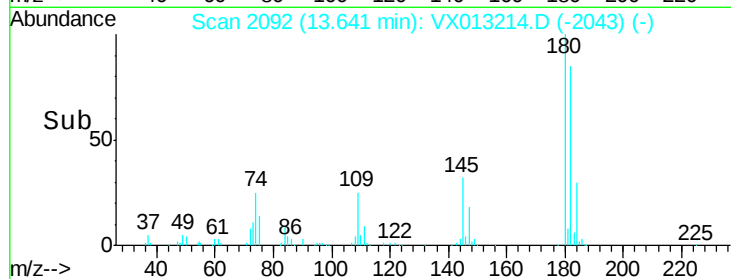
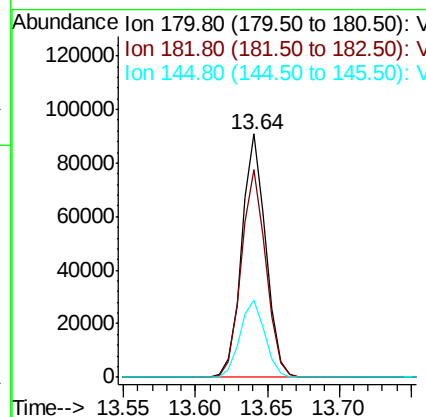
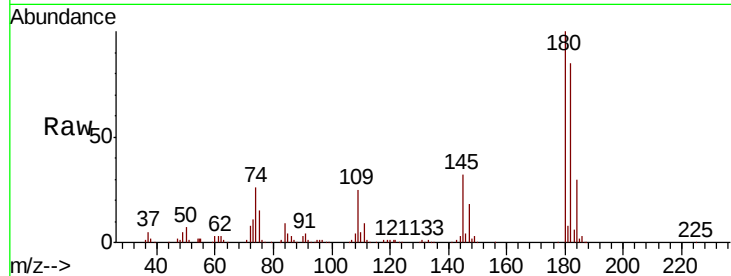
#93
 1,2,4-Trichlorobenzene
 Concen: 52.651 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105178		
182	87.8	45.9	137.6	
145	33.3	15.9	47.6	

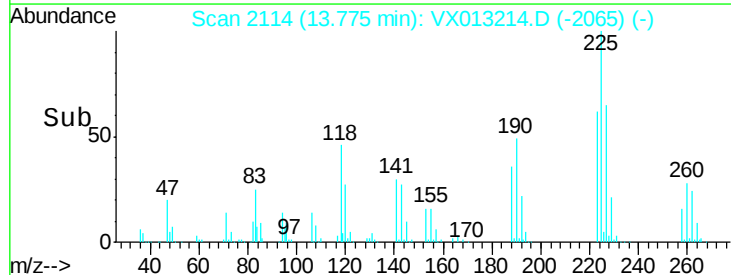
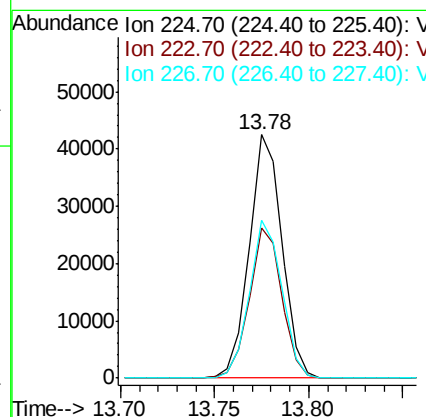
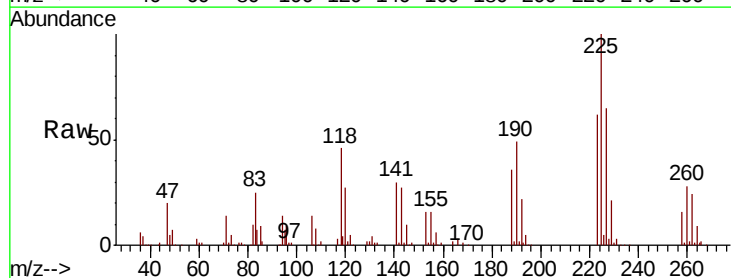
Manual Integrations
 APPROVED

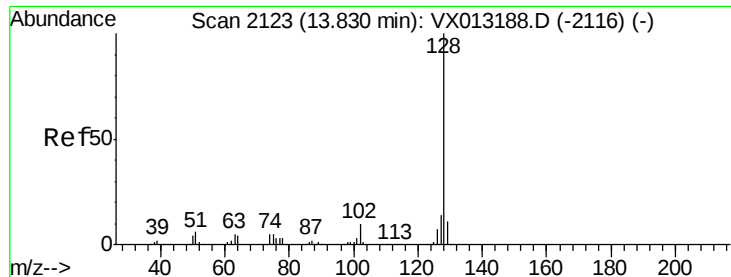
MMDadoda
 10/28/2019 12:53:40 PM



#94
 Hexachlorobutadiene
 Concen: 49.517 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51168		
223	61.3	30.9	92.5	
227	64.0	30.3	90.9	





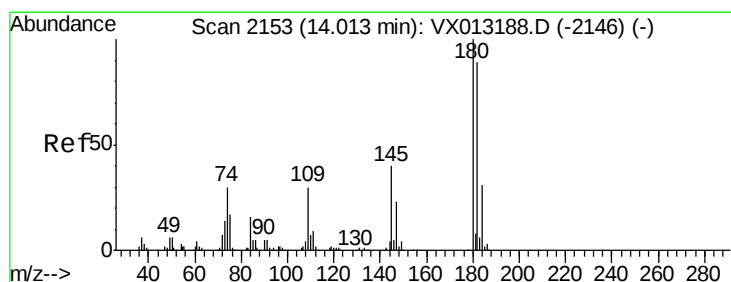
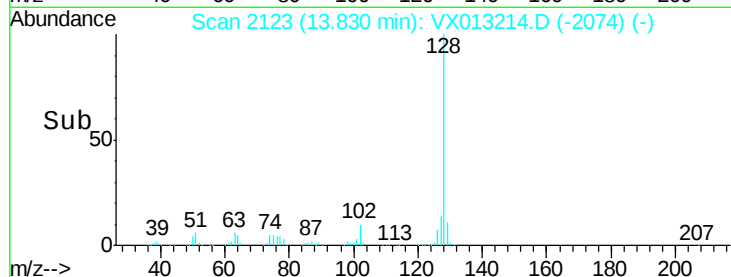
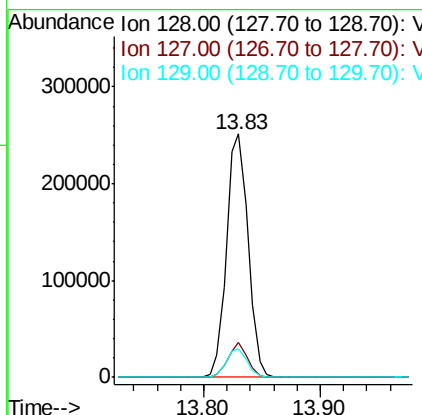
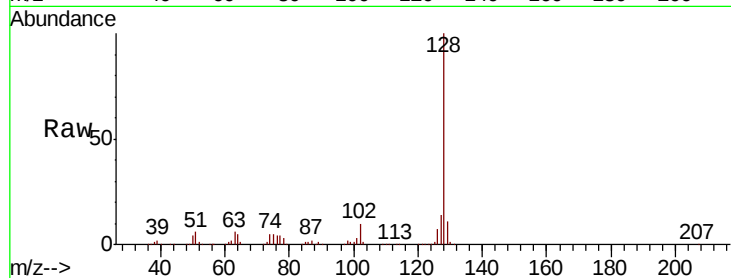
#95
Naphthalene
Concen: 52.460 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.006 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.4	48.3	144.9
145	34.8	18.6	55.6

