

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090319\
 Data File : VX012026.D
 Acq On : 03 Sep 2019 17:06
 Operator : SY/SP
 Sample : VX0903SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Manual Integrations
 APPROVED

sam
 9/4/2019 4:45:58 PM

Quant Time: Sep 04 04:11:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	137202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	256119	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	115943	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	96276	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	5.48	113	78238	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	8.71	98	302121	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	11.14	95	130738	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	24850	19.641	ug/l	99
3) Chloromethane	1.31	50	24958	19.261	ug/l	97
4) Vinyl Chloride	1.39	62	22439	18.406	ug/l	98
5) Bromomethane	1.62	94	11520	19.049	ug/l	94
6) Chloroethane	1.70	64	14373	18.965	ug/l	96
7) Trichlorofluoromethane	1.91	101	35010	18.490	ug/l	97
8) Diethyl Ether	2.17	74	13198	20.170	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27094	19.319	ug/l #	82
10) Methyl Iodide	2.50	142	15754	16.533	ug/l	92
11) Tert butyl alcohol	3.03	59	19801	108.896	ug/l #	92
12) 1,1-Dichloroethene	2.36	96	25279	18.711	ug/l	92
13) Acrolein	2.28	56	6841	135.170	ug/l	93
14) Allyl chloride	2.72	41	47635	19.486	ug/l	99
15) Acrylonitrile	3.13	53	43006	104.593	ug/l	99
16) Acetone	2.43	43	43944	97.115	ug/l	99
17) Carbon Disulfide	2.55	76	65725	16.646	ug/l	100
18) Methyl Acetate	2.76	43	22555	21.159	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	90500	20.576	ug/l	99
20) Methylene Chloride	2.84	84	34751	19.125	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	29797	18.795	ug/l	94
22) Diisopropyl ether	3.84	45	101604	20.391	ug/l	94
23) Vinyl Acetate	3.80	43	324486	100.669	ug/l	100
24) 1,1-Dichloroethane	3.68	63	57344	19.843	ug/l	98
25) 2-Butanone	4.66	43	58711	101.930	ug/l	99
26) 2,2-Dichloropropane	4.56	77	52146	19.544	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	35896	19.316	ug/l	91
28) Bromochloromethane	5.00	49	23665	20.515	ug/l #	80
29) Tetrahydrofuran	5.12	42	35942	103.569	ug/l	99
30) Chloroform	5.20	83	61421	19.808	ug/l	100
31) Cyclohexane	5.56	56	42146	18.159	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	53550	19.828	ug/l	96
36) 1,1-Dichloropropene	5.79	75	40906	18.134	ug/l	97
37) Ethyl Acetate	4.82	43	24474	19.952	ug/l	98
38) Carbon Tetrachloride	5.77	117	44692	18.802	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090319\
 Data File : VX012026.D
 Acq On : 03 Sep 2019 17:06
 Operator : SY/SP
 Sample : VX0903SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0903SBS01

Manual Integrations
 APPROVED

sam
 9/4/2019 4:45:58 PM

Quant Time: Sep 04 04:11:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	47547	18.161	ug/l	93
40) Benzene	6.13	78	125007	19.304	ug/l	99
41) Methacrylonitrile	5.02	41	15146	20.705	ug/l	98
42) 1,2-Dichloroethane	6.18	62	46502	19.954	ug/l	98
43) Isopropyl Acetate	6.43	43	50293	20.164	ug/l	99
44) Trichloroethene	7.20	130	32979	18.881	ug/l	82
45) 1,2-Dichloropropane	7.50	63	32842	19.629	ug/l	98
46) Dibromomethane	7.65	93	19728	20.198	ug/l #	71
47) Bromodichloromethane	7.89	83	49456	19.921	ug/l	94
48) Methyl methacrylate	7.76	41	24825	19.795	ug/l	98
49) 1,4-Dioxane	7.73	88	7672	448.754	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	130073	102.528	ug/l	99
52) Toluene	8.78	92	81439	19.328	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	50475	19.638	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	55770	19.512	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	28283	20.255	ug/l	98
56) Ethyl methacrylate	9.17	69	40039	20.018	ug/l	98
57) 1,3-Dichloropropane	9.37	76	48223	20.013	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	93889	104.121	ug/l	94
59) 2-Hexanone	9.48	43	93464	100.965	ug/l	100
60) Dibromochloromethane	9.57	129	33333	20.029	ug/l	99
61) 1,2-Dibromoethane	9.67	107	26888	19.927	ug/l	97
64) Tetrachloroethene	9.33	164	26808	18.154	ug/l #	86
65) Chlorobenzene	10.14	112	90907	19.451	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	33417	19.555	ug/l	97
67) Ethyl Benzene	10.25	91	166007	19.487	ug/l	96
68) m/p-Xylenes	10.36	106	120823	38.494	ug/l	91
69) o-Xylene	10.70	106	59774	19.639	ug/l	92
70) Styrene	10.71	104	105343	19.927	ug/l	96
71) Bromoform	10.85	173	18520	19.731	ug/l #	99
73) Isopropylbenzene	11.01	105	159914	18.798	ug/l	97
74) N-amyl acetate	10.89	43	49899	19.839	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	35264	19.884	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	26340m	18.593	ug/l	
77) Bromobenzene	11.25	156	36252	19.054	ug/l #	68
78) n-propylbenzene	11.35	91	194989	18.973	ug/l	94
79) 2-Chlorotoluene	11.42	91	119970	19.268	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	143592	19.261	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	11107	18.536	ug/l	94
82) 4-Chlorotoluene	11.51	91	144618	19.487	ug/l	91
83) tert-Butylbenzene	11.77	119	137978	19.419	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	146060	19.063	ug/l	94
85) sec-Butylbenzene	11.94	105	168281	19.067	ug/l	94
86) p-Isopropyltoluene	12.06	119	150212	18.715	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	73436	19.262	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	73975	19.406	ug/l	93
89) n-Butylbenzene	12.39	91	148973	19.107	ug/l	96
90) Hexachloroethane	12.59	117	30255	18.879	ug/l	54
91) 1,2-Dichlorobenzene	12.39	146	68710	20.011	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7621	20.535	ug/l	64

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090319\
Data File : VX012026.D
Acq On : 03 Sep 2019 17:06
Operator : SY/SP
Sample : VX0903SBS01
Misc : 5.00µ/5.0mL/MSVOA X/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM

Quant Time: Sep 04 04:11:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	47669	19.505	ug/l	94
94) Hexachlorobutadiene	13.78	225	23798	19.318	ug/l	99
95) Naphthalene	13.83	128	107702	20.362	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	43365	20.169	ug/l	95

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

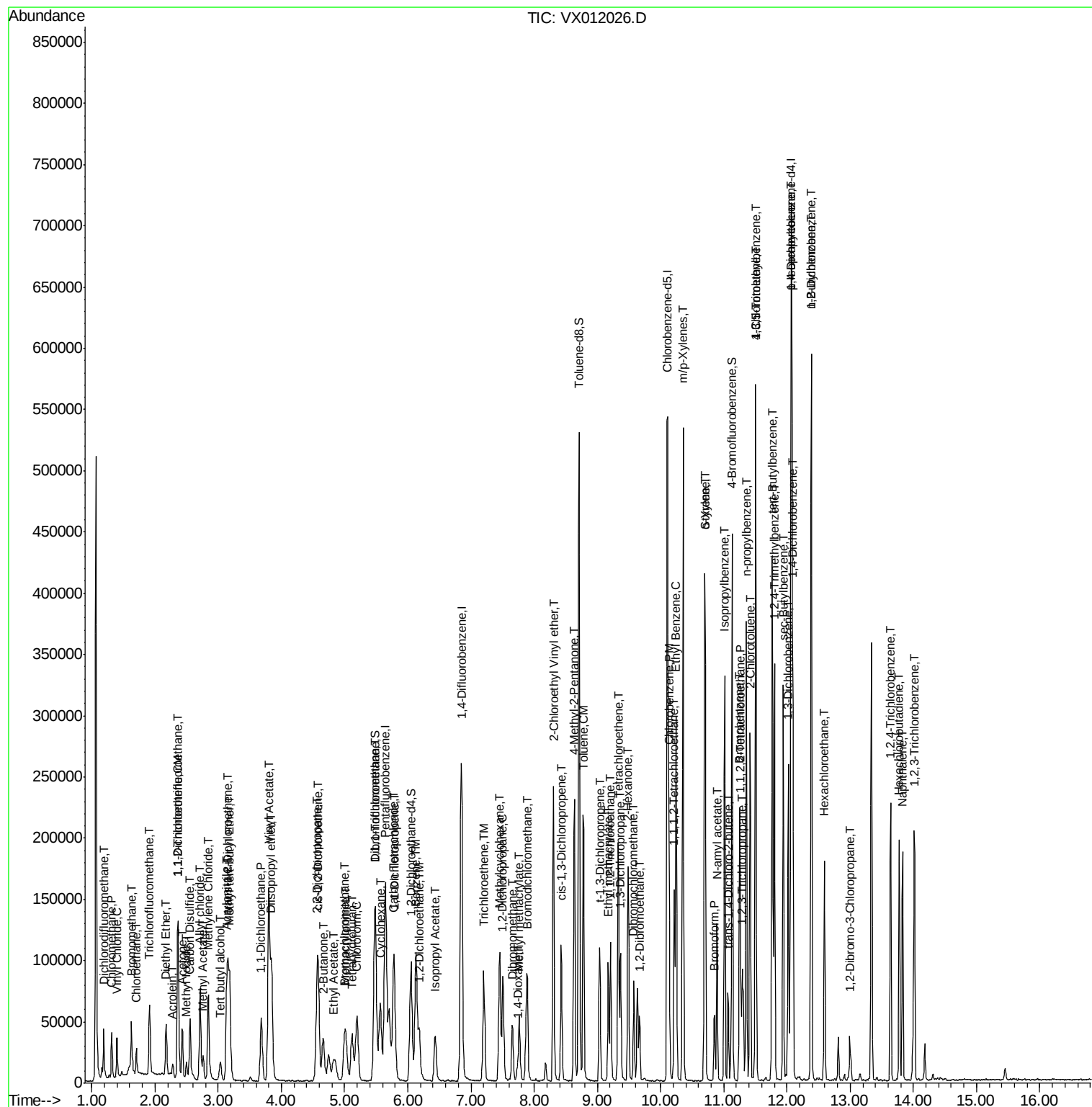
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090319\
Data File : VX012026.D
Acq On : 03 Sep 2019 17:06
Operator : SY/SP
Sample : VX0903SBS01
Misc : 5.00µ/5.0mL/MSVOA X/SOIL
ALS Vial : 10 Sample Multiplier: 1

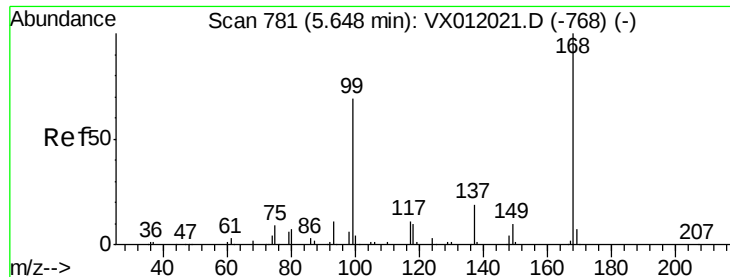
Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM

Quant Time: Sep 04 04:11:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion:168 Resp: 137202

Ion Ratio Lower Upper

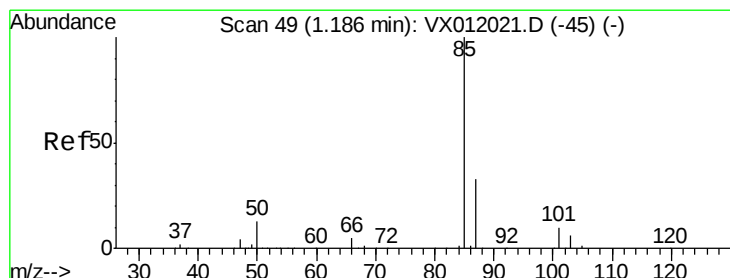
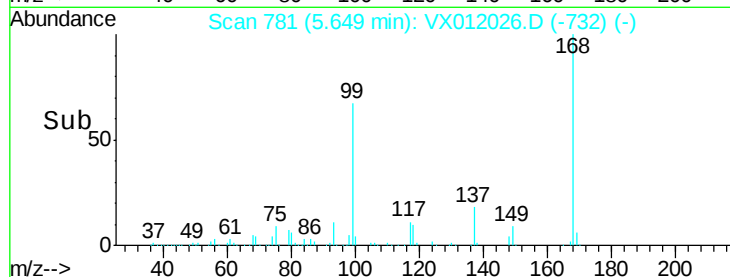
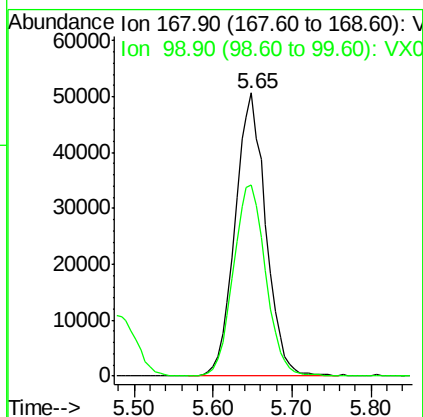
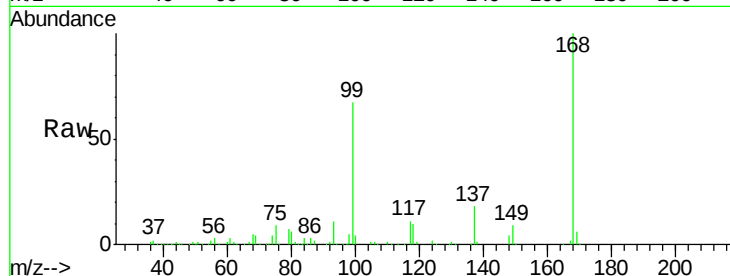
168 100

99 67.2 37.6 56.4#

Manual Integrations
APPROVED

sam

9/4/2019 4:45:58 PM



#2

Dichlorodifluoromethane

Concen: 19.641 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012026.D

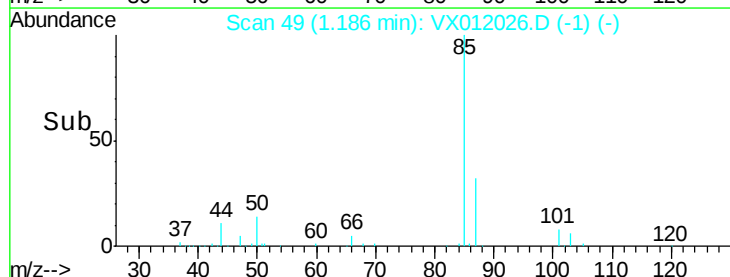
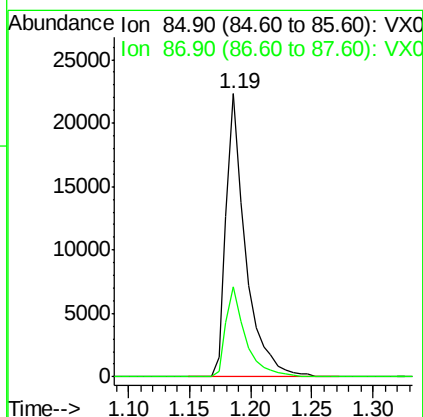
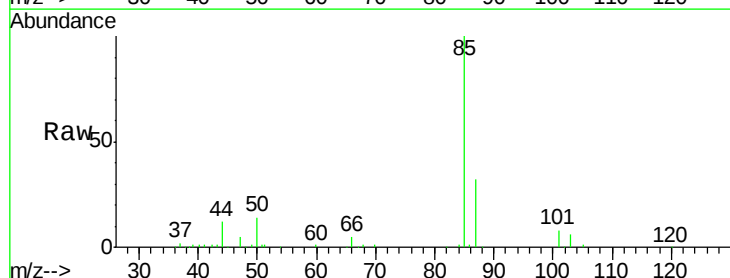
Acq: 03 Sep 2019 17:06

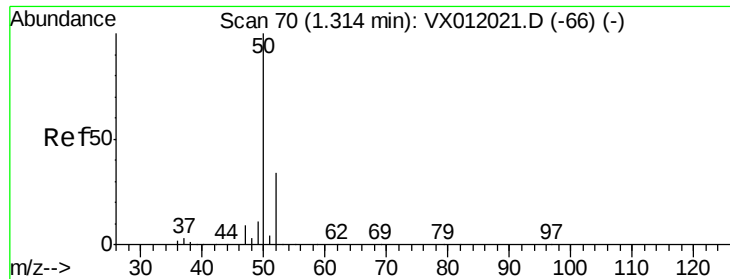
Tgt Ion: 85 Resp: 24850

Ion Ratio Lower Upper

85 100

87 31.8 15.6 46.8





#3

Chloromethane

Concen: 19.261 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 50 Resp: 24958

Ion Ratio Lower Upper

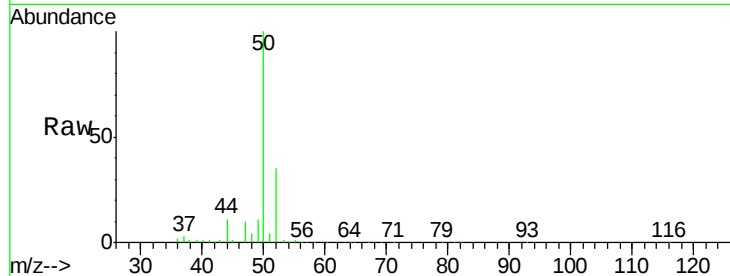
50 100

52 34.9 26.5 39.7

Manual Integrations
APPROVED

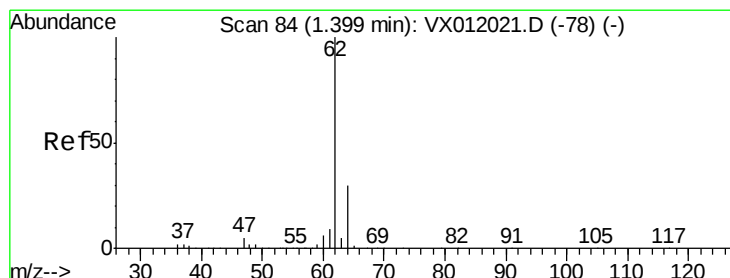
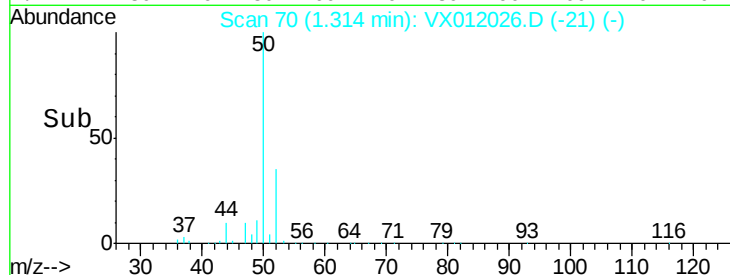
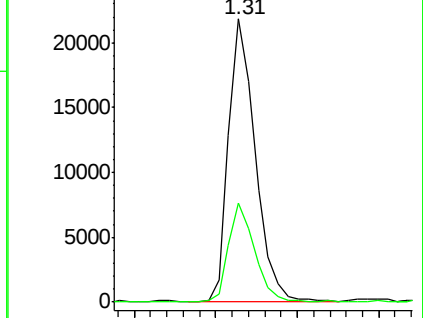
sam

9/4/2019 4:45:58 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.406 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012026.D

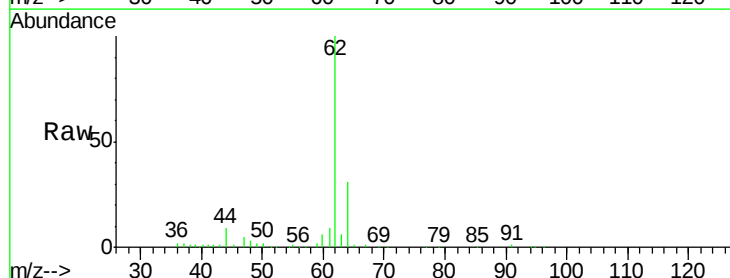
Acq: 03 Sep 2019 17:06

Tgt Ion: 62 Resp: 22439

Ion Ratio Lower Upper

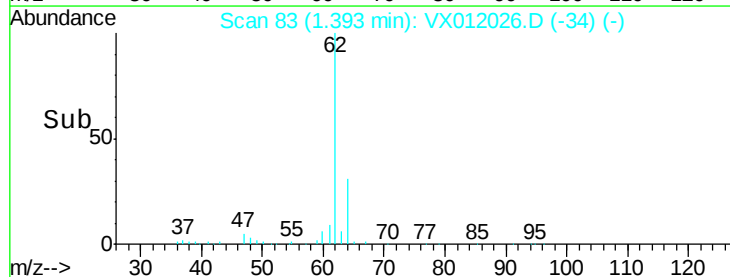
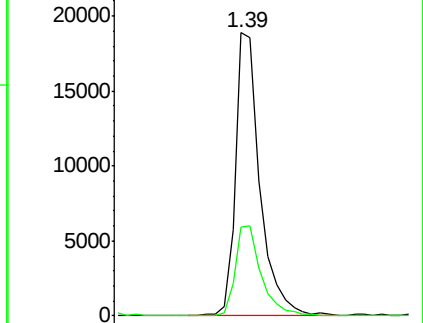
62 100

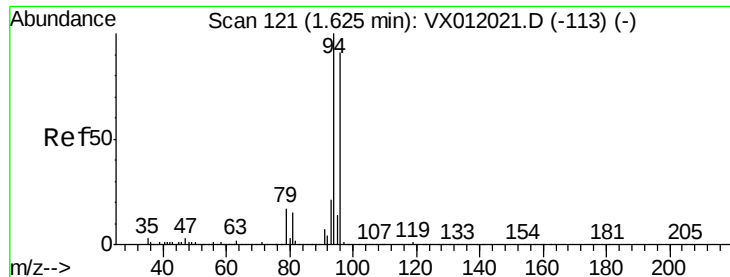
64 31.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.049 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 94 Resp: 11520

Ion Ratio Lower Upper

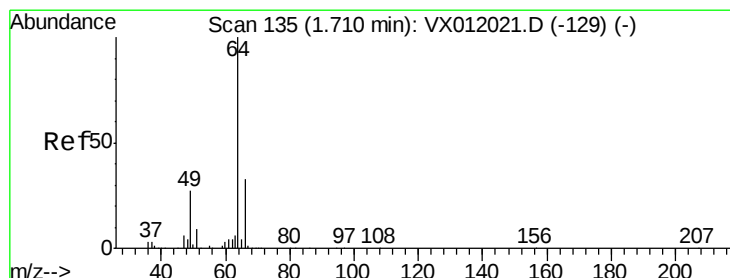
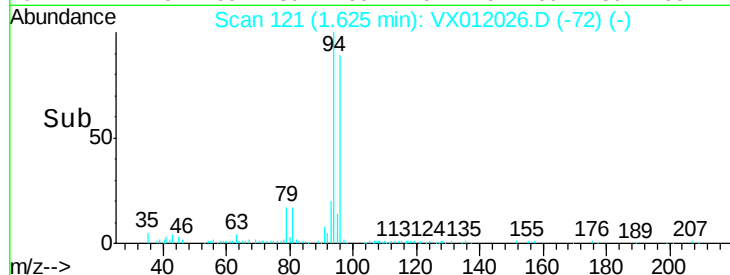
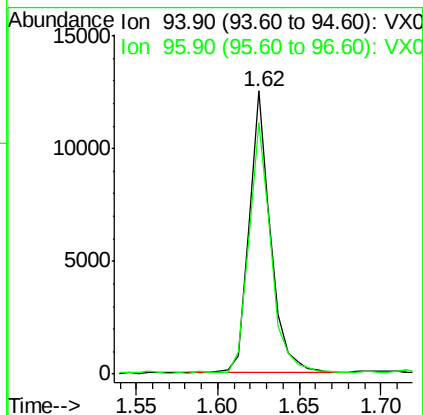
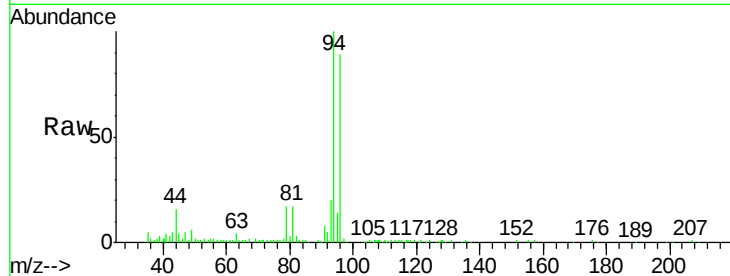
94 100

96 89.1 76.3 114.5

Manual Integrations
APPROVED

sam

9/4/2019 4:45:58 PM



#6

Chloroethane

Concen: 18.965 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012026.D

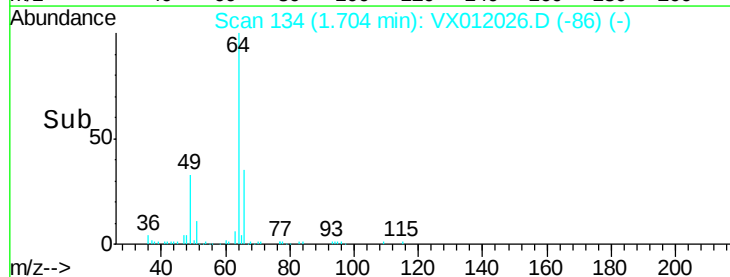
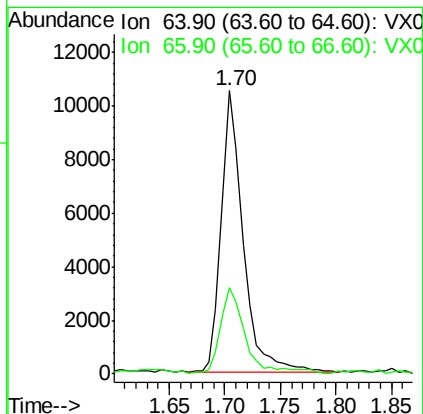
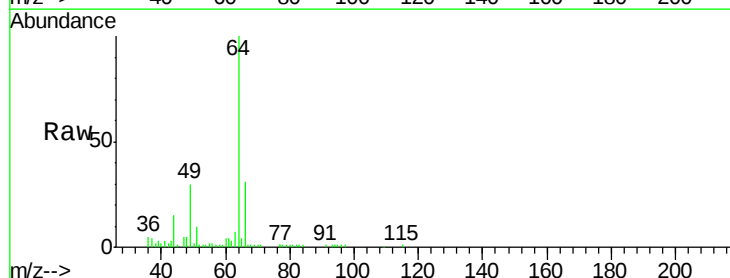
Acq: 03 Sep 2019 17:06

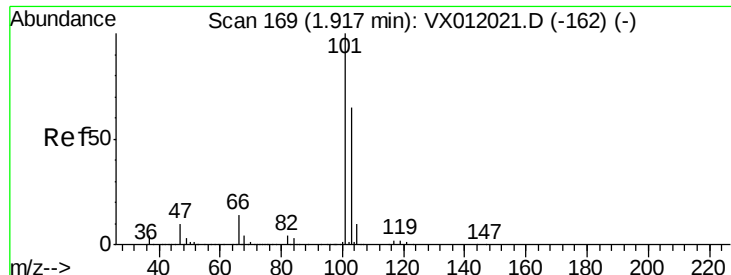
Tgt Ion: 64 Resp: 14373

Ion Ratio Lower Upper

64 100

66 30.9 26.3 39.5





#7

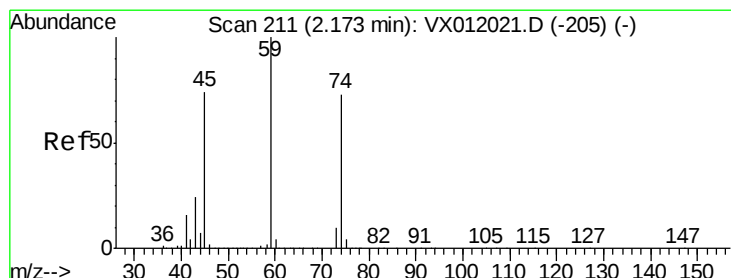
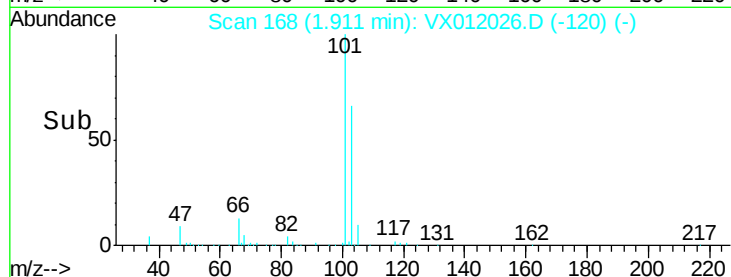
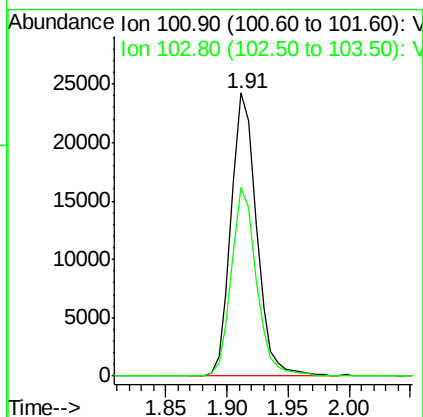
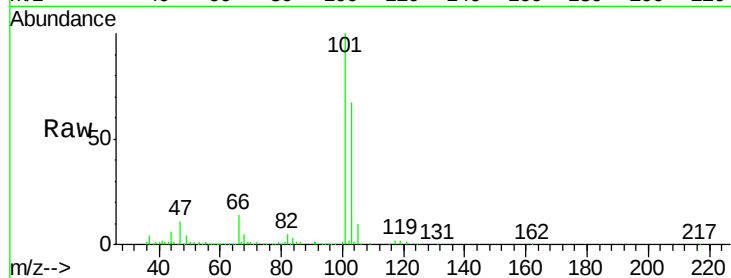
Trichlorofluoromethane
Concen: 18.490 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.6	77.4

Manual Integrations
APPROVED

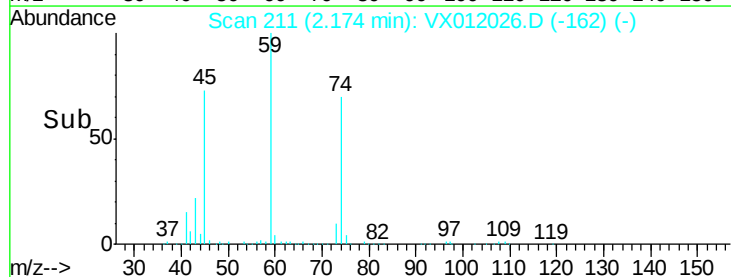
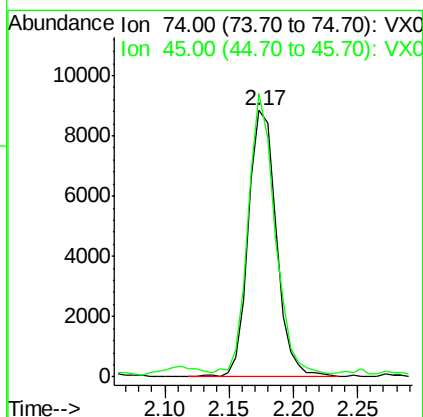
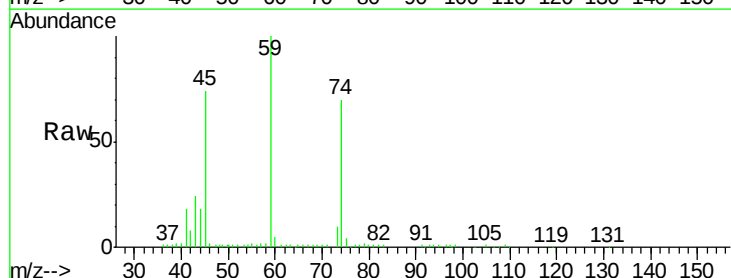
sam
9/4/2019 4:45:58 PM

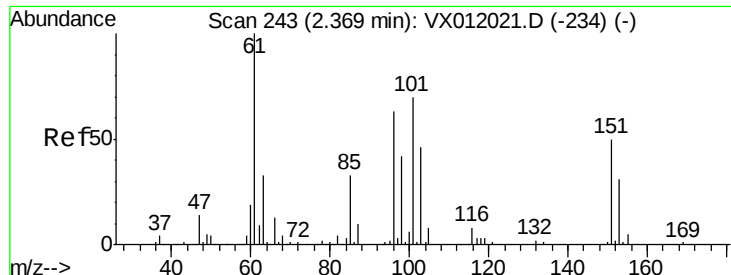


#8

Diethyl Ether
Concen: 20.170 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.319 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

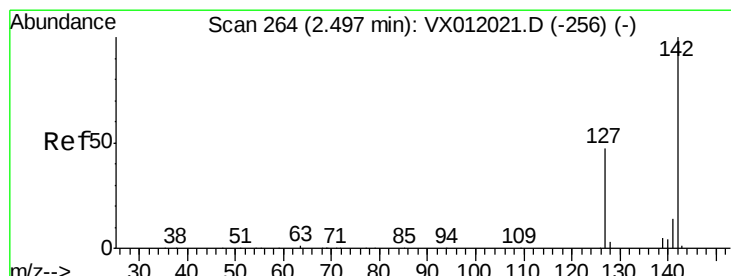
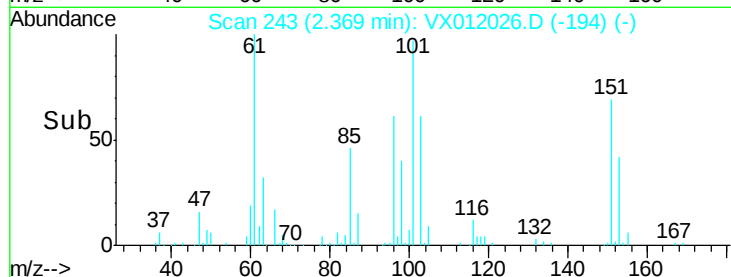
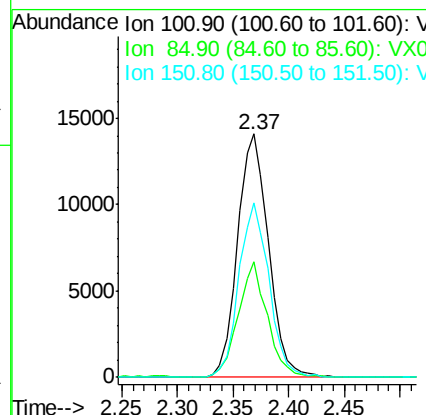
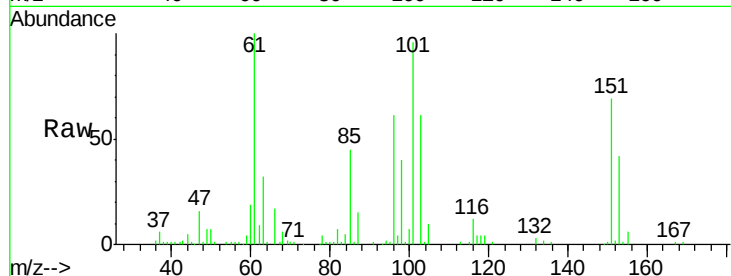
ClientSampleId :

VX0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	27094		
85	45.0	34.5	51.7	
151	69.8	75.0	112.4	

Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM



#10

Methyl Iodide

Concen: 16.533 ug/l

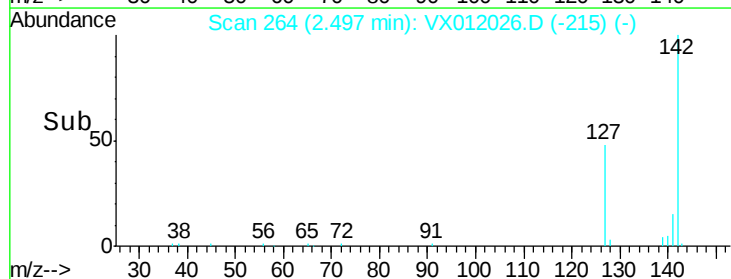
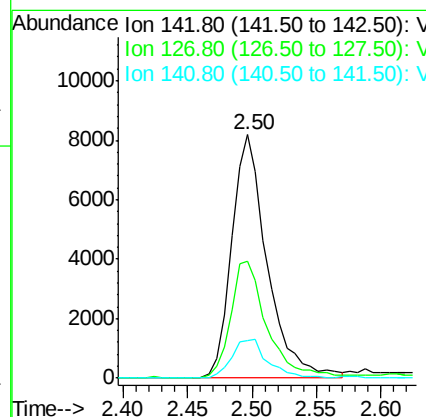
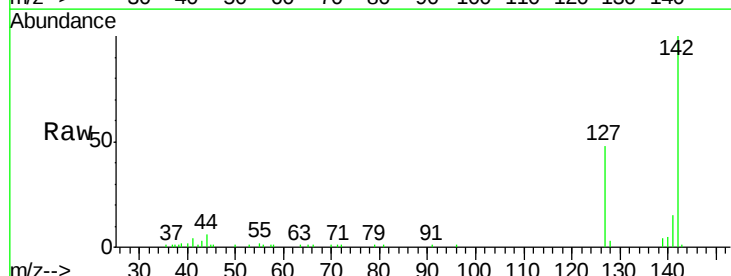
RT: 2.50 min Scan# 264

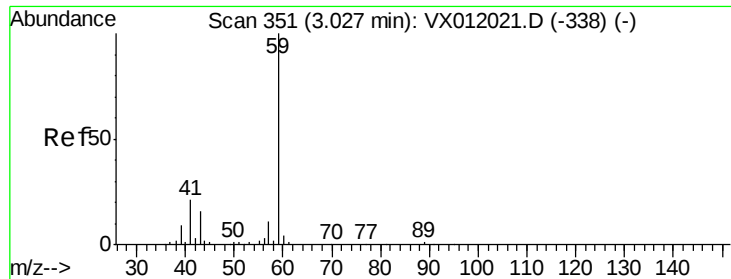
Delta R.T. 0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	15754		
127	50.2	35.4	53.2	
141	16.2	11.4	17.2	





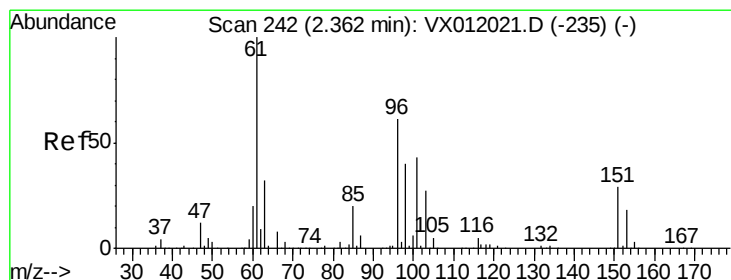
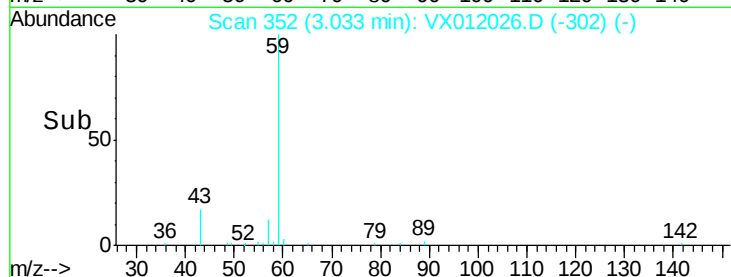
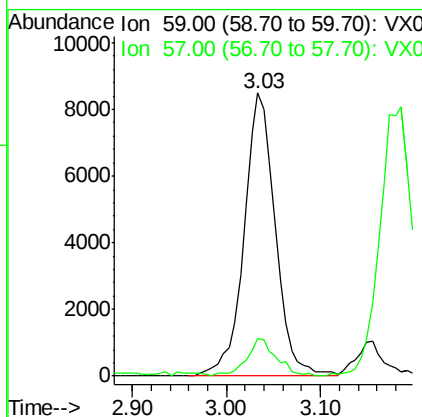
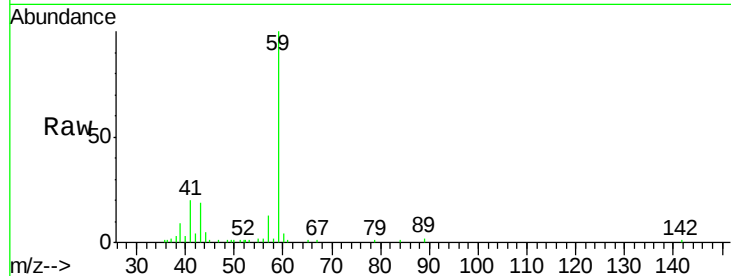
#11
Tert butyl alcohol
Concen: 108.896 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion: 59 Resp: 19801
Ion Ratio Lower Upper
59 100
57 12.7 7.9 11.9#

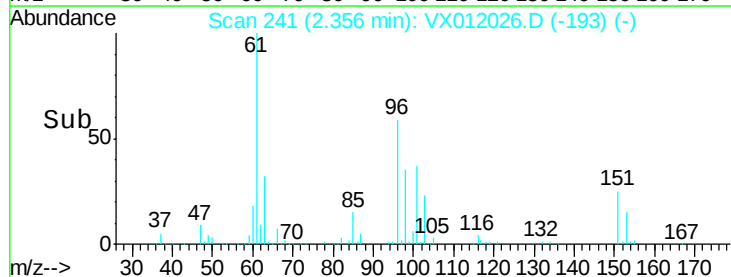
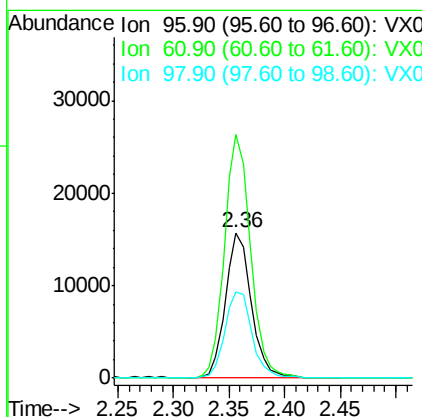
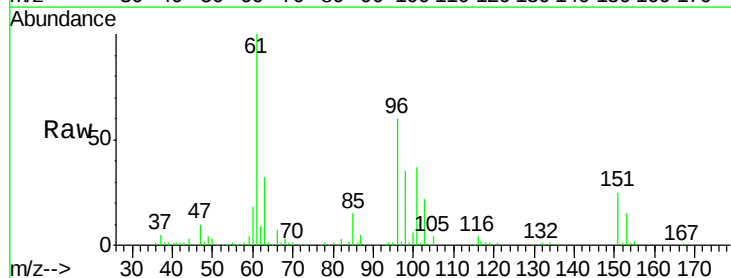
Manual Integrations
APPROVED

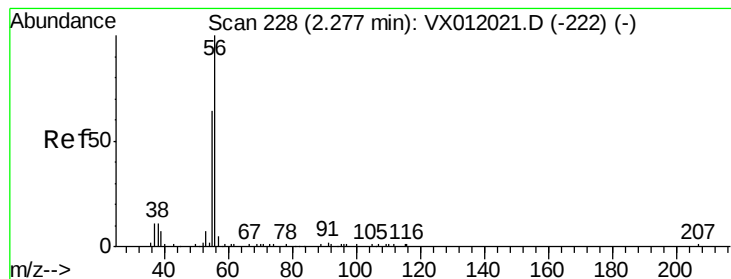
sam
9/4/2019 4:45:58 PM



#12
1,1-Dichloroethene
Concen: 18.711 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion: 96 Resp: 25279
Ion Ratio Lower Upper
96 100
61 167.7 124.1 186.1
98 59.3 50.2 75.2





#13

Acrolein

Concen: 135.170 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 56 Resp: 6841

Ion Ratio Lower Upper

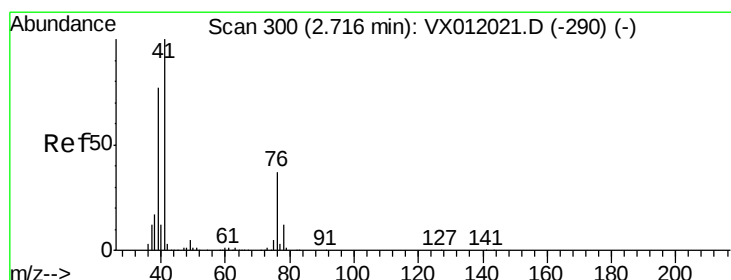
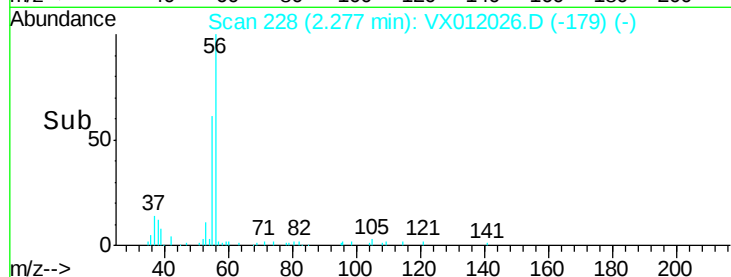
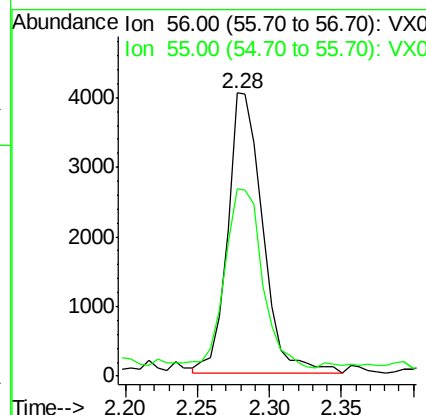
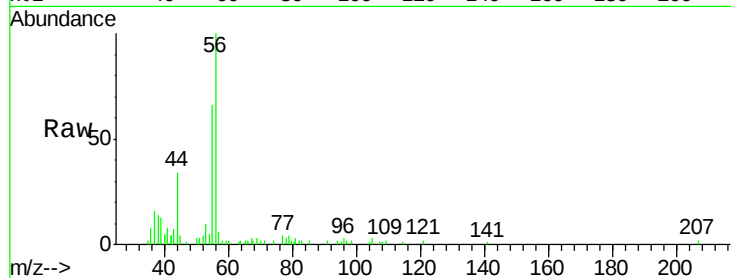
56 100

55 68.3 59.2 88.8

Manual Integrations
APPROVED

sam

9/4/2019 4:45:58 PM



#14

Allyl chloride

Concen: 19.486 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

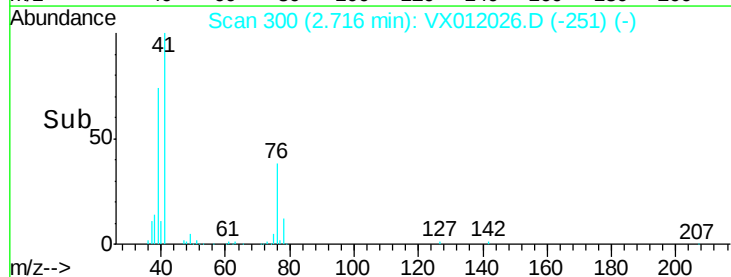
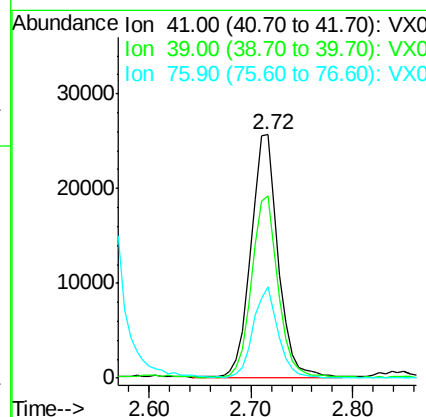
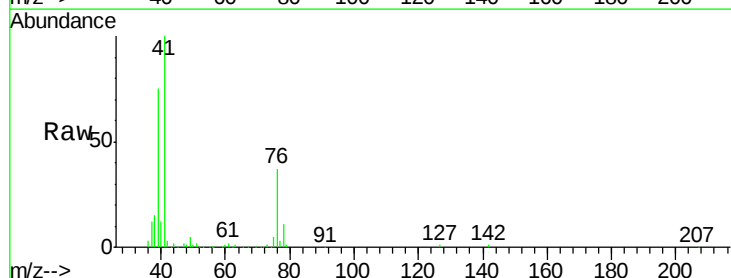
Tgt Ion: 41 Resp: 47635

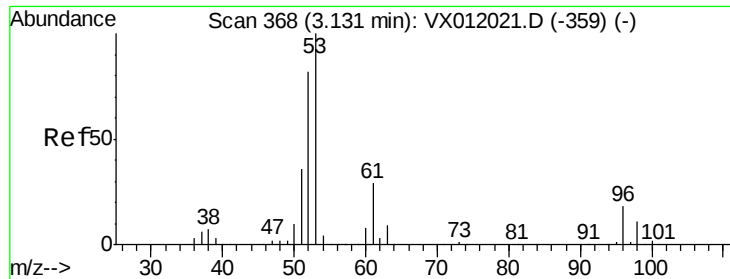
Ion Ratio Lower Upper

41 100

39 72.2 57.9 86.9

76 34.9 28.5 42.7





#15

Acrylonitrile

Concen: 104.593 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

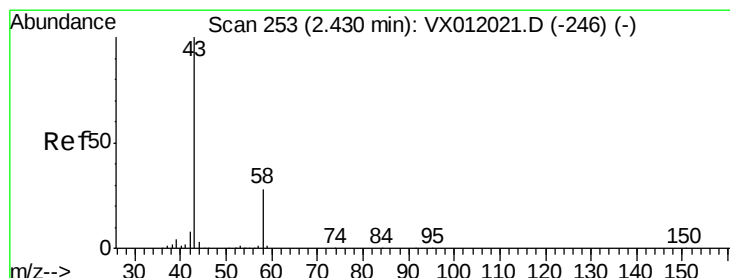
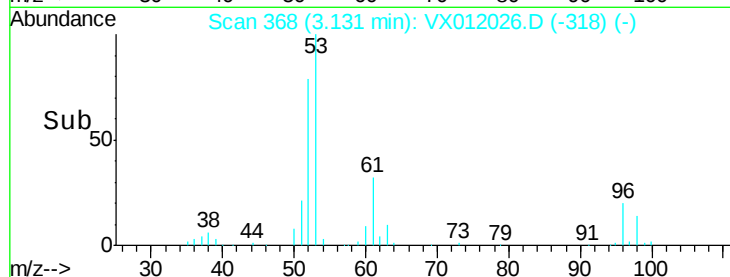
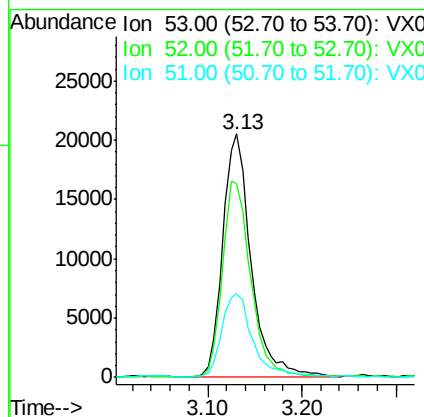
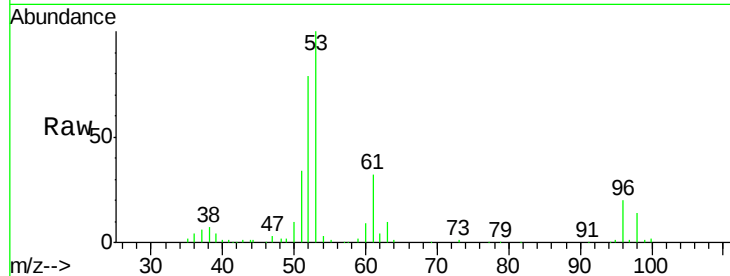
ClientSampleId :

VX0903SBS01

Tot Ion:	53	Resp:	43006
Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.6	98.4
51	37.6	29.8	44.6

Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM



#16

Acetone

Concen: 97.115 ug/l

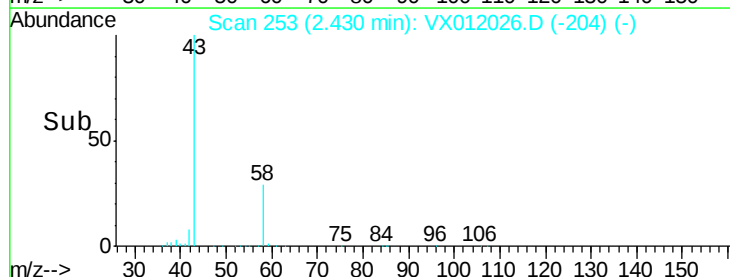
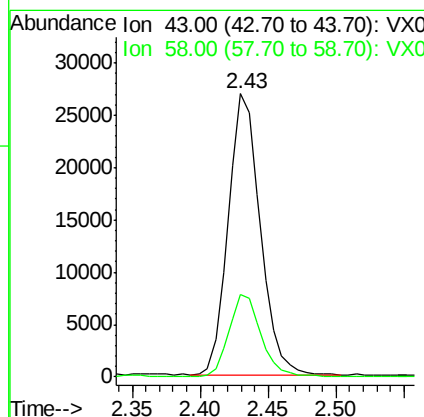
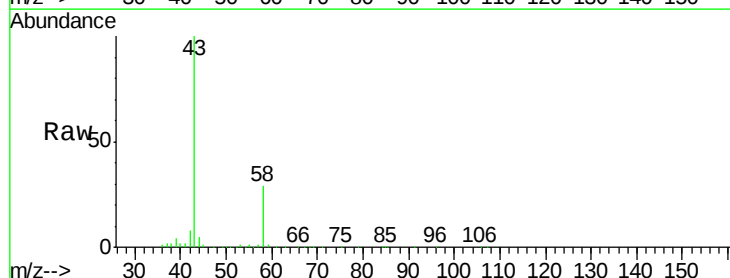
RT: 2.43 min Scan# 253

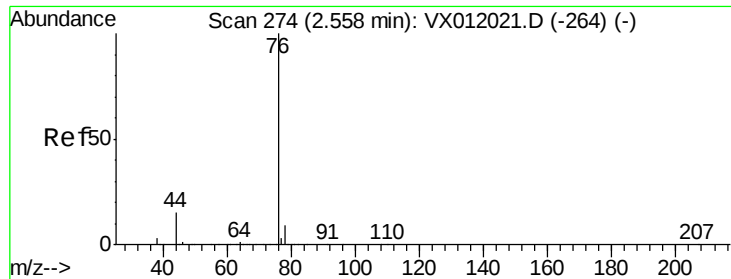
Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Tgt Ion:	43	Resp:	43944
Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.8	34.2





#17

Carbon Disulfide

Concen: 16.646 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 76 Resp: 65725

Ion Ratio Lower Upper

76 100

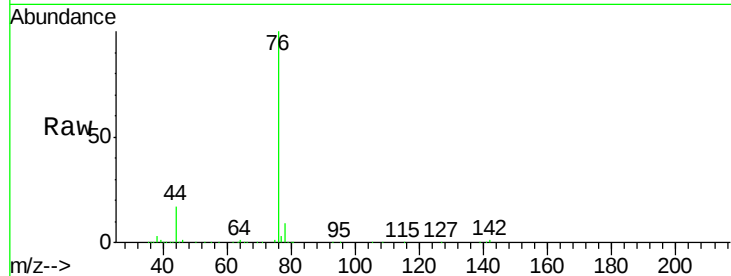
78 9.3 7.4 11.2

Manual Integrations

APPROVED

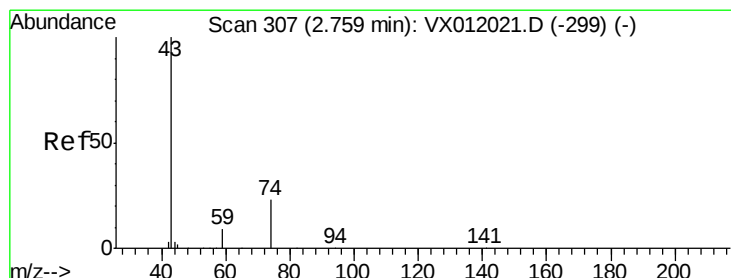
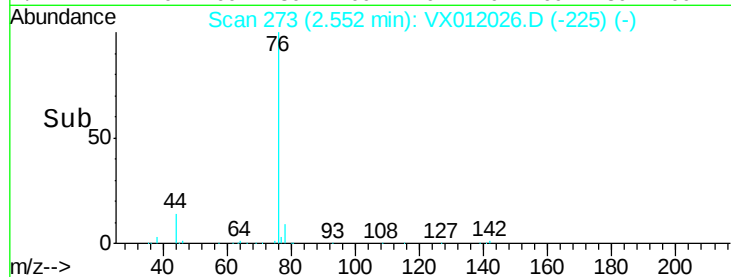
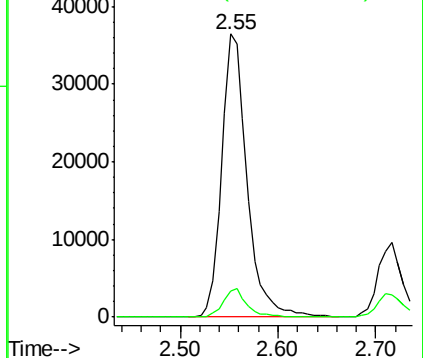
sam

9/4/2019 4:45:58 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.159 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012026.D

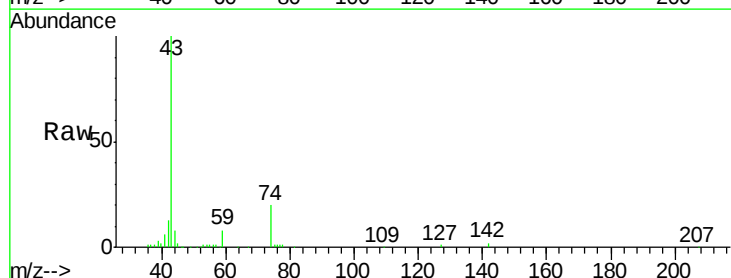
Acq: 03 Sep 2019 17:06

Tgt Ion: 43 Resp: 22555

Ion Ratio Lower Upper

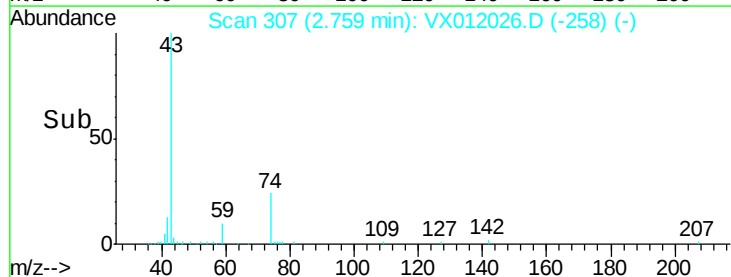
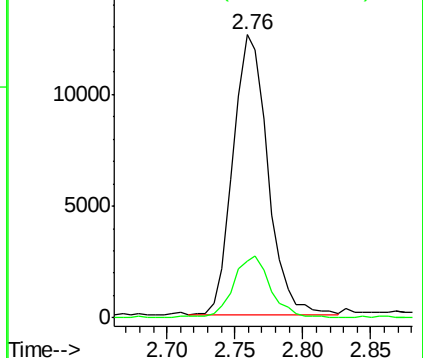
43 100

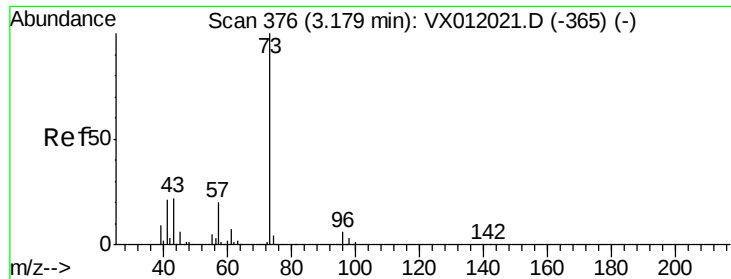
74 23.5 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





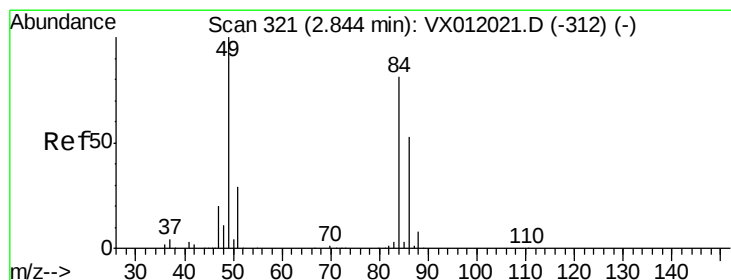
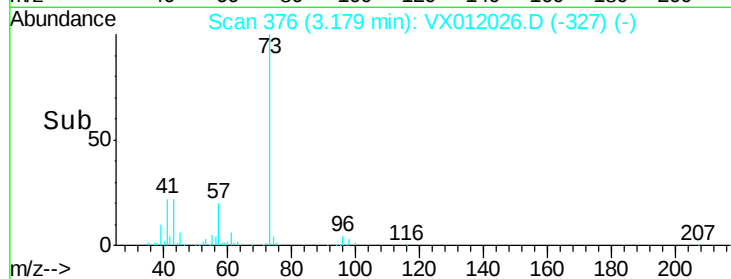
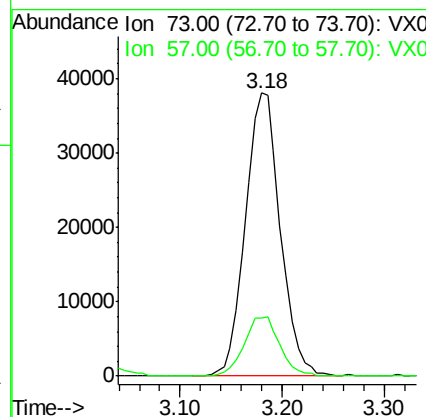
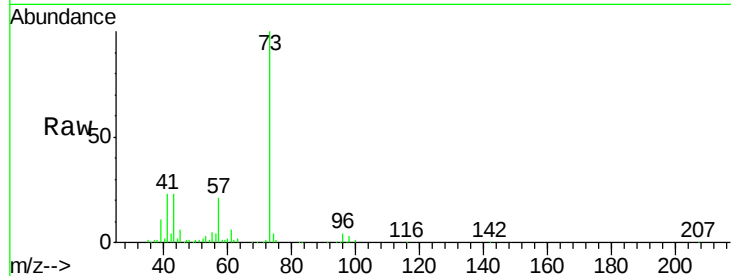
#19
Methyl tert-butyl Ether
Concen: 20.576 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion: 73 Resp: 90500
Ion Ratio Lower Upper
73 100
57 20.3 16.6 25.0

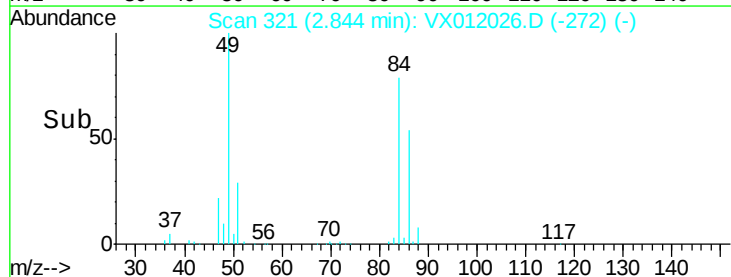
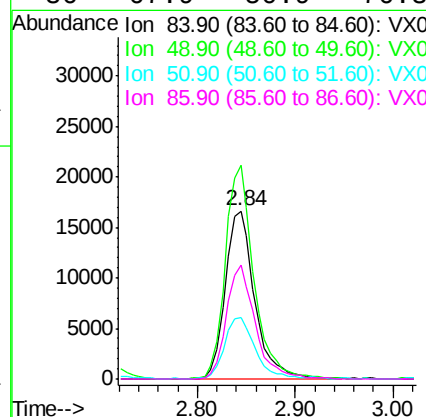
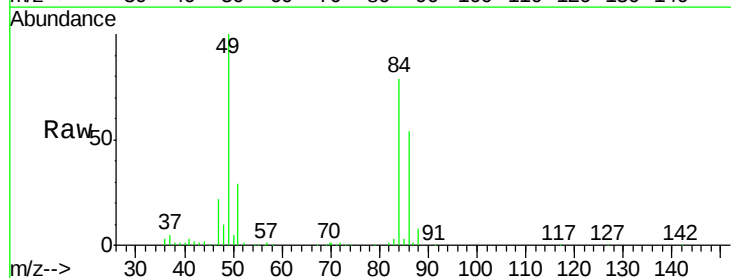
Manual Integrations
APPROVED

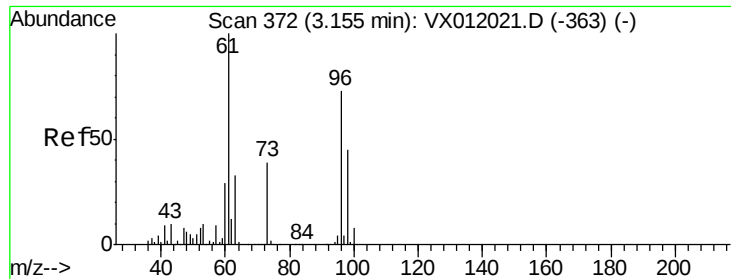
sam
9/4/2019 4:45:58 PM



#20
Methylene Chloride
Concen: 19.125 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion: 84 Resp: 34751
Ion Ratio Lower Upper
84 100
49 126.5 95.8 143.8
51 35.9 28.6 43.0
86 67.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 18.795 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

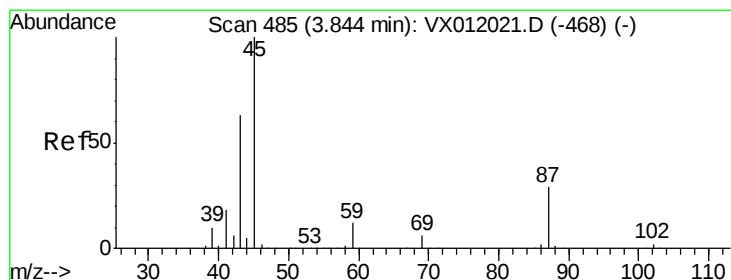
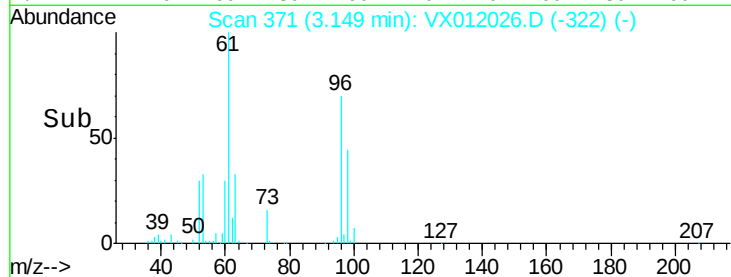
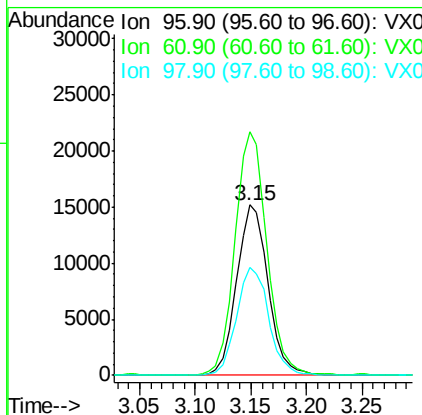
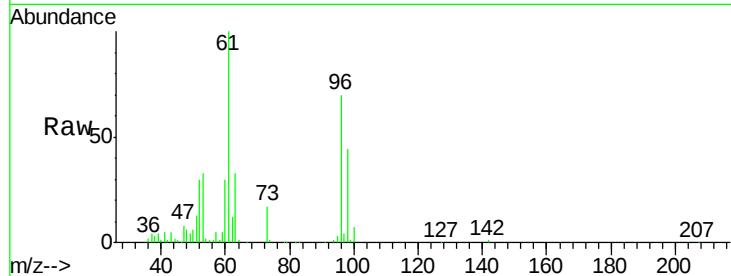
ClientSampleId :

VX0903SBS01

Tot Ion:	96	Resp:	29797
Ion	Ratio	Lower	Upper
96	100		
61	143.0	107.0	160.6
98	63.6	49.8	74.6

Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM



#22

Diisopropyl ether

Concen: 20.391 ug/l

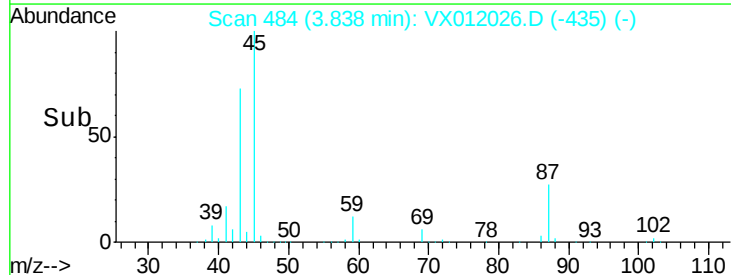
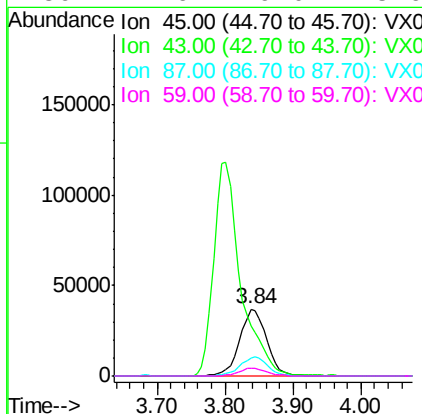
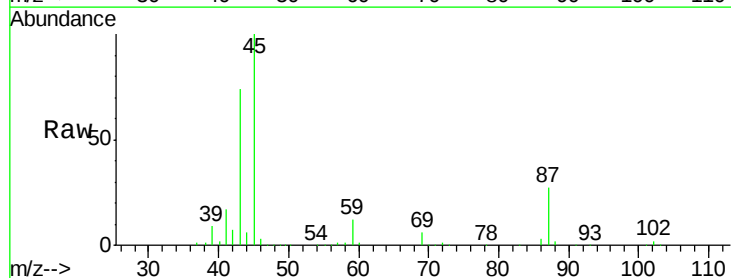
RT: 3.84 min Scan# 484

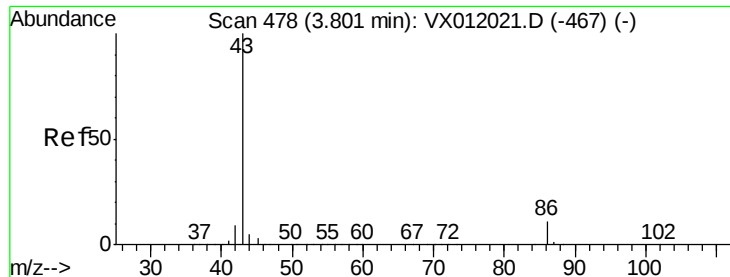
Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Tgt Ion:	45	Resp:	101604
Ion	Ratio	Lower	Upper
45	100		
43	73.4	54.2	81.4
87	26.4	23.4	35.0
59	11.6	9.0	13.6





#23

Vinyl Acetate

Concen: 100.669 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampled :

VX0903SBS01

Tot Ion: 43 Resp: 324486

Ion Ratio Lower Upper

43 100

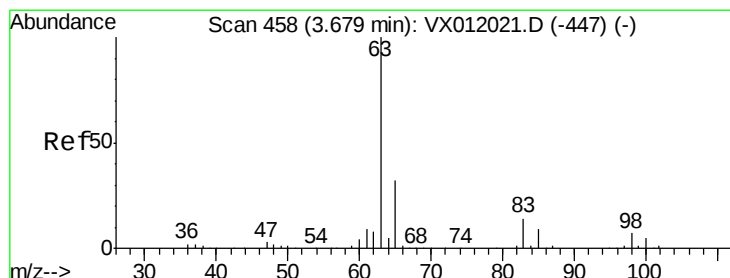
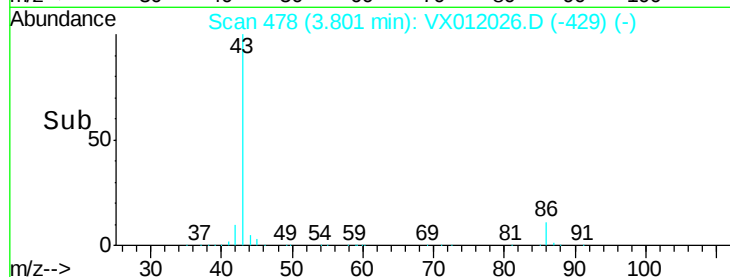
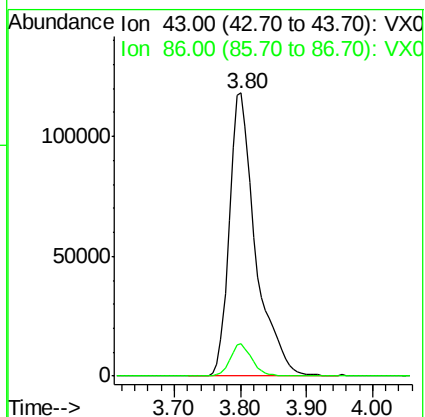
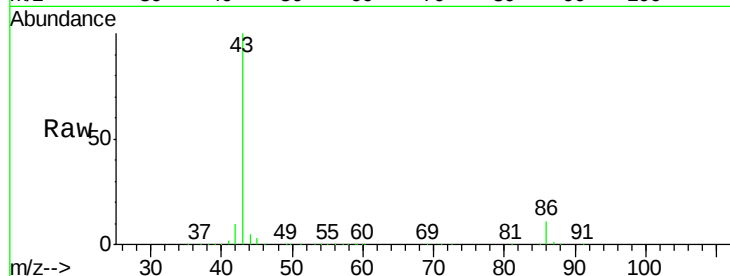
86 11.4 9.0 13.6

Manual Integrations

APPROVED

sam

9/4/2019 4:45:58 PM



#24

1,1-Dichloroethane

Concen: 19.843 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

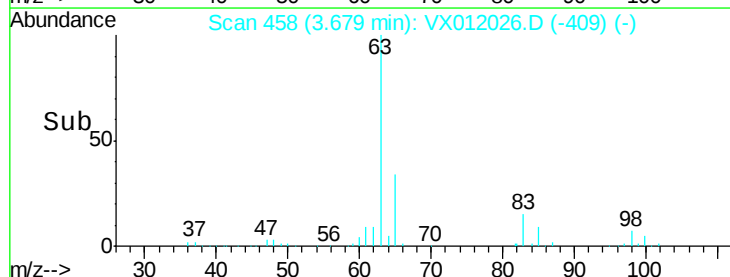
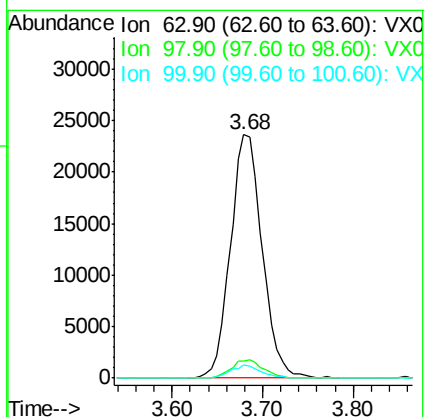
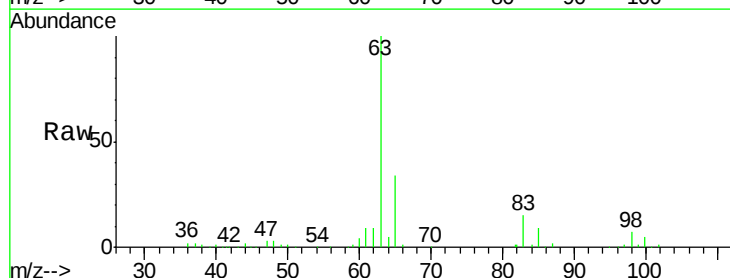
Tgt Ion: 63 Resp: 57344

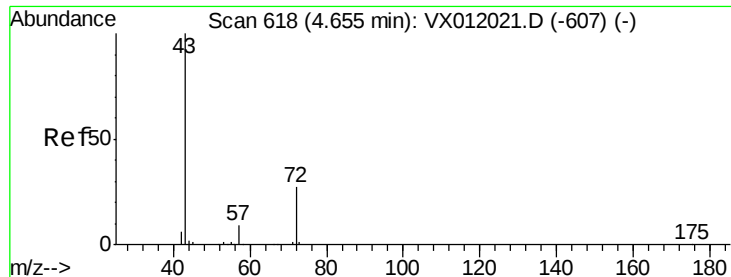
Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.7

100 5.4 2.5 7.4





#25

2-Butanone

Concen: 101.930 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Tot Ion: 43 Resp: 58711

Ion Ratio Lower Upper

43 100

72 26.2 21.3 31.9

Instrument :

MSVOA_X

ClientSampleId :

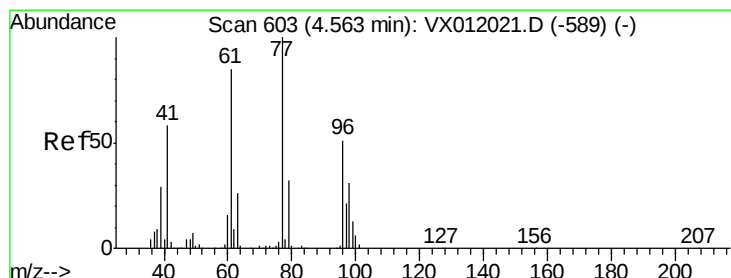
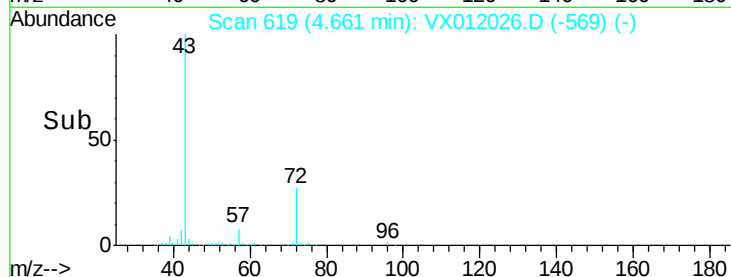
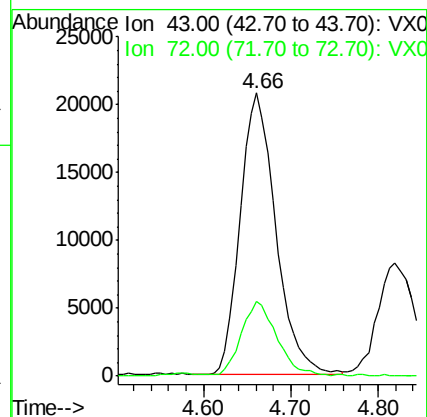
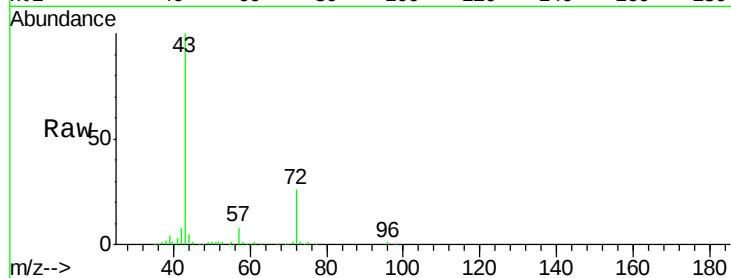
VX0903SBS01

Manual Integrations

APPROVED

sam

9/4/2019 4:45:58 PM



#26

2,2-Dichloropropane

Concen: 19.544 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012026.D

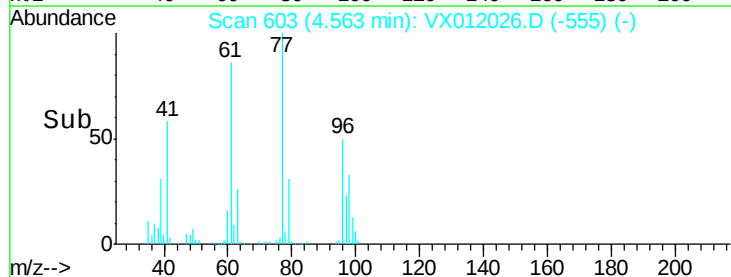
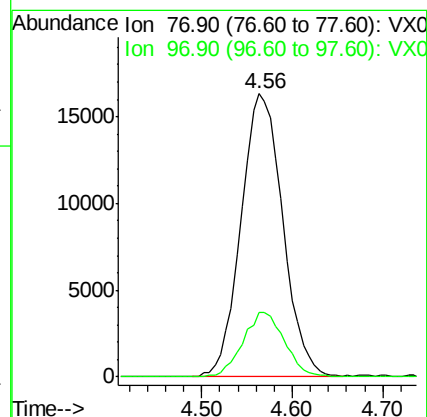
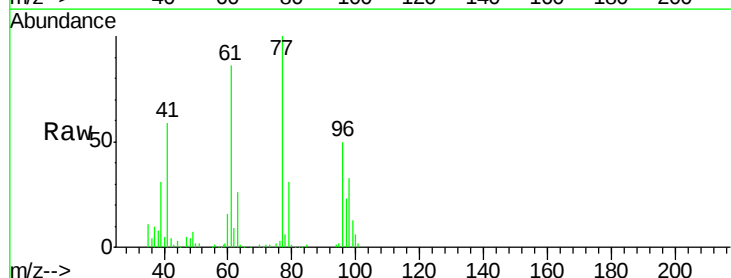
Acq: 03 Sep 2019 17:06

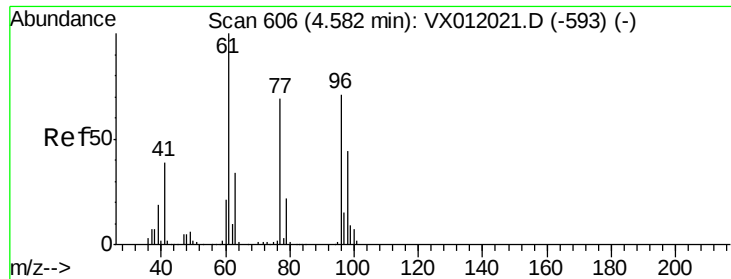
Tgt Ion: 77 Resp: 52146

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.5





#27

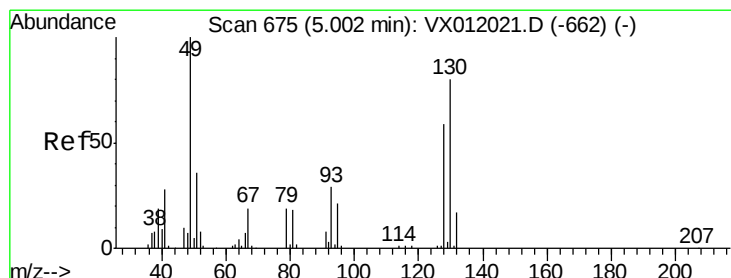
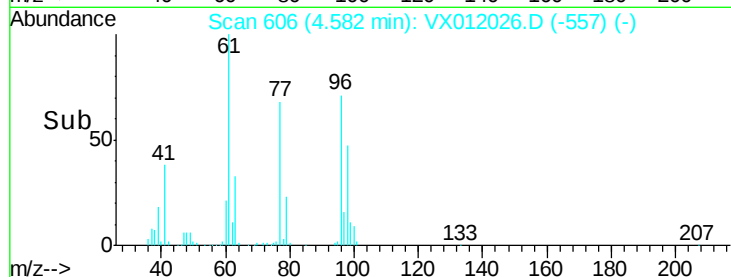
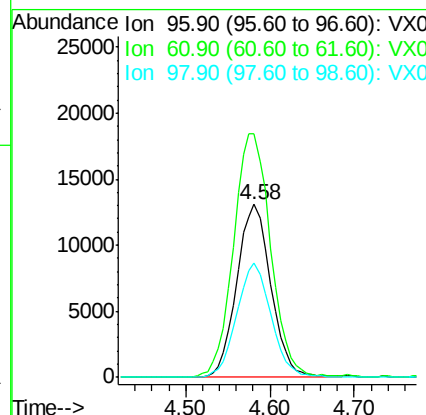
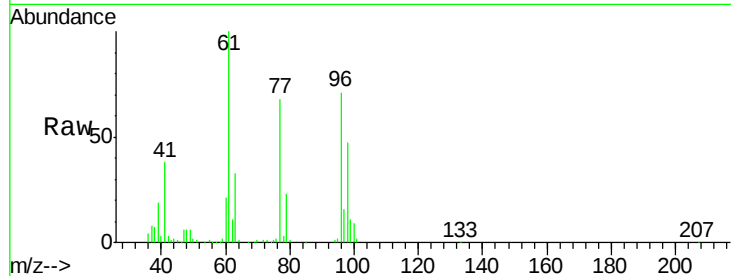
cis-1,2-Dichloroethene
 Concen: 19.316 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.6	0.0	277.0	
98	66.4	0.0	128.4	

Manual Integrations
 APPROVED

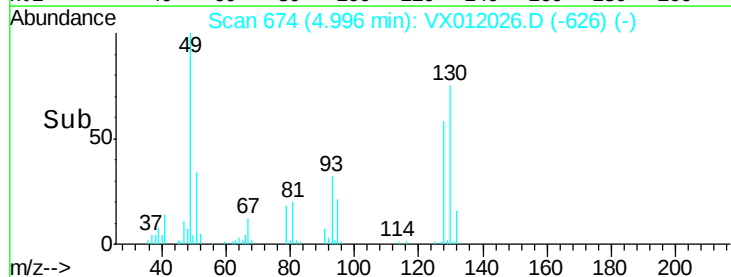
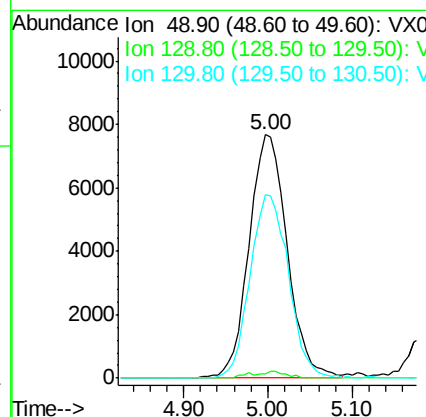
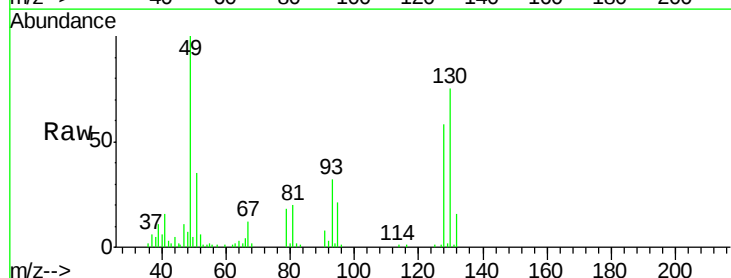
sam
 9/4/2019 4:45:58 PM

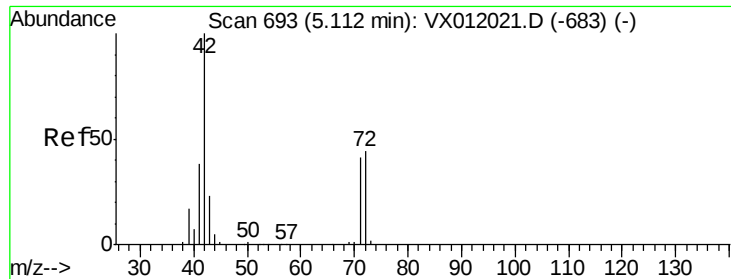


#28

Bromochloromethane
 Concen: 20.515 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	5.6	
130	75.7	76.7	115.1#	





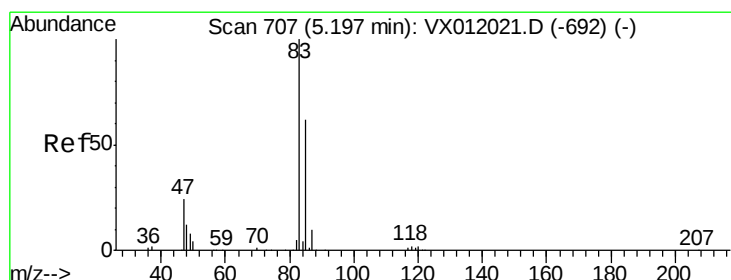
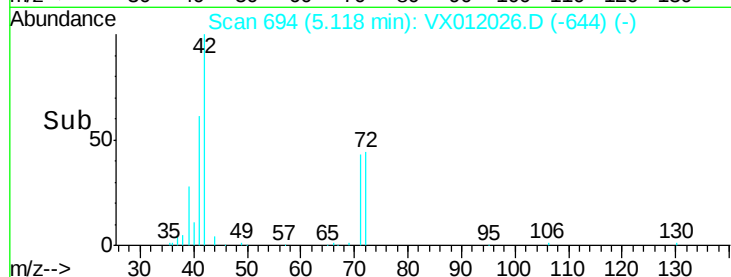
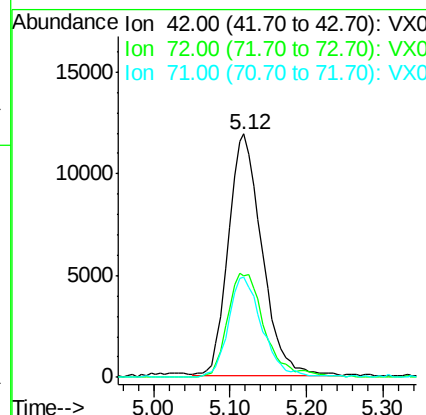
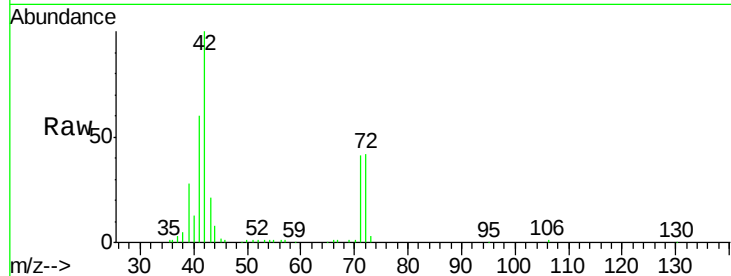
#29
Tetrahydrofuran
Concen: 103.569 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.0	55.4
71	42.1	33.8	50.8

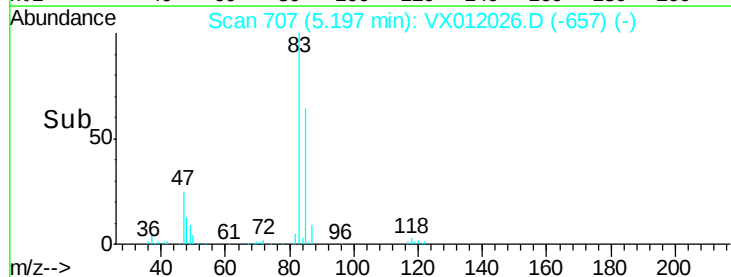
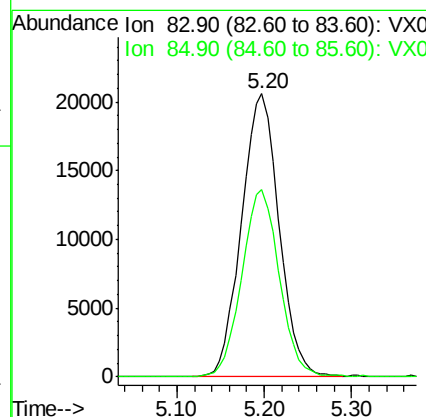
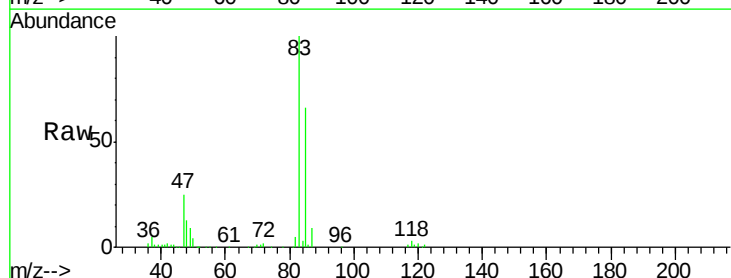
Manual Integrations
APPROVED

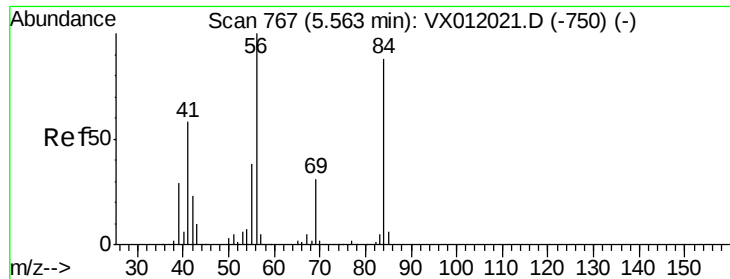
sam
9/4/2019 4:45:58 PM



#30
Chloroform
Concen: 19.808 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.01 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.6	78.8





#31

Cyclohexane

Concen: 18.159 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

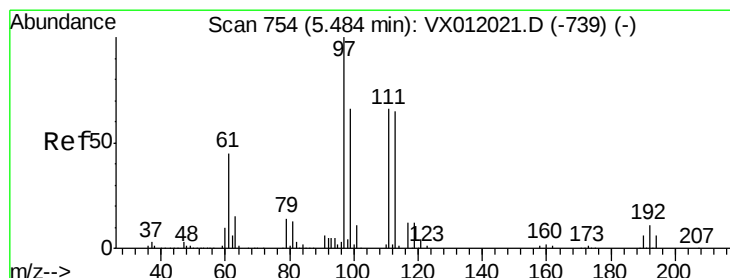
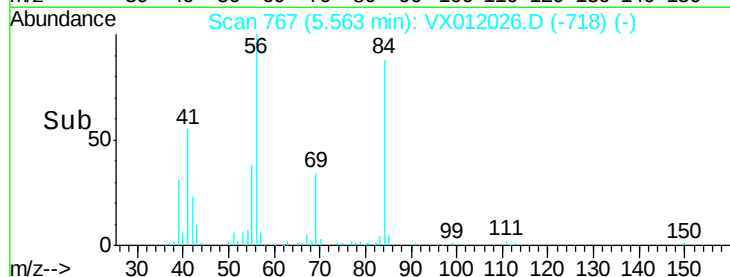
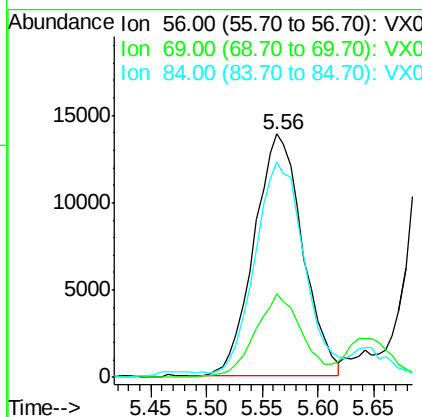
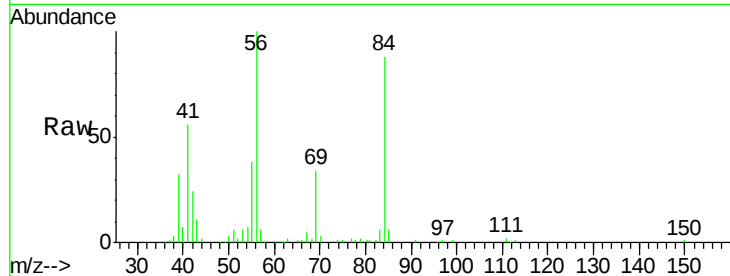
ClientSampleId :

VX0903SBS01

Tot Ion:	56	Resp:	42146
Ion	Ratio	Lower	Upper
56	100		
69	34.3	25.7	38.5
84	86.8	70.3	105.5

Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM



#32

1,1,1-Trichloroethane

Concen: 19.828 ug/l

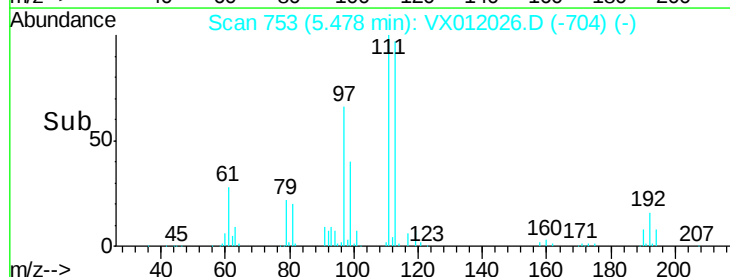
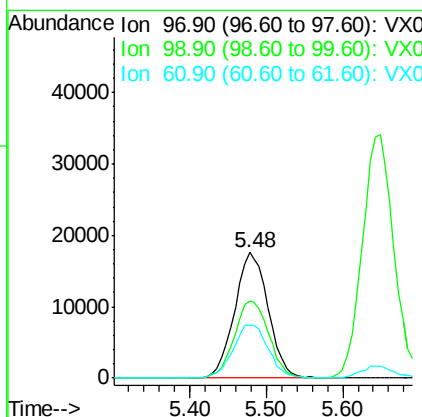
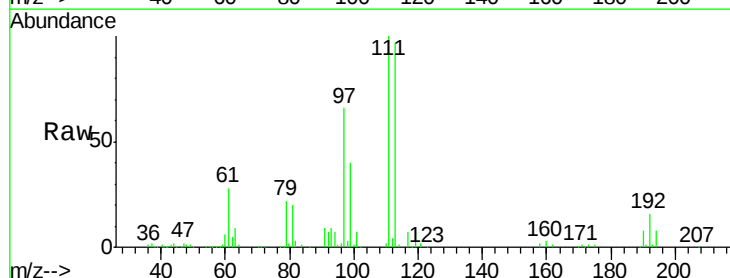
RT: 5.48 min Scan# 753

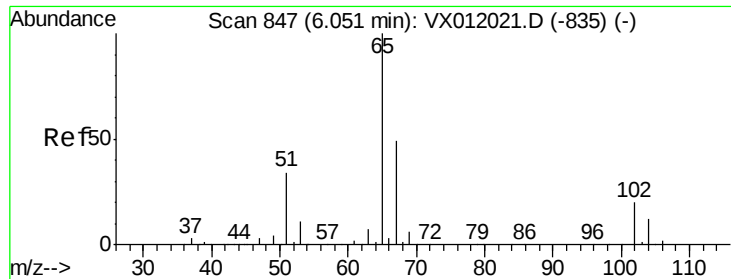
Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Tgt Ion:	97	Resp:	53550
Ion	Ratio	Lower	Upper
97	100		
99	63.0	52.1	78.1
61	44.6	32.8	49.2





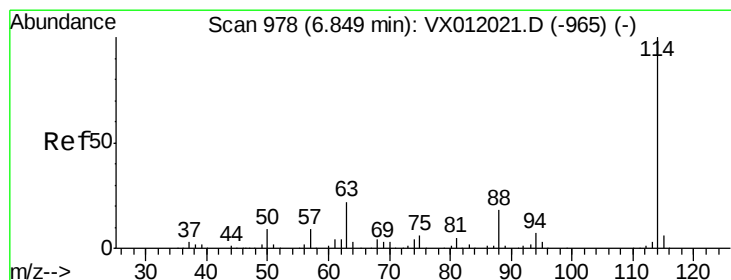
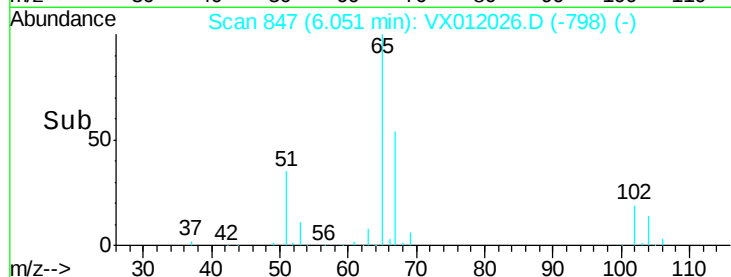
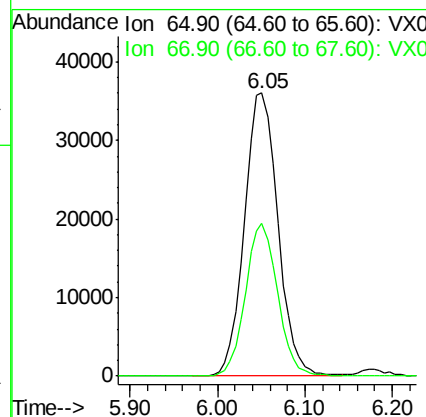
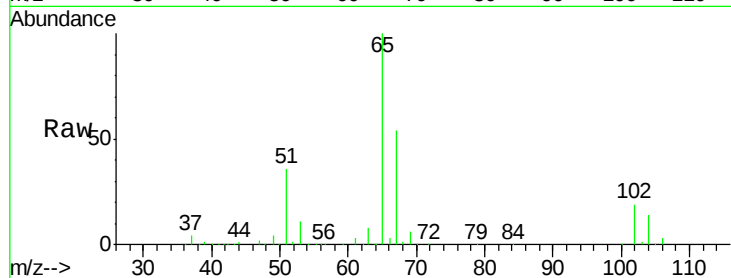
#33
 1,2-Dichloroethane-d4
 Concen: 50.856 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0

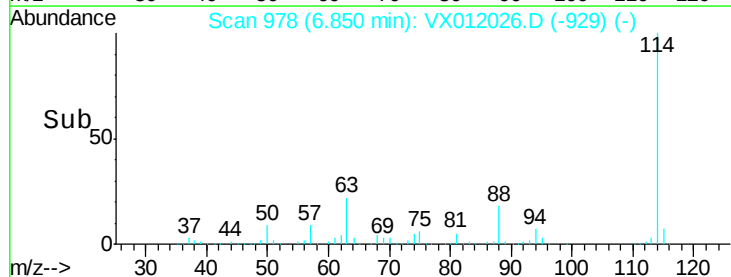
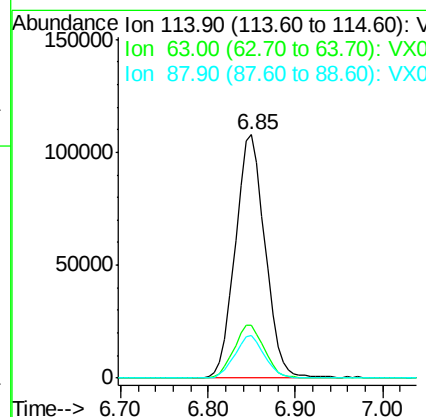
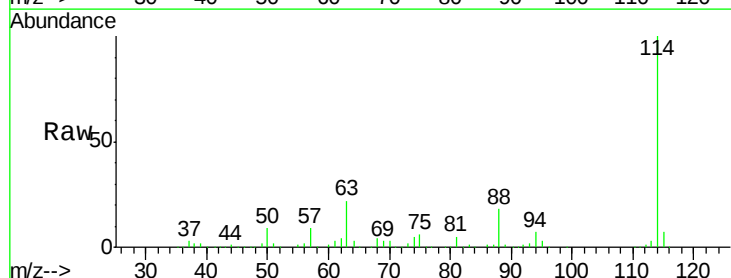
Manual Integrations
 APPROVED

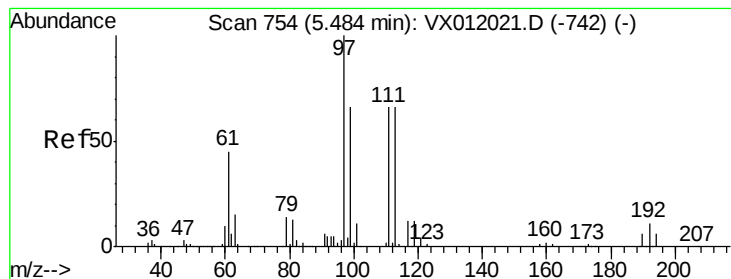
sam
 9/4/2019 4:45:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	37.4
88	17.8	0.0	29.6





#35

Dibromofluoromethane

Concen: 49.673 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion:113 Resp: 78238

Ion Ratio Lower Upper

113 100

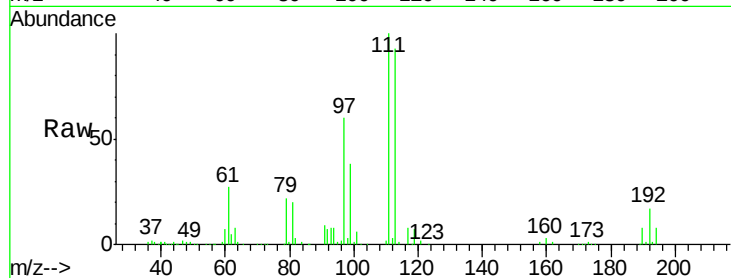
111 102.8 81.7 122.5

192 17.2 22.5 33.7#

Manual Integrations
APPROVED

sam

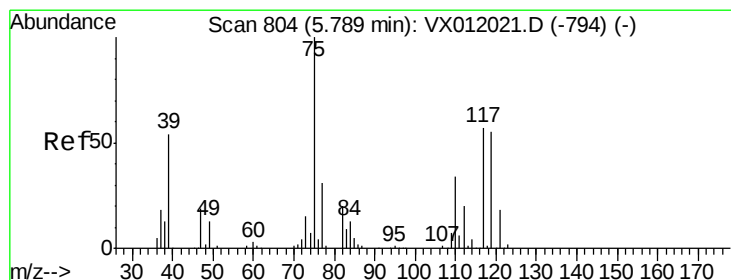
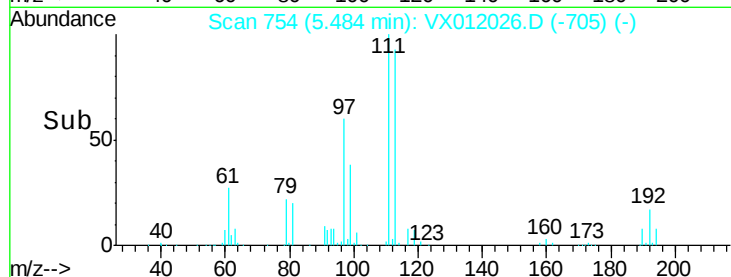
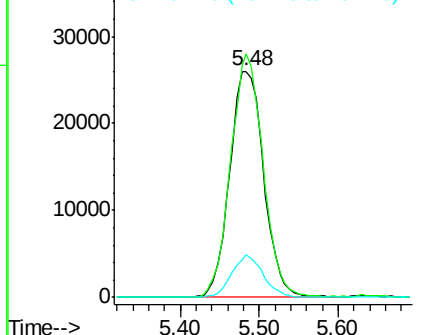
9/4/2019 4:45:58 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.134 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

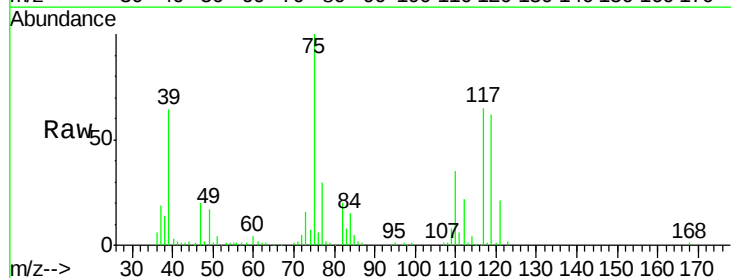
Tgt Ion: 75 Resp: 40906

Ion Ratio Lower Upper

75 100

110 36.0 19.5 58.5

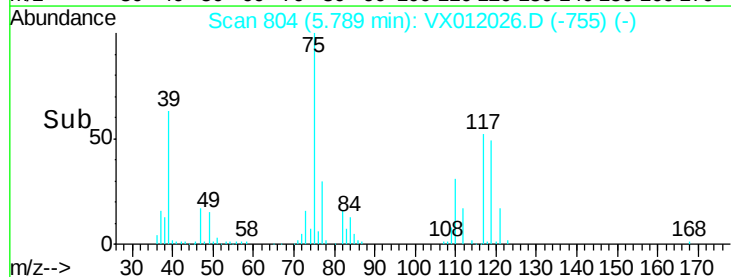
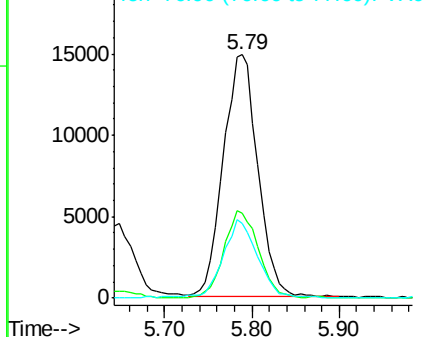
77 31.1 24.6 37.0

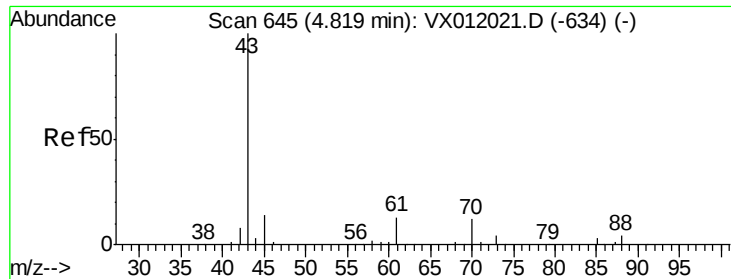


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





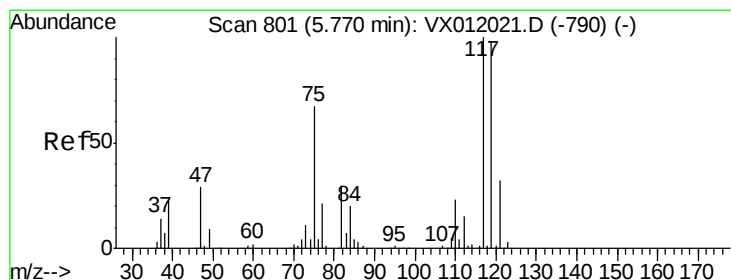
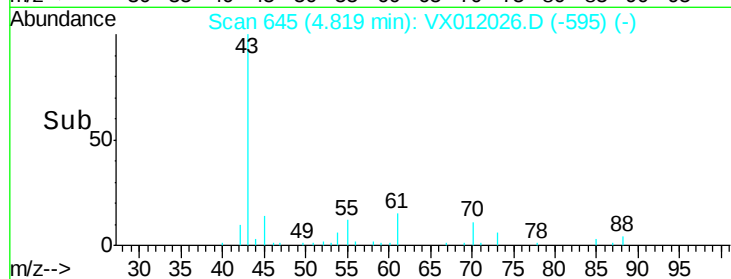
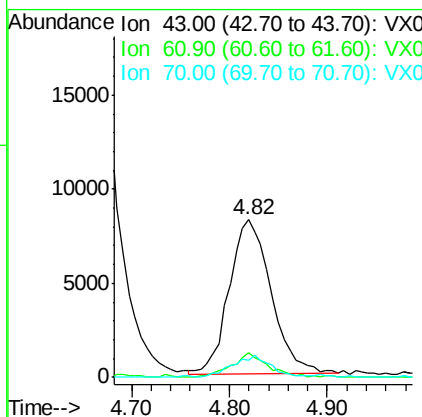
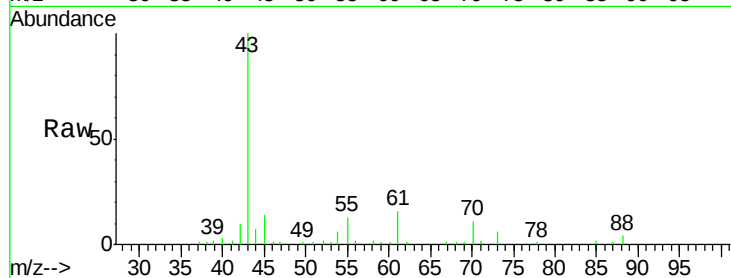
#37
Ethyl Acetate
Concen: 19.952 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	13.2	9.4	14.0

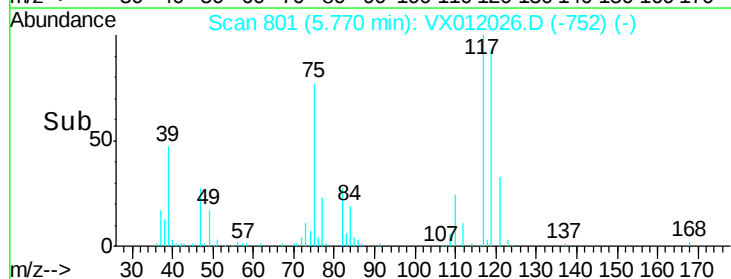
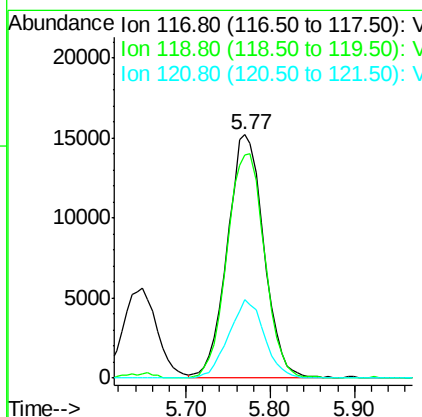
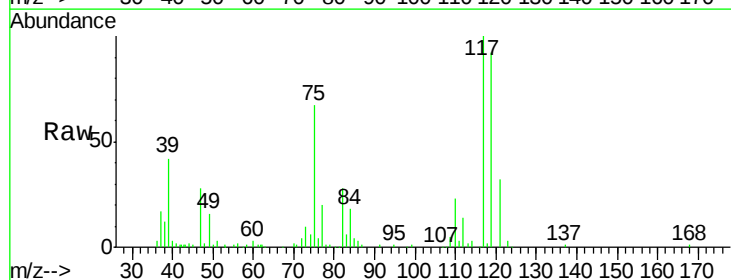
Manual Integrations
APPROVED

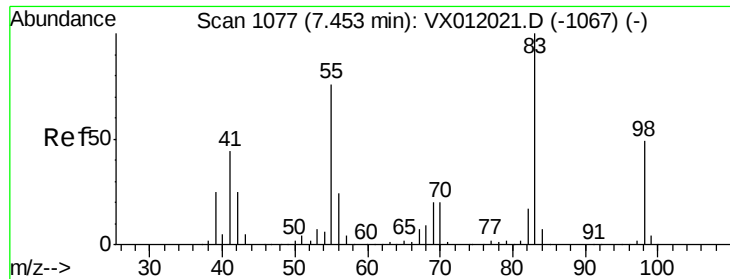
sam
9/4/2019 4:45:58 PM



#38
Carbon Tetrachloride
Concen: 18.802 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	78.3	117.5
121	32.2	24.2	36.2





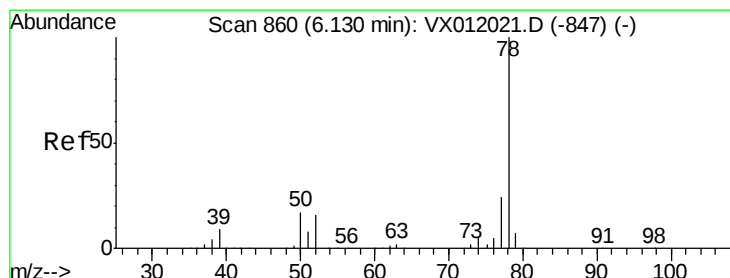
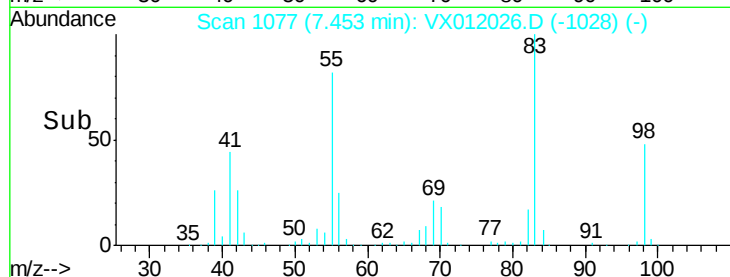
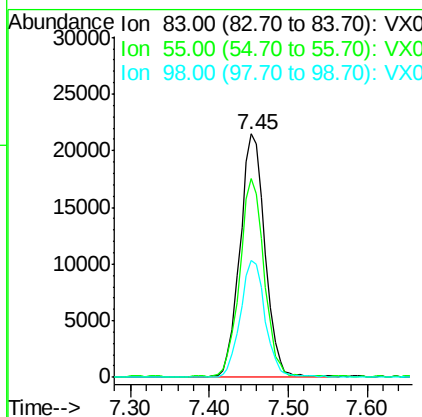
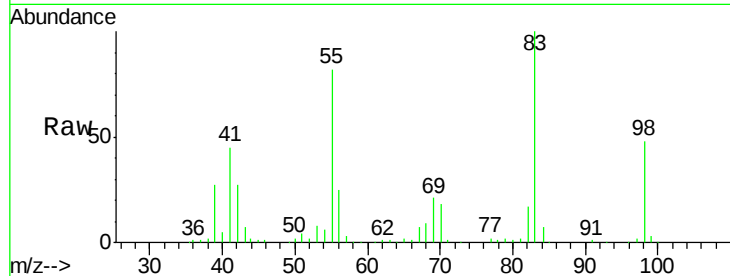
#39
Methvlcvclohexane
Concen: 18.161 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	83	Resp	47547
Ion Ratio	100	Lower	Upper
83	100		
55	81.3	59.6	89.4
98	47.8	41.4	62.0

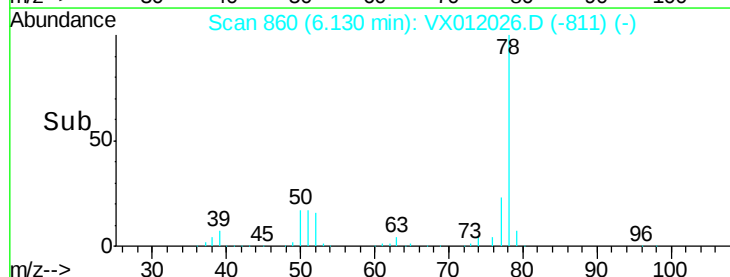
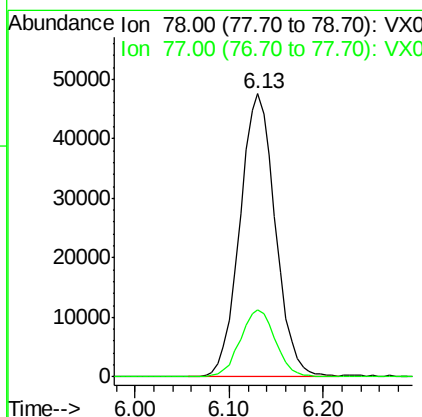
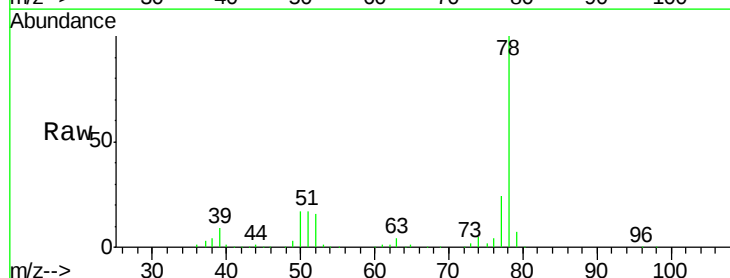
Manual Integrations
APPROVED

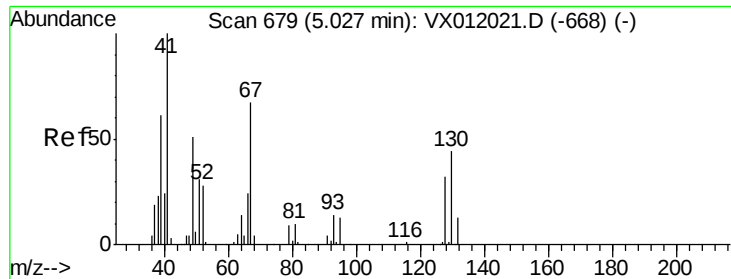
sam
9/4/2019 4:45:58 PM



#40
Benzene
Concen: 19.304 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion	78	Resp	125007
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	19.3	28.9





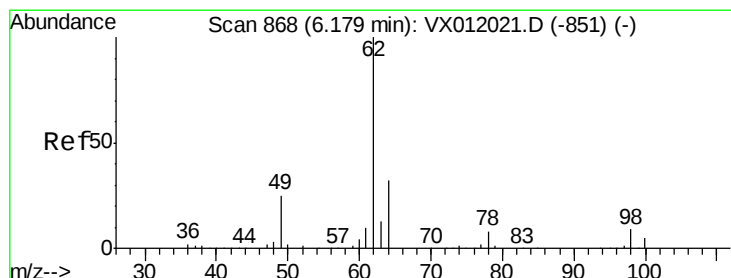
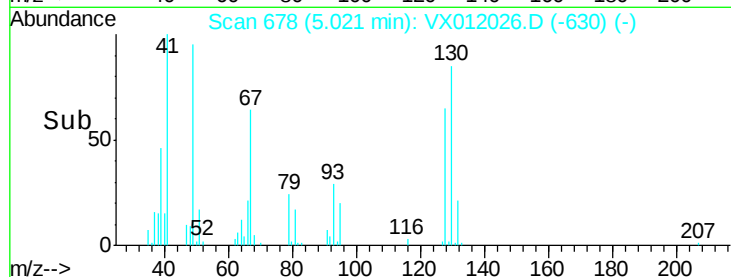
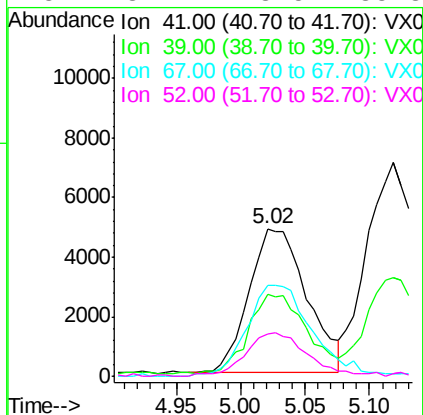
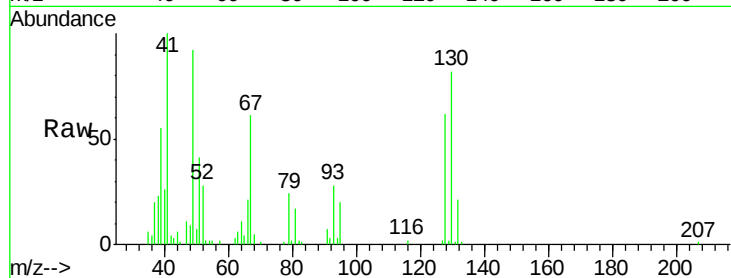
#41
Methacrylonitrile
Concen: 20.705 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampled :
VX0903SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.7	70.1
67	70.8	57.0	85.6
52	32.1	23.5	35.3

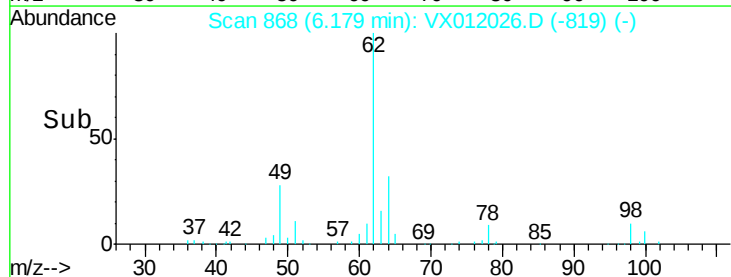
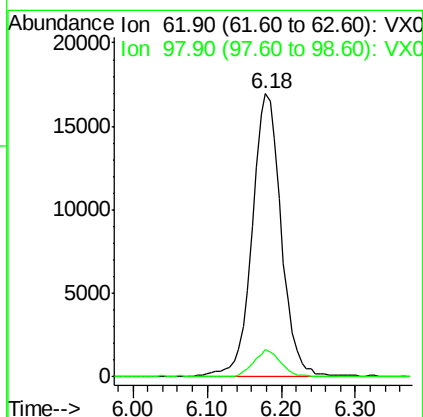
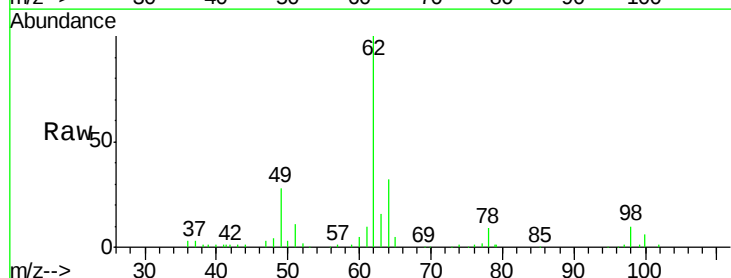
Manual Integrations
APPROVED

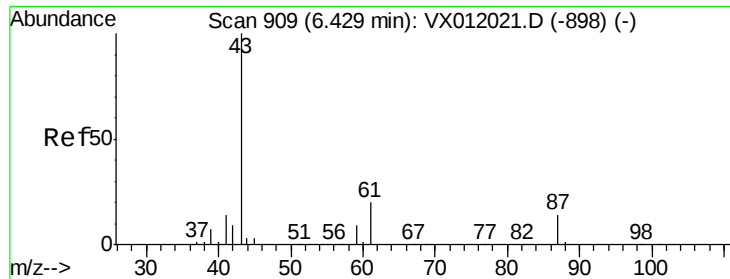
sam
9/4/2019 4:45:58 PM



#42
1,2-Dichloroethane
Concen: 19.954 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.2





#43

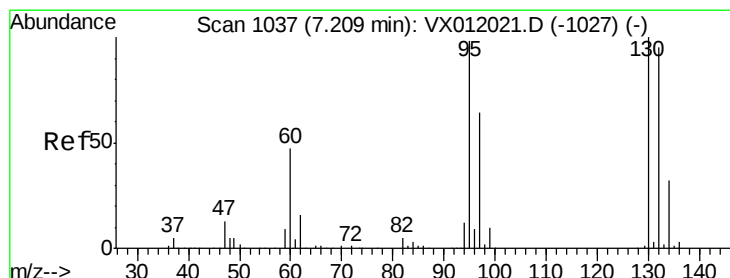
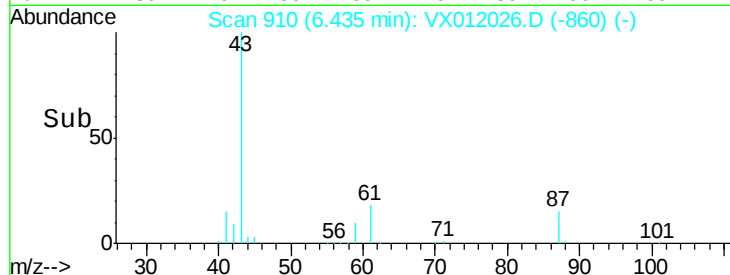
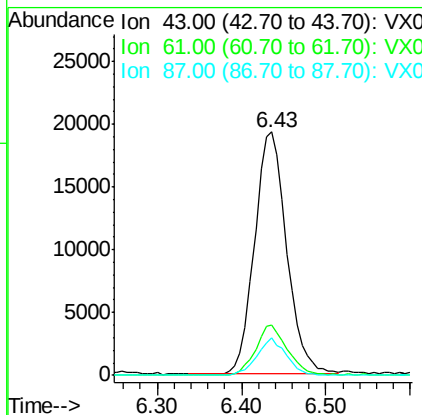
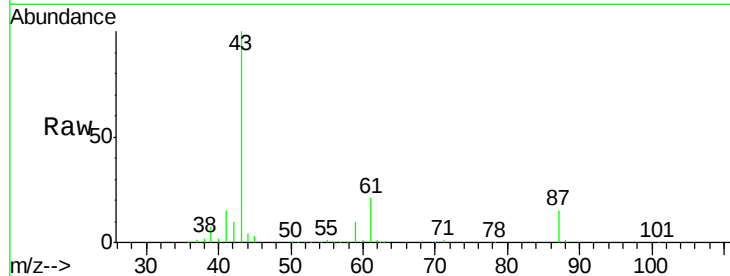
Isopropyl Acetate
 Concen: 20.164 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.1	24.1
87	14.1	11.3	16.9

Manual Integrations
 APPROVED

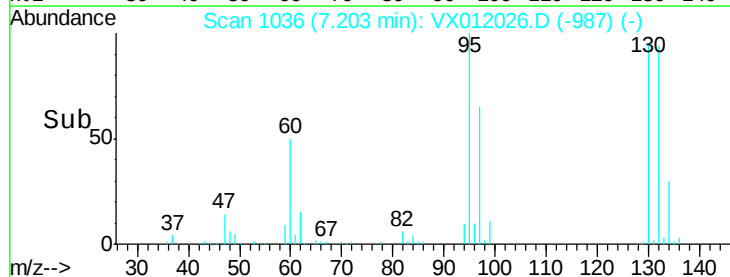
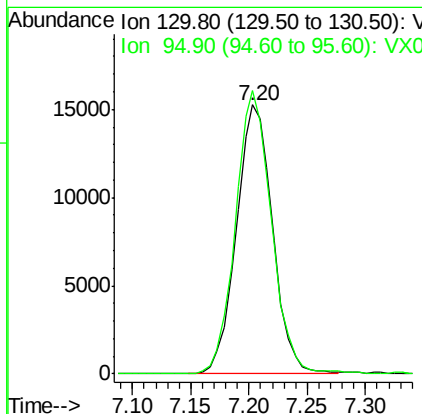
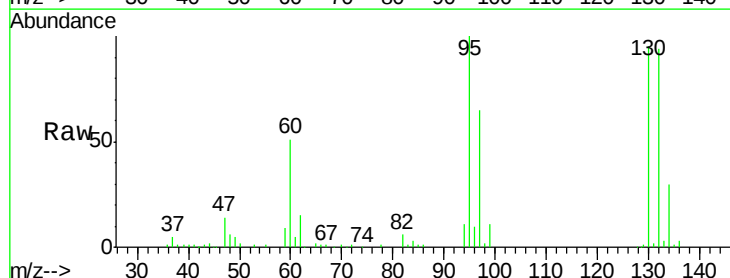
Sam
 9/4/2019 4:45:58 PM

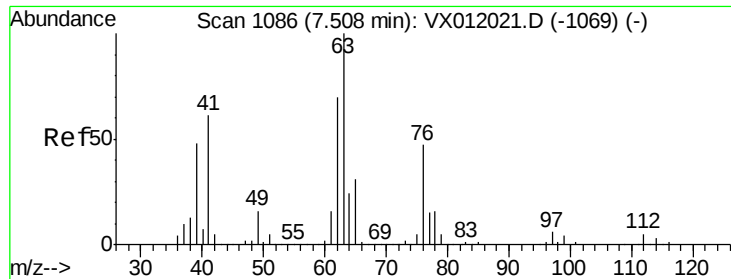


#44

Trichloroethene
 Concen: 18.881 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	176.4





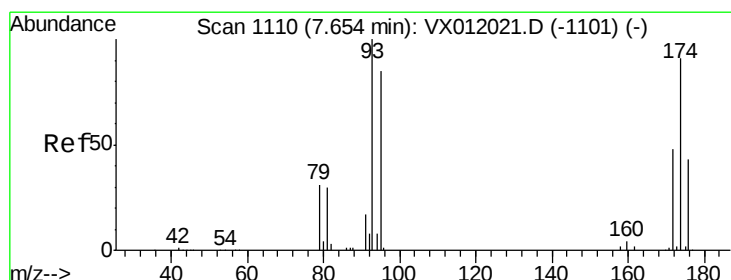
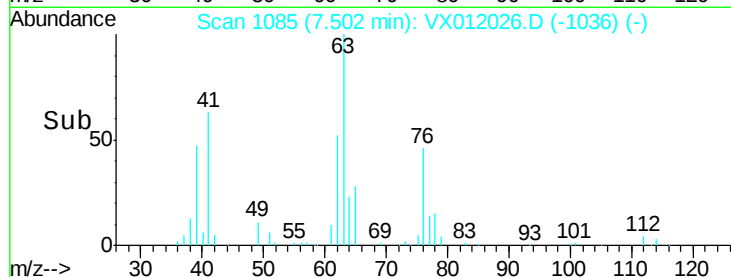
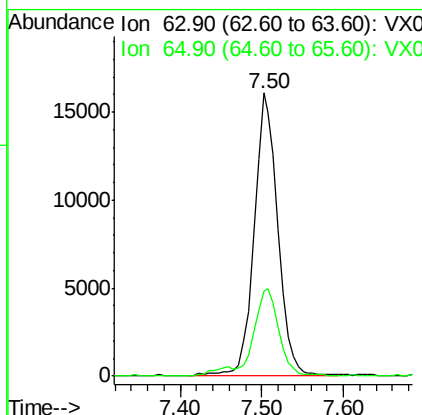
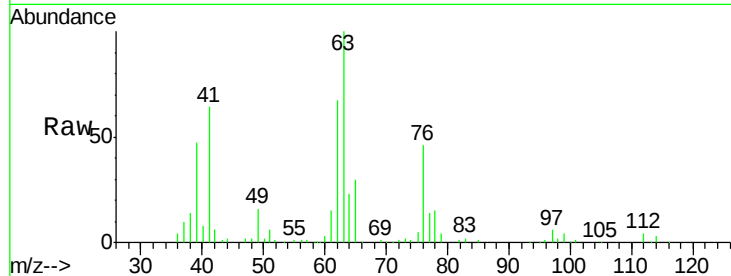
#45
 1,2-Dichloropropane
 Concen: 19.629 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion: 63 Resp: 32842
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.6

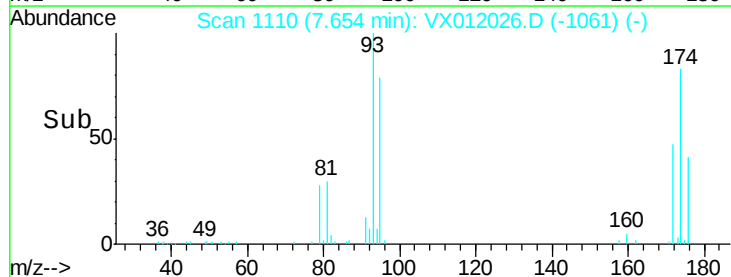
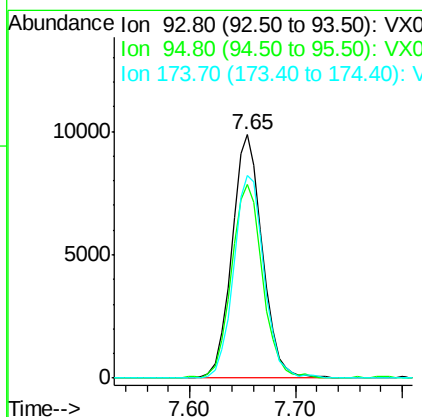
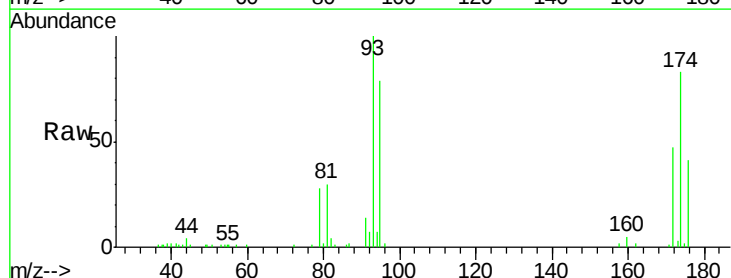
Manual Integrations
 APPROVED

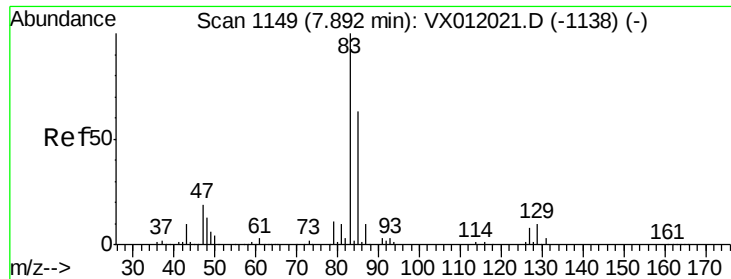
sam
 9/4/2019 4:45:58 PM



#46
 Dibromomethane
 Concen: 20.198 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Tgt Ion: 93 Resp: 19728
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.2 99.2
 174 83.5 110.2 165.4#





#47

Bromodichloromethane

Concen: 19.921 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

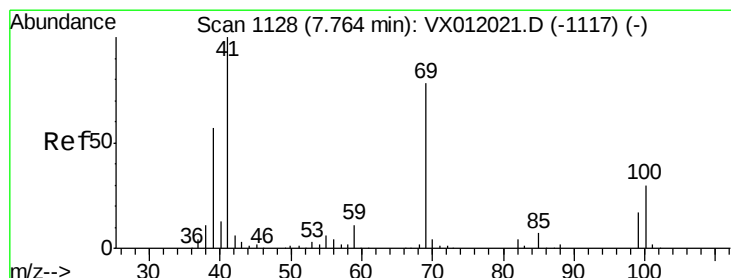
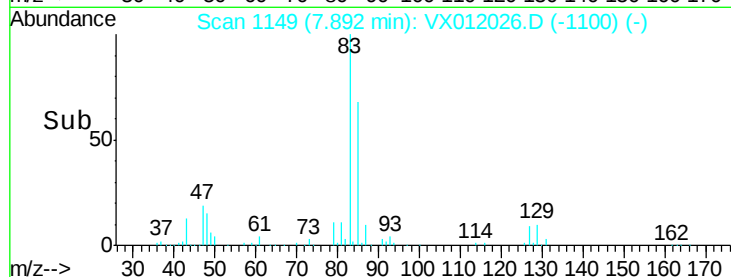
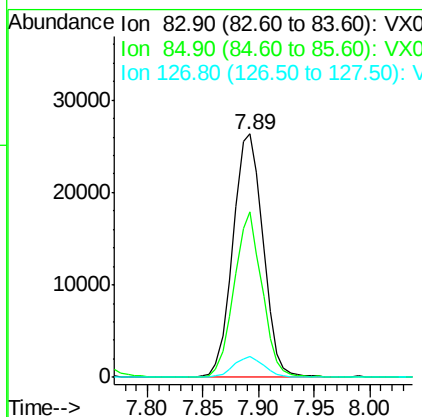
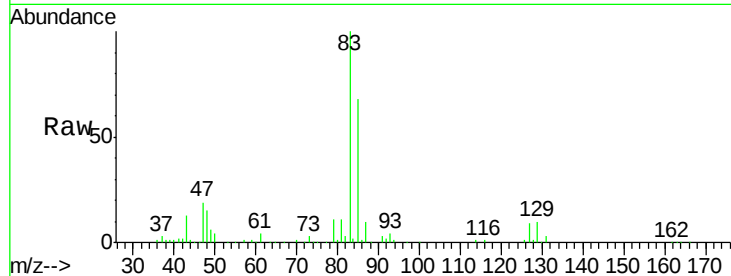
ClientSampleId :

VX0903SBS01

Tot Ion:	83	Resp:	49456
Ion	Ratio	Lower	Upper
83	100		
85	67.7	50.3	75.5
127	8.7	8.1	12.1

Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM



#48

Methyl methacrylate

Concen: 19.795 ug/l

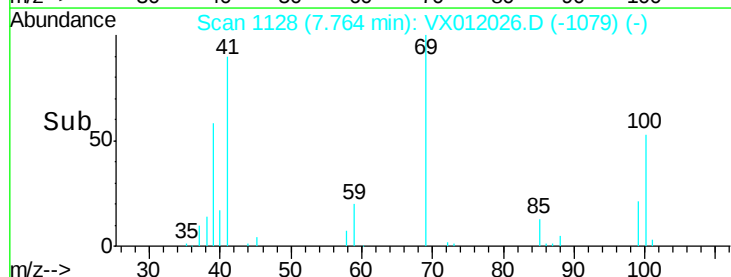
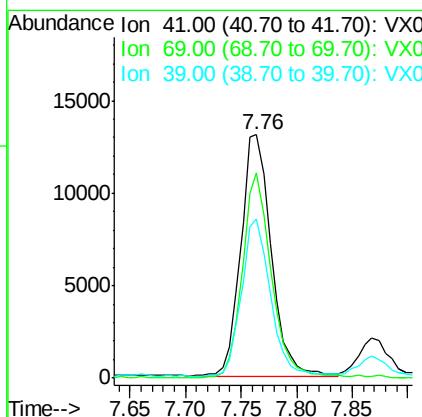
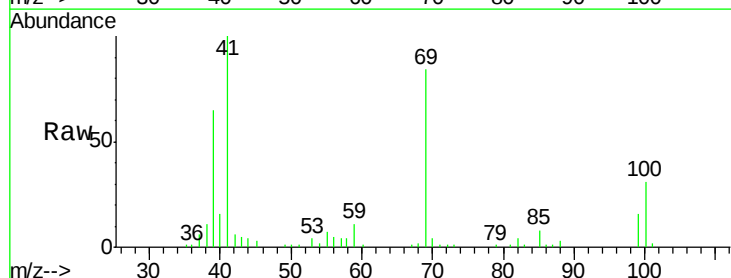
RT: 7.76 min Scan# 1128

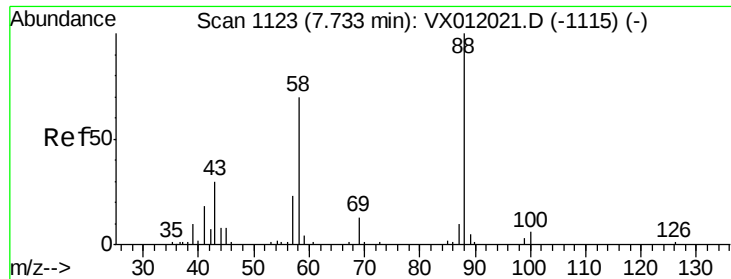
Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Tgt Ion:	41	Resp:	24825
Ion	Ratio	Lower	Upper
41	100		
69	81.7	66.3	99.5
39	62.6	48.1	72.1





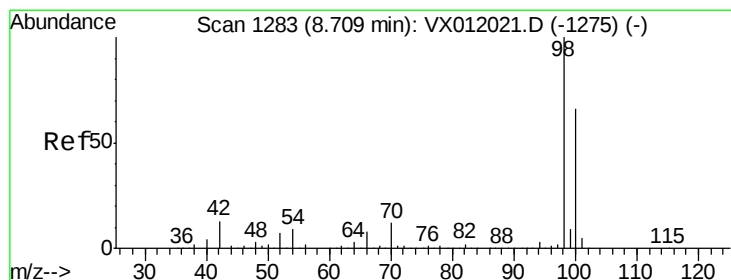
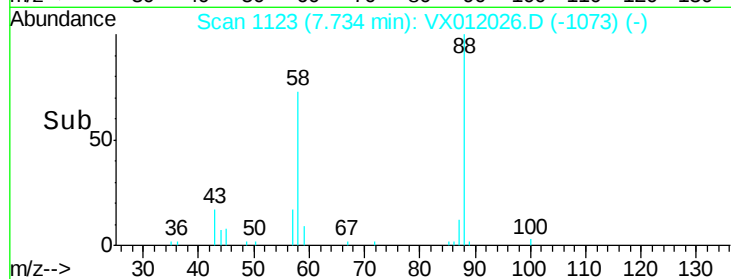
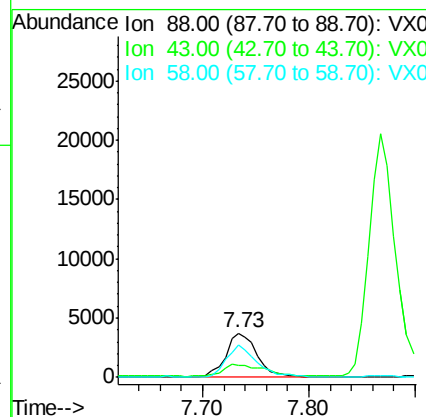
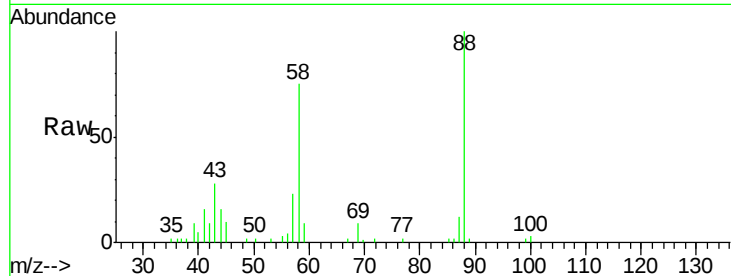
#49
1,4-Dioxane
Concen: 448.754 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.6	29.8	44.6
58	71.6	55.4	83.2

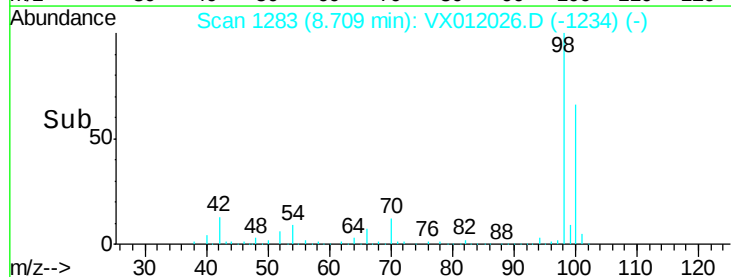
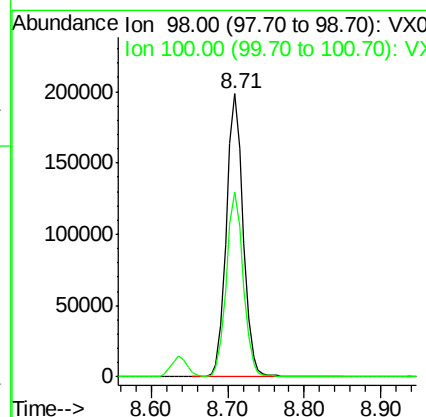
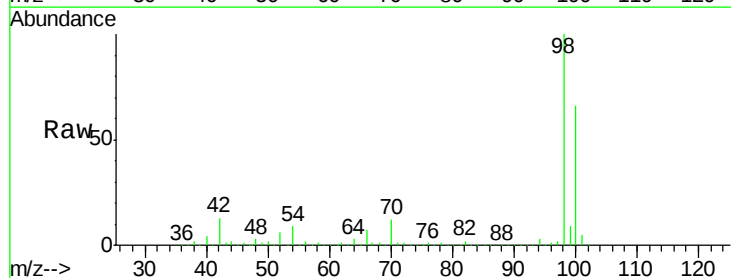
Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM



#50
Toluene-d8
Concen: 52.272 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 102.528 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 43 Resp: 130073

Ion Ratio Lower Upper

43 100

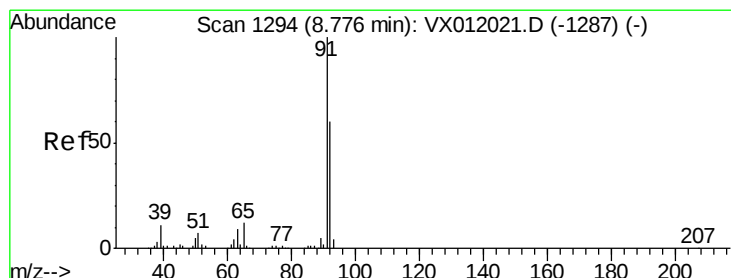
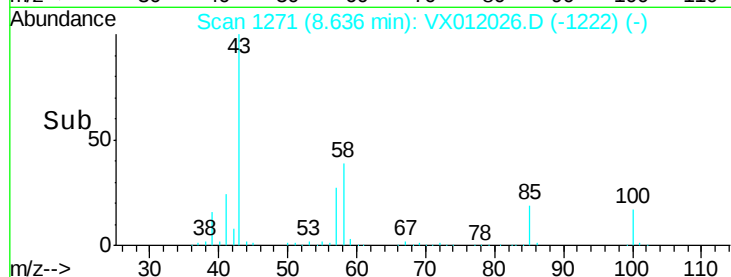
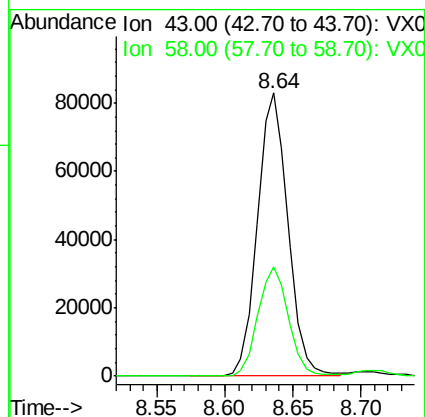
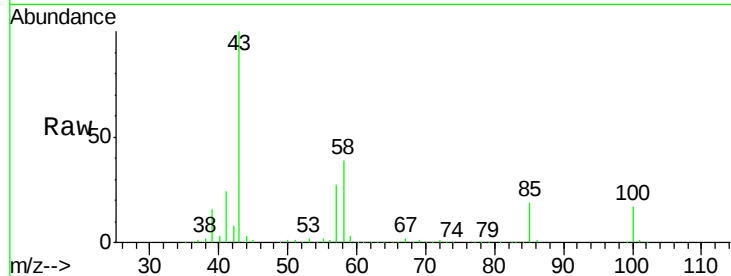
58 38.6 31.5 47.3

Manual Integrations

APPROVED

sam

9/4/2019 4:45:58 PM



#52

Toluene

Concen: 19.328 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012026.D

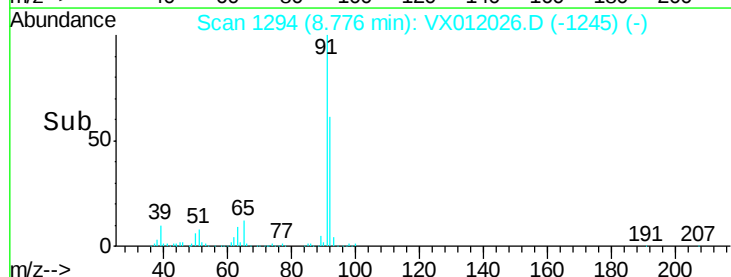
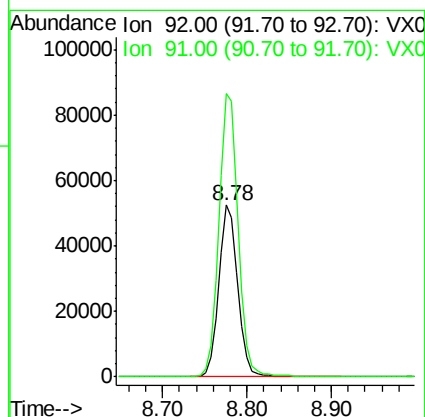
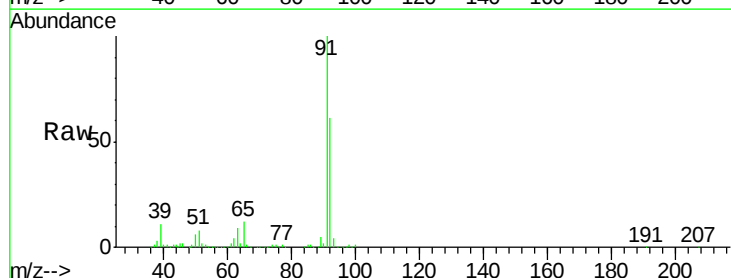
Acq: 03 Sep 2019 17:06

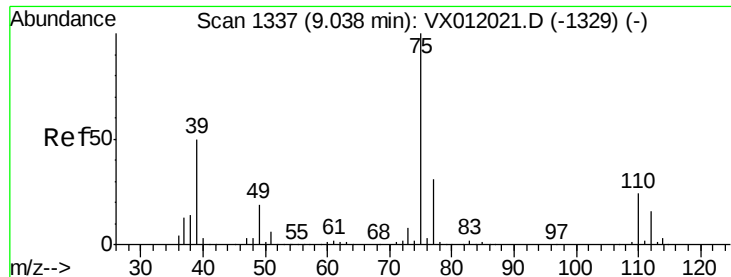
Tgt Ion: 92 Resp: 81439

Ion Ratio Lower Upper

92 100

91 168.3 136.0 204.0





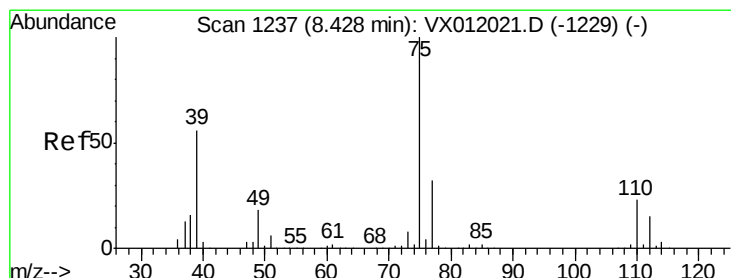
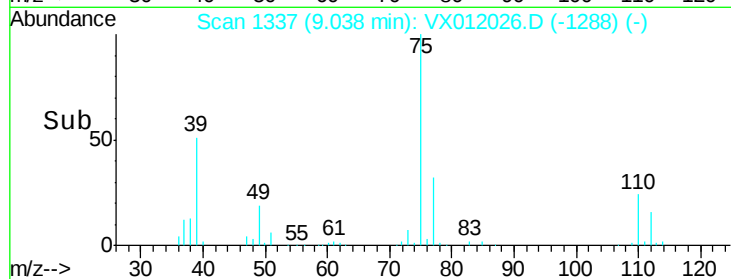
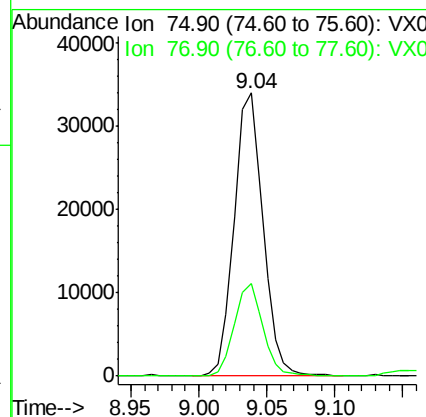
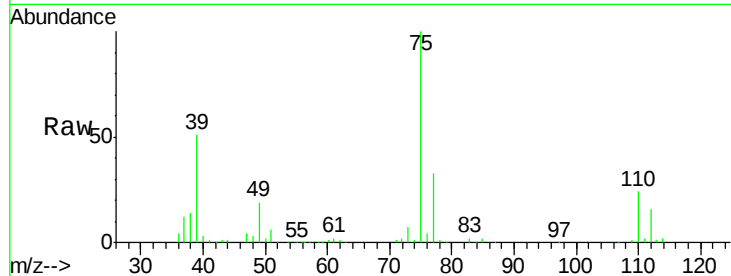
#53
t-1,3-Dichloropropene
Concen: 19.638 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion: 75 Resp: 50475
Ion Ratio Lower Upper
75 100
77 32.3 25.1 37.7

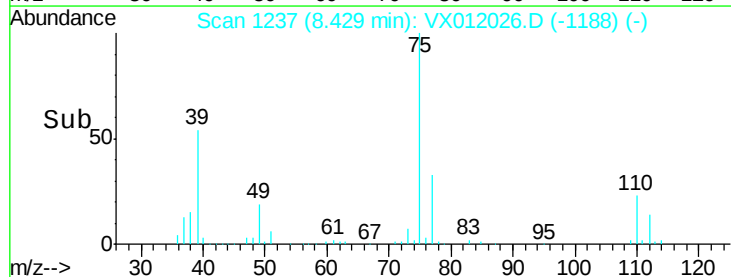
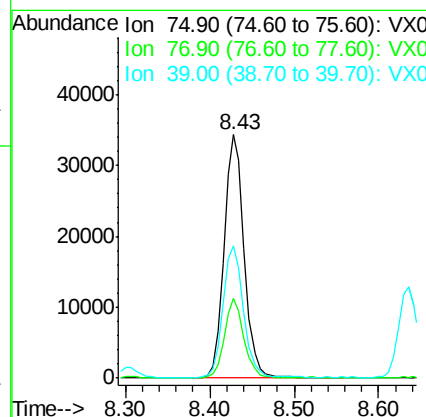
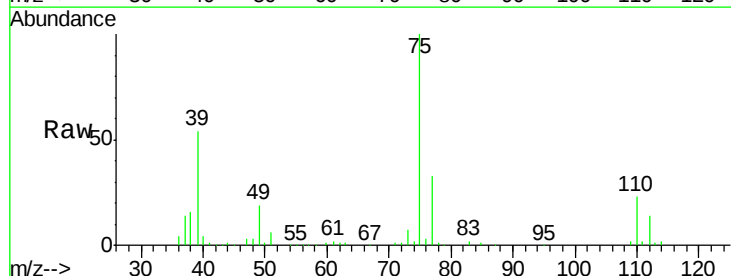
Manual Integrations
APPROVED

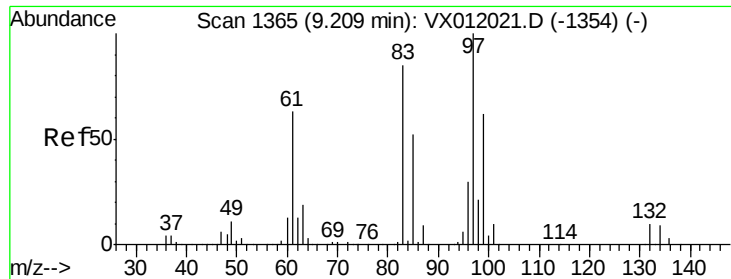
sam
9/4/2019 4:45:58 PM



#54
cis-1,3-Dichloropropene
Concen: 19.512 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion: 75 Resp: 55770
Ion Ratio Lower Upper
75 100
77 32.6 25.5 38.3
39 53.9 43.0 64.4





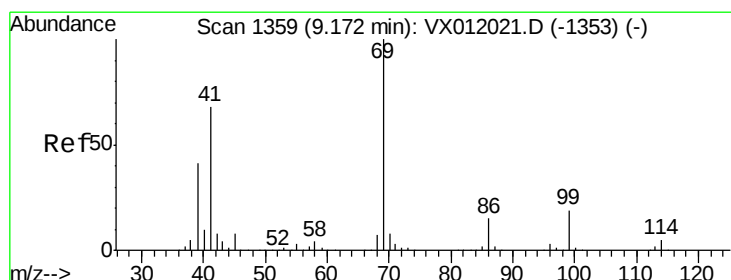
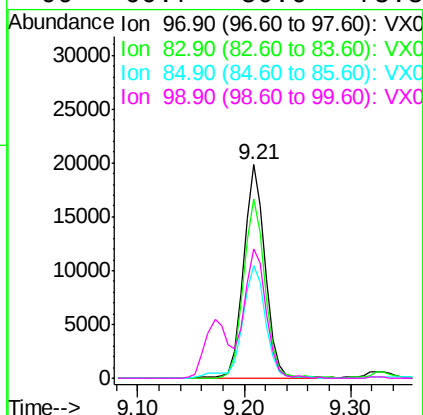
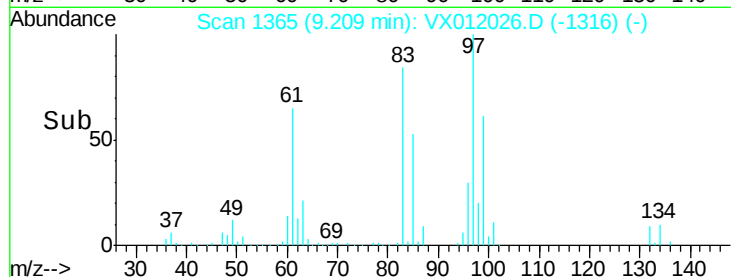
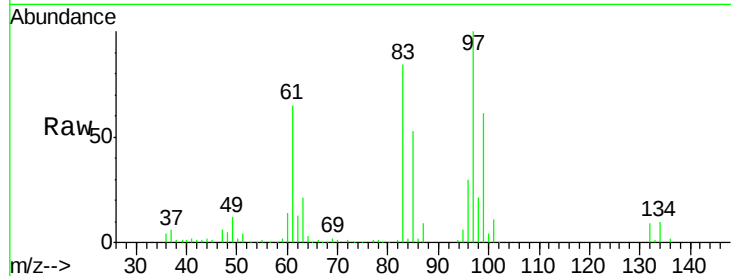
#55
 1,1,2-Trichloroethane
 Concen: 20.255 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion:	97	Resp:	28283
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.0	99.0
85	52.9	41.0	61.6
99	60.7	50.6	75.8

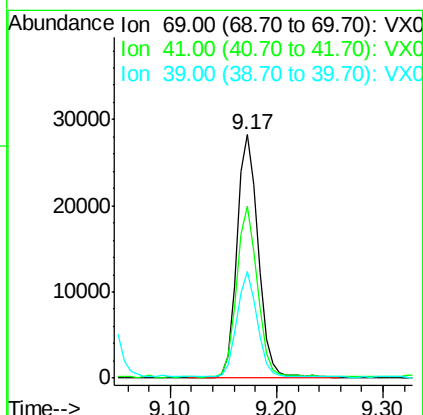
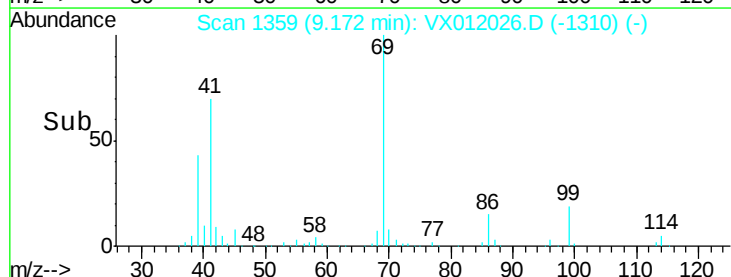
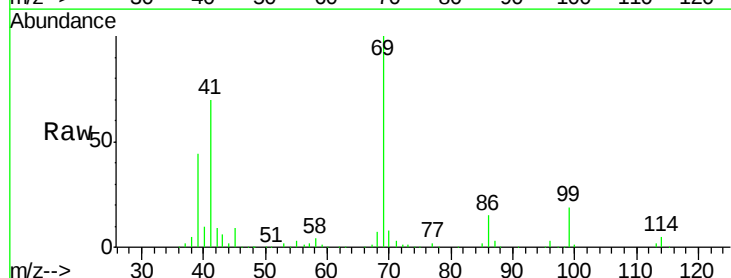
Manual Integrations
 APPROVED

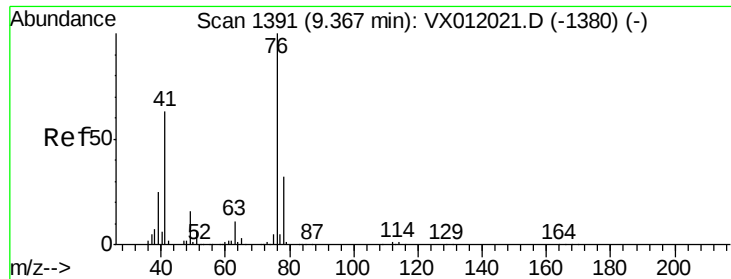
sam
 9/4/2019 4:45:58 PM



#56
 Ethyl methacrylate
 Concen: 20.018 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Tgt Ion:	69	Resp:	40039
Ion	Ratio	Lower	Upper
69	100		
41	68.6	53.9	80.9
39	41.3	31.1	46.7





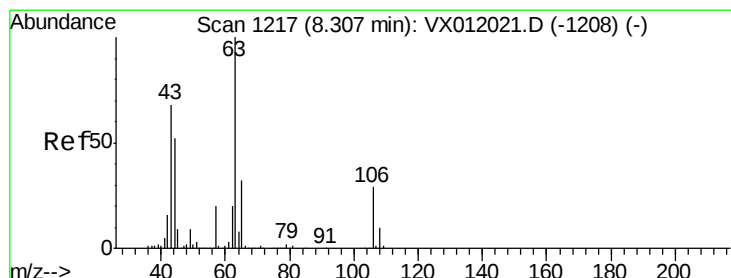
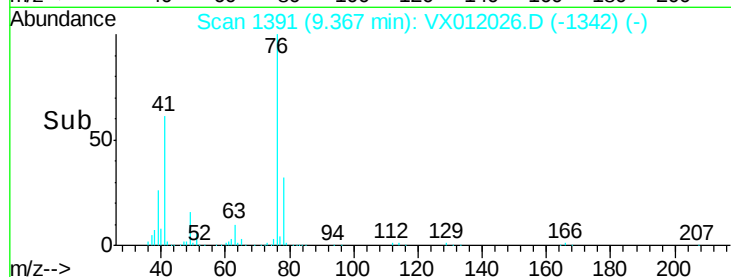
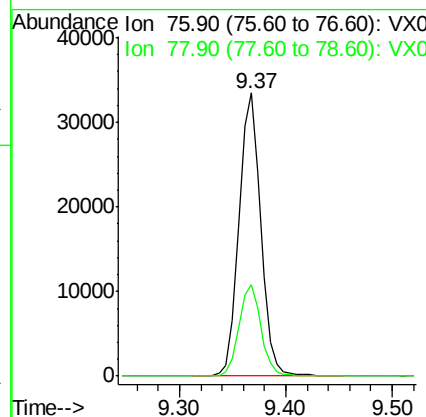
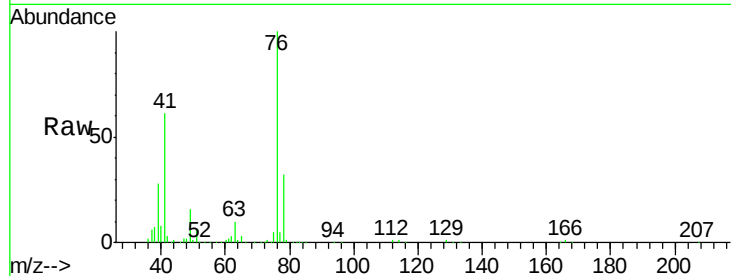
#57
 1,3-Dichloropropane
 Concen: 20.013 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	32.7	25.5	38.3	

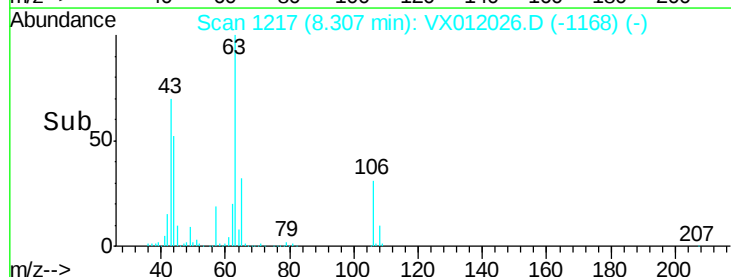
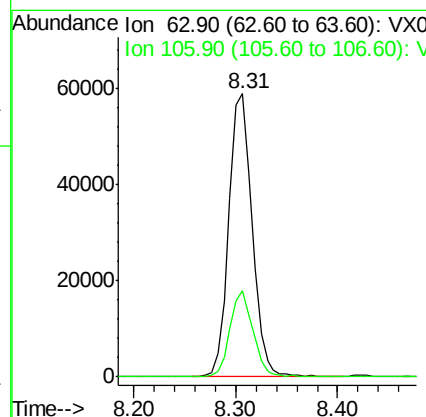
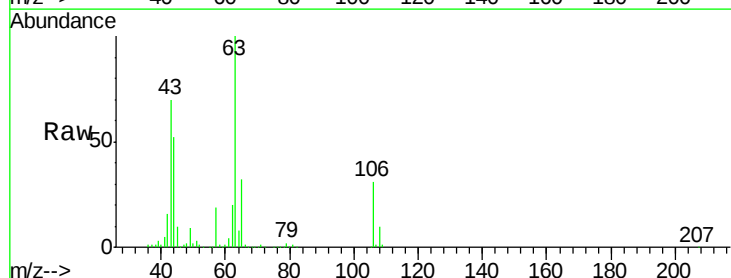
Manual Integrations
 APPROVED

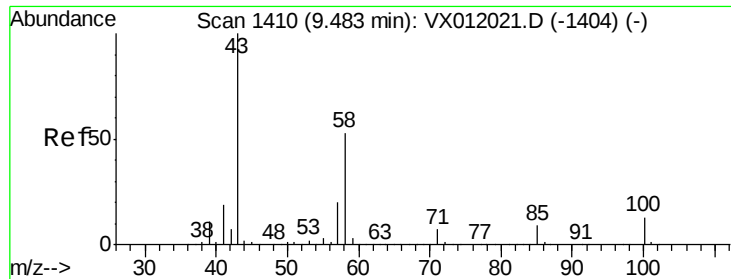
sam
 9/4/2019 4:45:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.121 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
106	29.9	26.5	39.7	





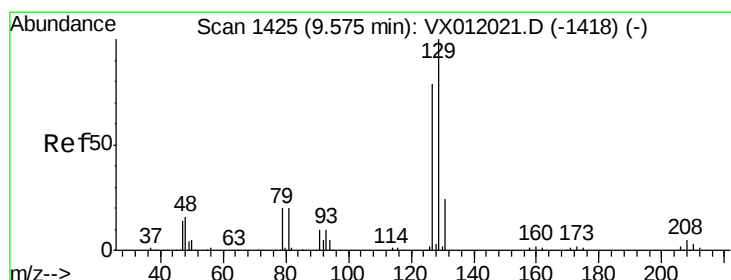
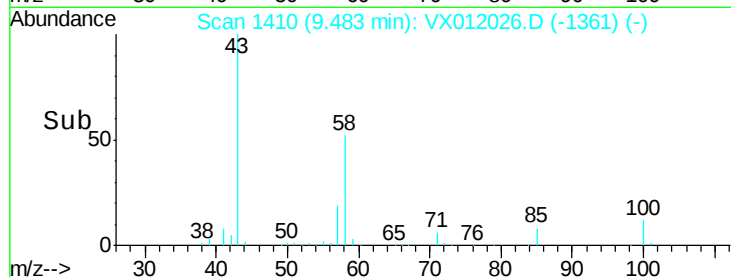
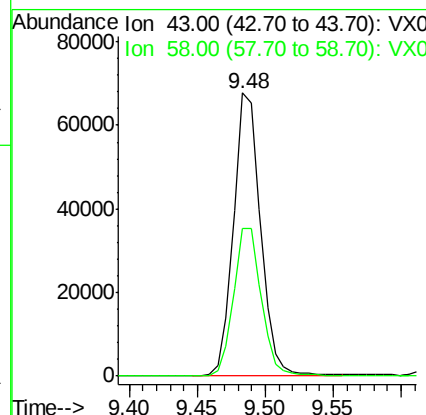
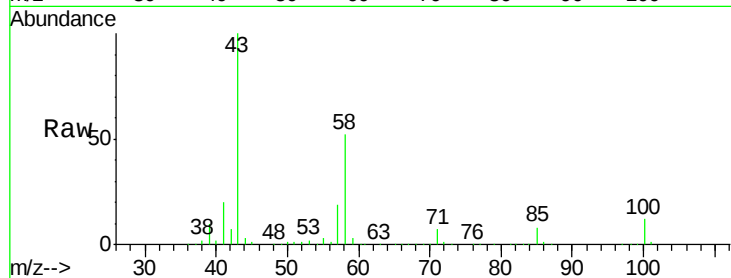
#59
2-Hexanone
Concen: 100.965 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion: 43 Resp: 93464
Ion Ratio Lower Upper
43 100
58 54.2 27.2 81.6

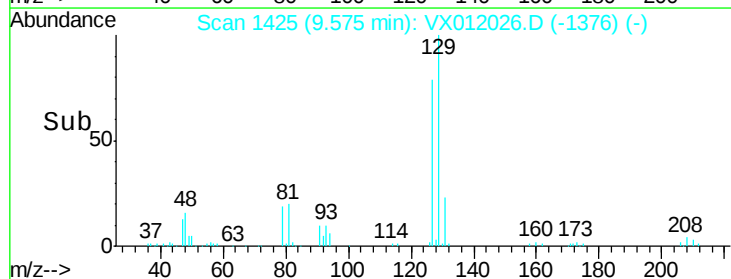
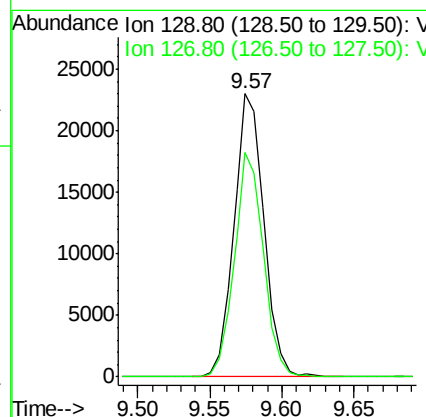
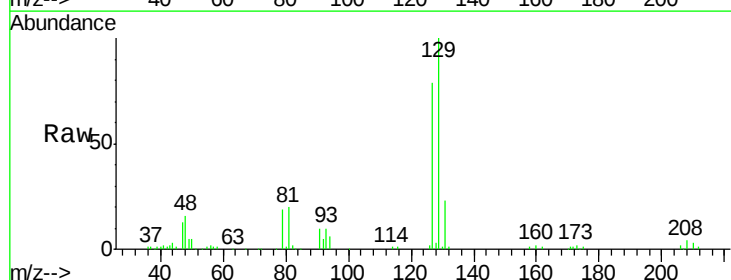
Manual Integrations
APPROVED

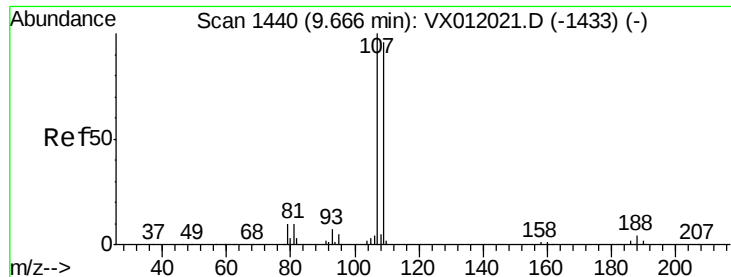
sam
9/4/2019 4:45:58 PM



#60
Dibromochloromethane
Concen: 20.029 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion: 129 Resp: 33333
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 19.927 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 107 Resp: 26888

Ion Ratio Lower Upper

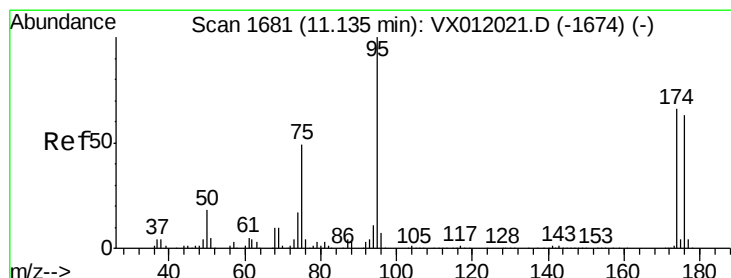
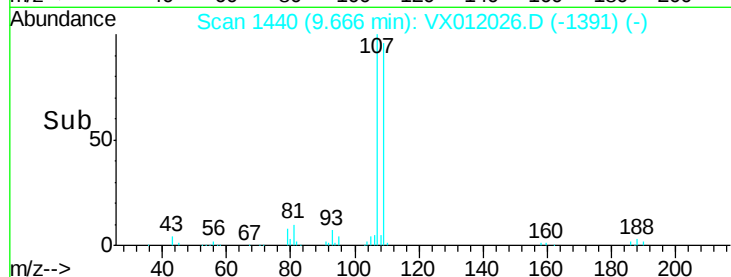
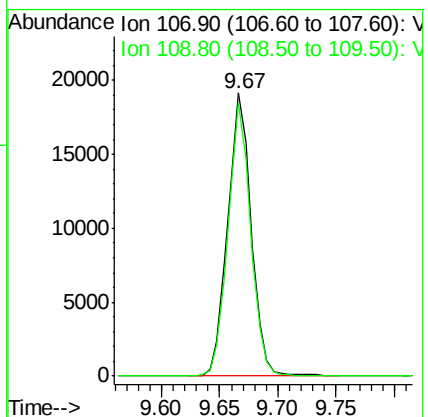
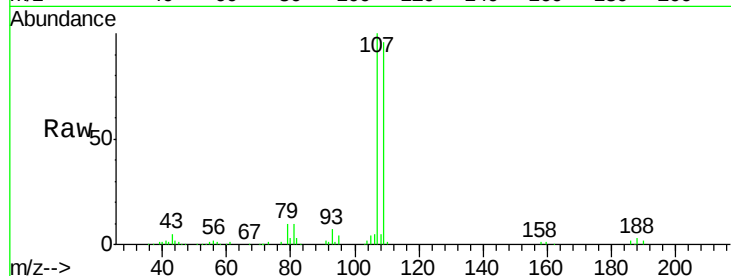
107 100

109 93.4 76.9 115.3

Manual Integrations
APPROVED

sam

9/4/2019 4:45:58 PM



#62

4-Bromofluorobenzene

Concen: 48.639 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

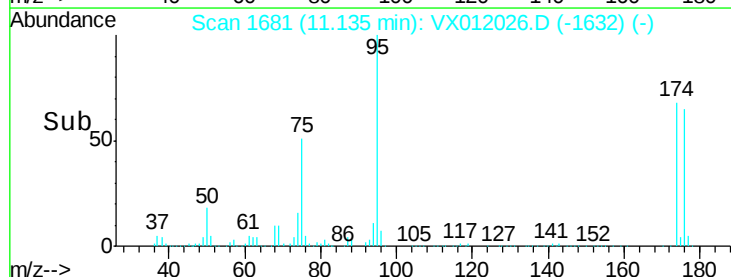
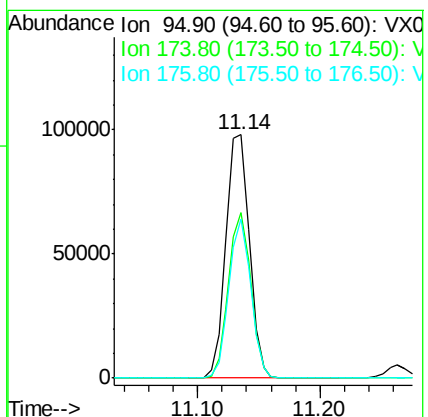
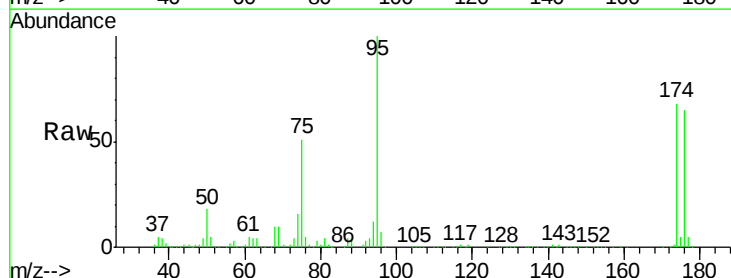
Tgt Ion: 95 Resp: 130738

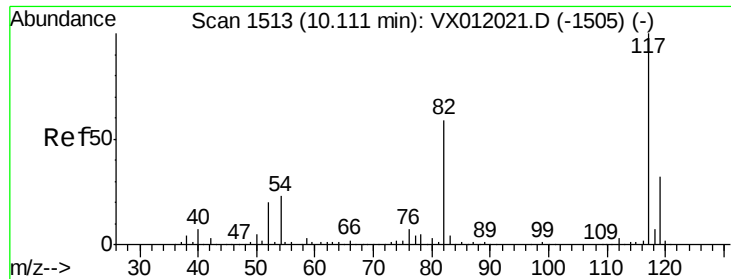
Ion Ratio Lower Upper

95 100

174 64.7 0.0 205.4

176 60.8 0.0 201.8





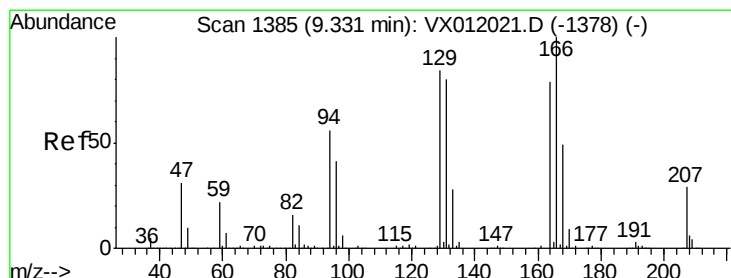
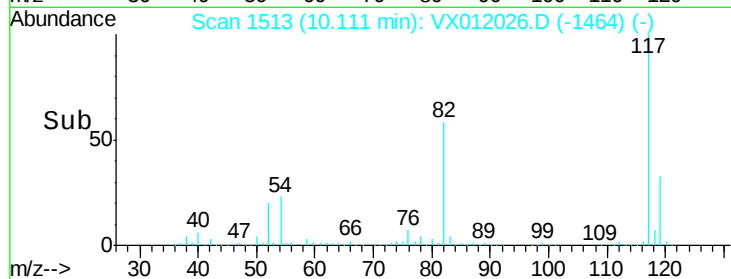
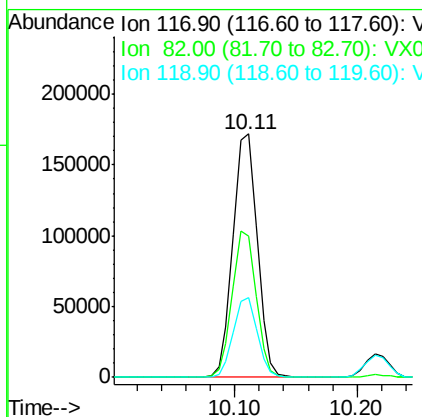
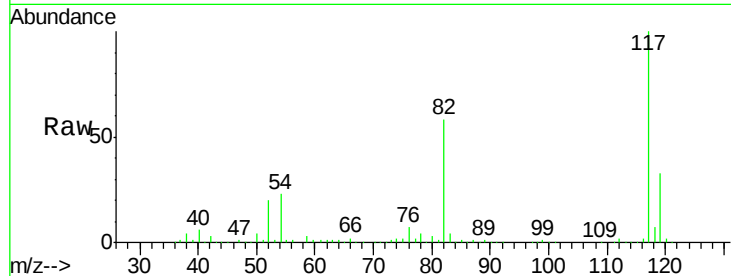
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	39.4	59.0
119	32.6	26.1	39.1

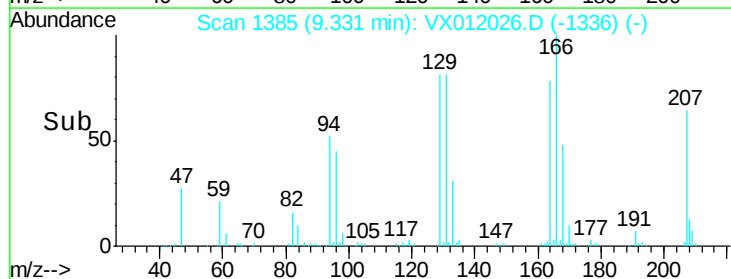
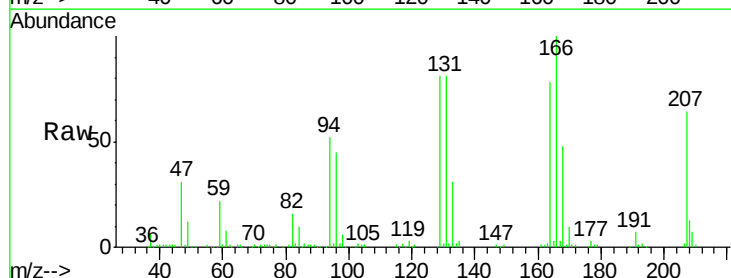
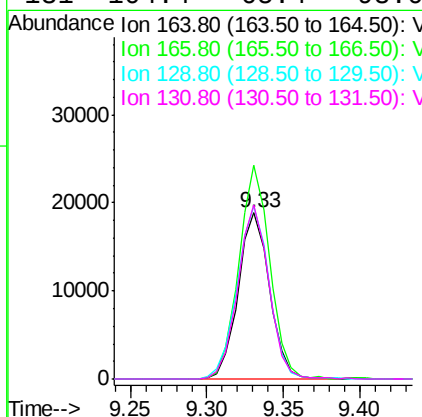
Manual Integrations
APPROVED

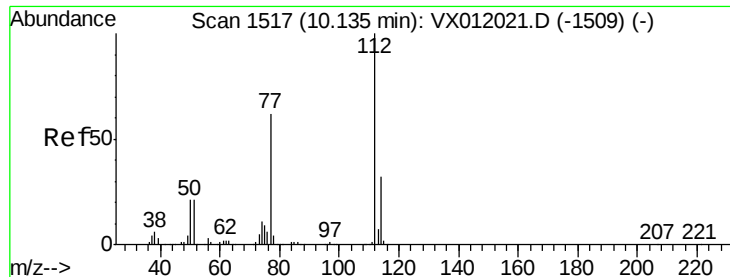
sam
9/4/2019 4:45:58 PM



#64
Tetrachloroethene
Concen: 18.154 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	104.3	156.5
129	104.1	68.3	102.5#
131	104.4	65.4	98.0#





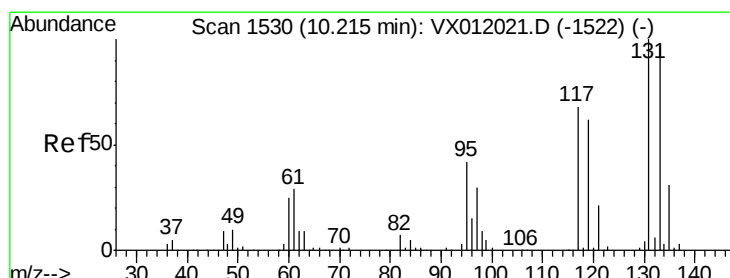
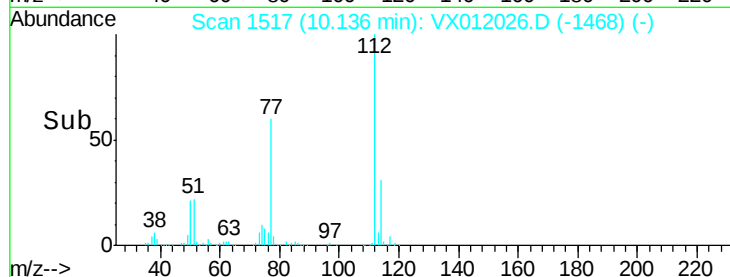
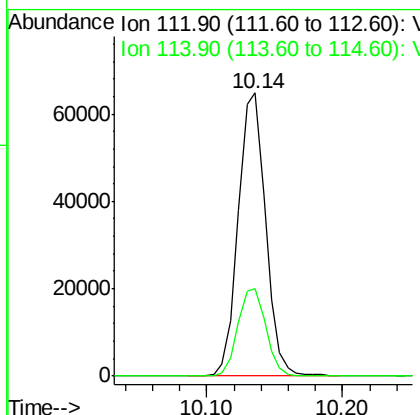
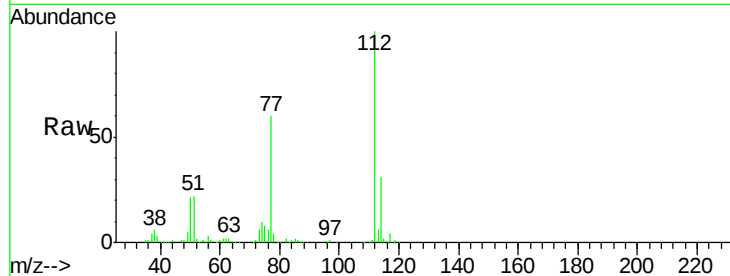
#65
Chlorobenzene
Concen: 19.451 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion:112 Resp: 90907
Ion Ratio Lower Upper
112 100
114 31.0 26.2 39.2

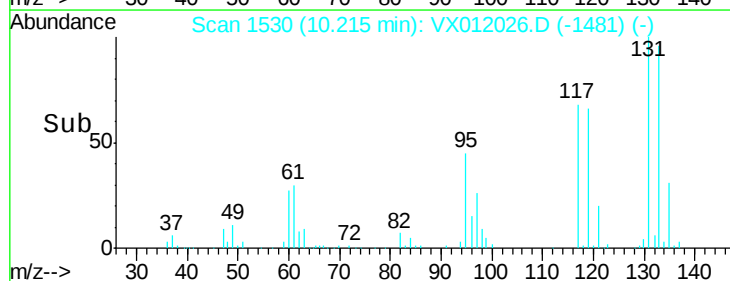
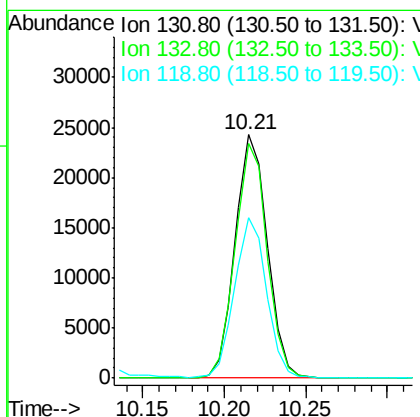
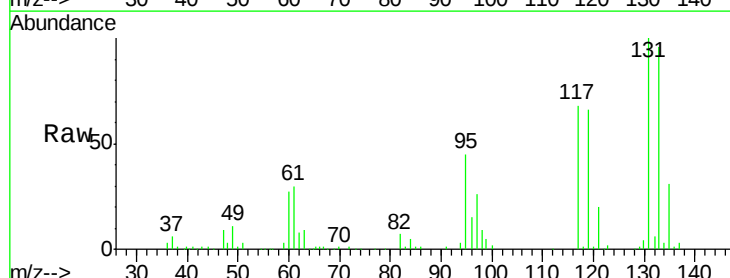
Manual Integrations
APPROVED

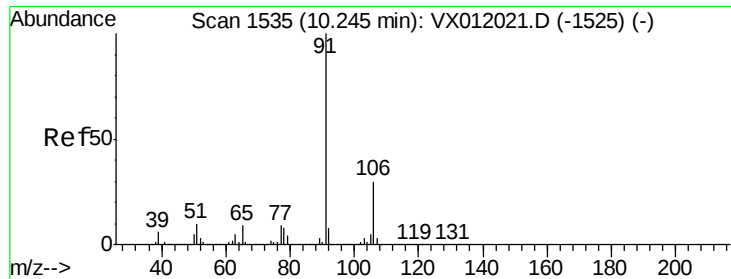
sam
9/4/2019 4:45:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.555 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion:131 Resp: 33417
Ion Ratio Lower Upper
131 100
133 95.8 48.4 145.0
119 65.6 30.5 91.5





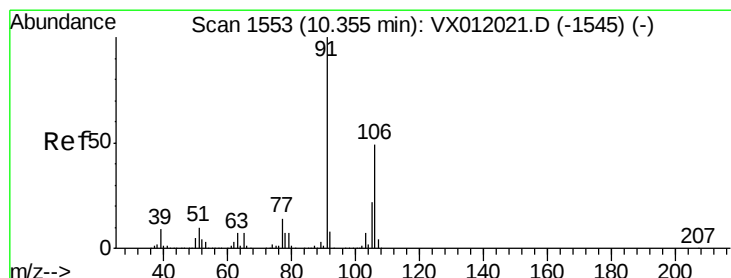
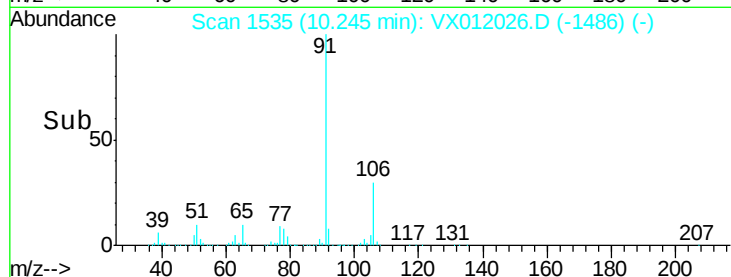
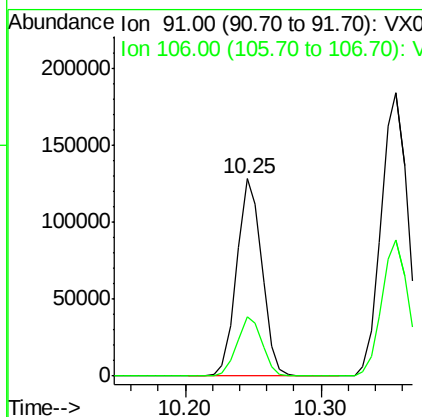
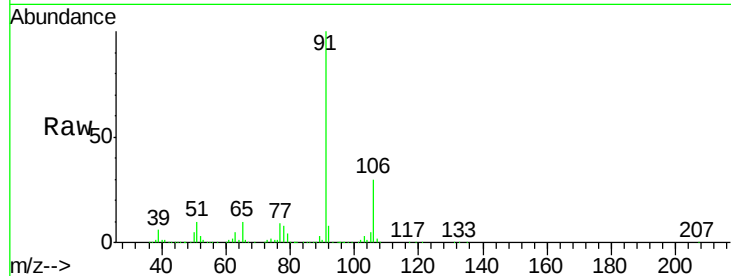
#67
Ethyl Benzene
Concen: 19.487 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion: 91 Resp: 166007
Ion Ratio Lower Upper
91 100
106 30.3 25.8 38.8

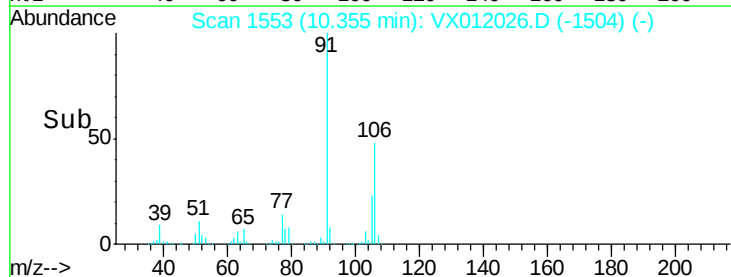
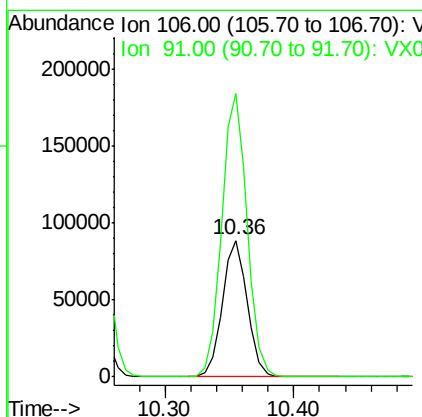
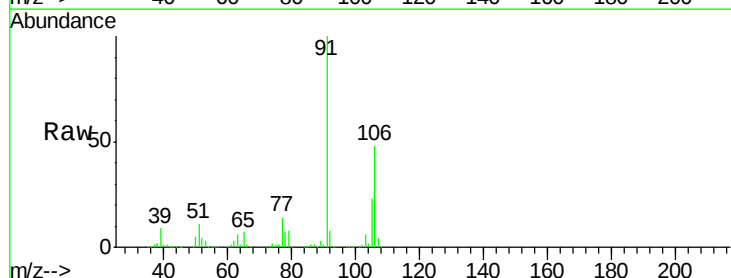
Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM



#68
m/p-Xylenes
Concen: 38.494 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion: 106 Resp: 120823
Ion Ratio Lower Upper
106 100
91 210.4 157.5 236.3





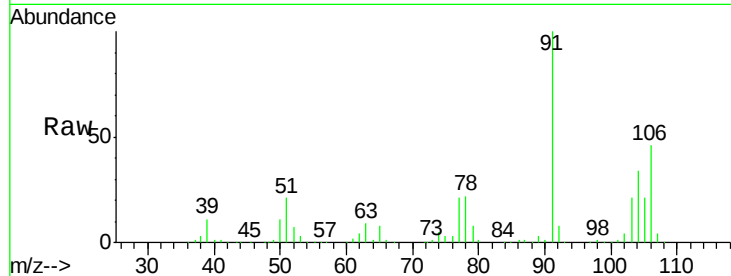
#69
o-Xylene
Concen: 19.639 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampled :
VX0903SBS01

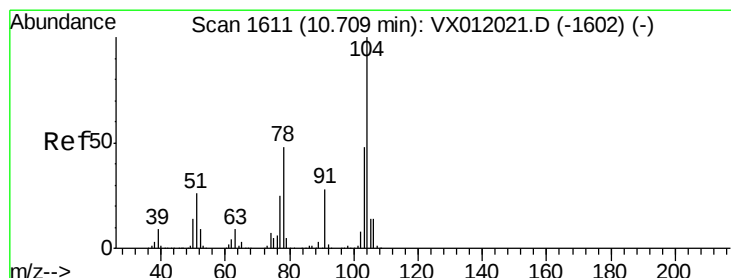
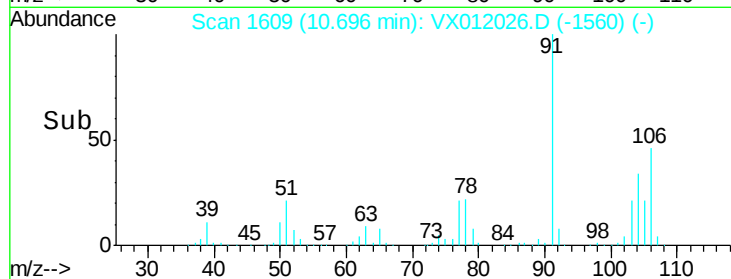
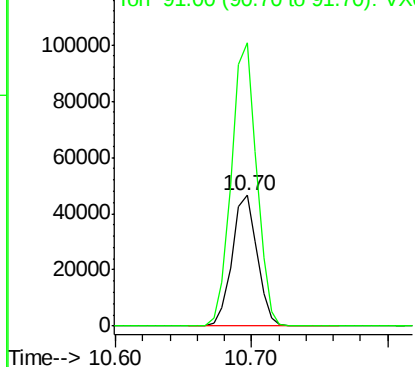
Tot Ion:106 Resp: 59774
Ion Ratio Lower Upper
106 100
91 218.5 103.5 310.3

Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM

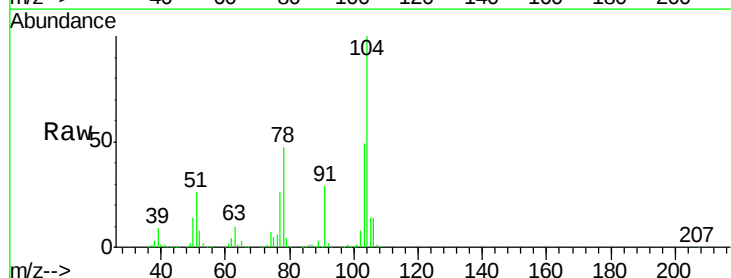


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

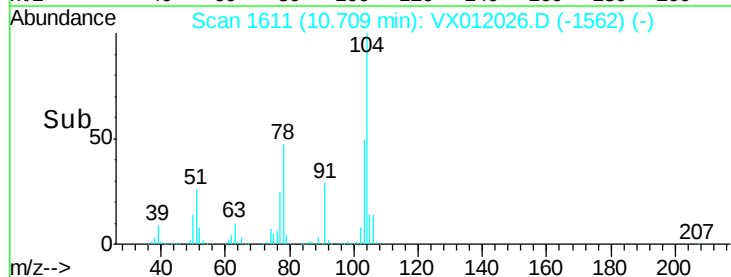
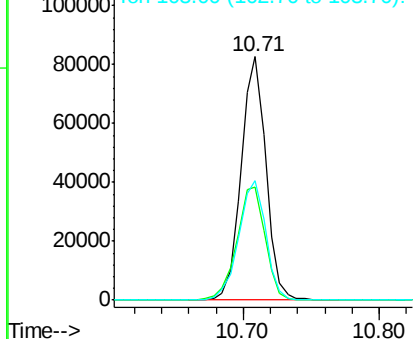


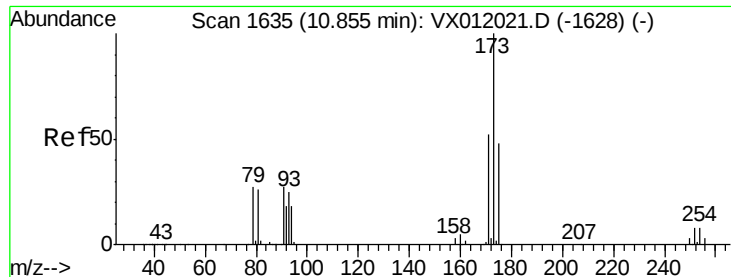
#70
Styrene
Concen: 19.927 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion:104 Resp: 105343
Ion Ratio Lower Upper
104 100
78 53.2 39.1 58.7
103 53.4 43.4 65.2



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





#71

Bromoform

Concen: 19.731 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

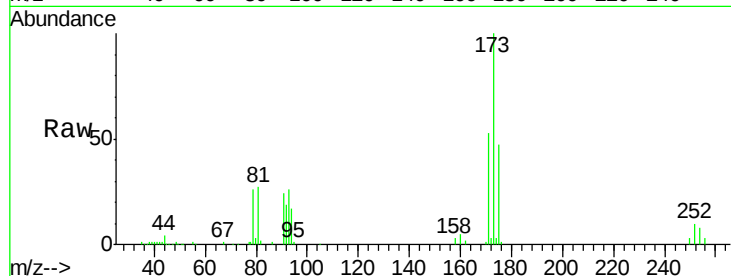
ClientSampleId :

VX0903SBS01

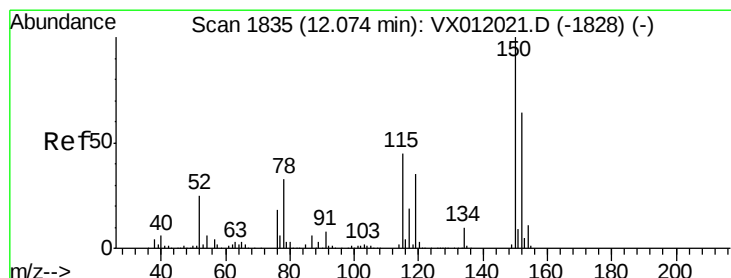
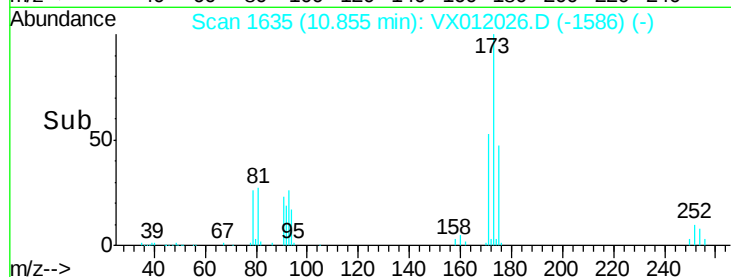
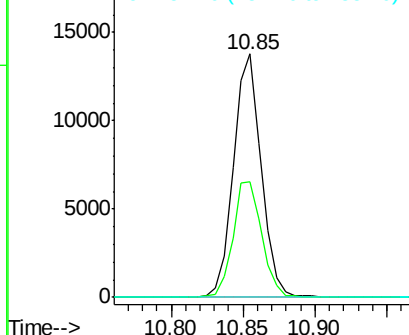
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.9	74.7
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

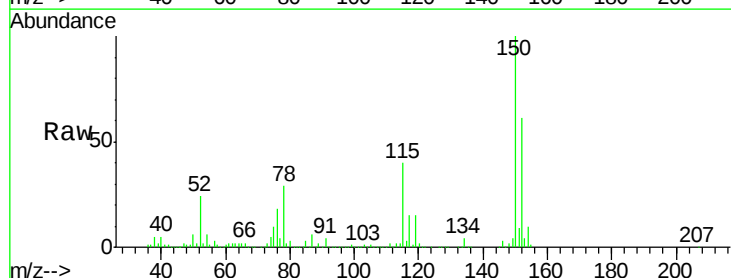
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

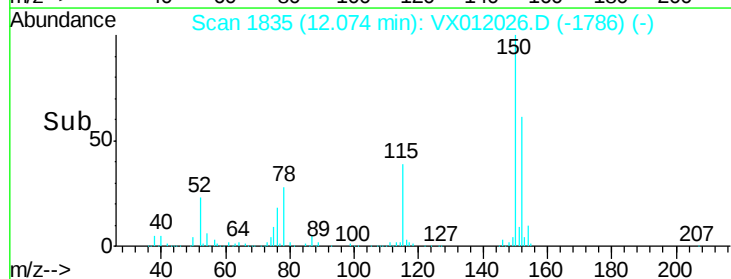
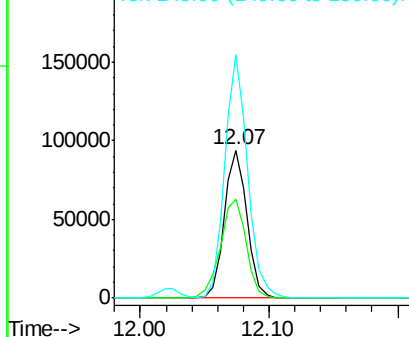
Lab File: VX012026.D

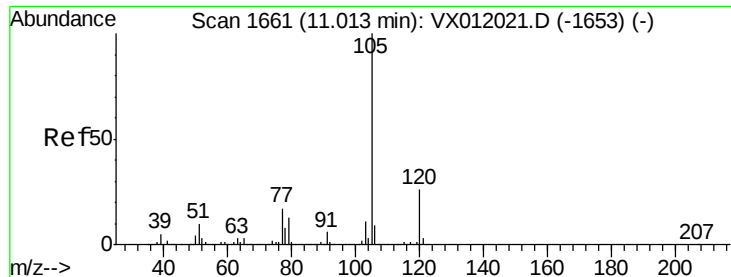
Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.1	36.4	109.3
150	167.0	0.0	341.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.798 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion:105 Resp: 159914

Ion Ratio Lower Upper

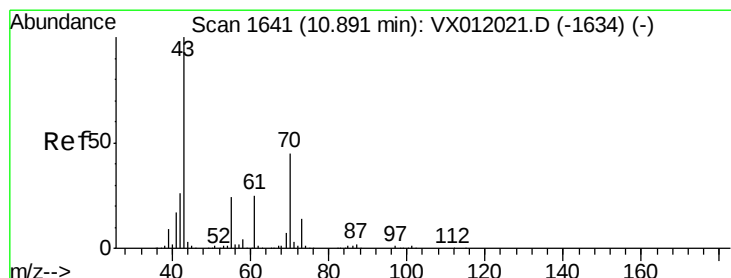
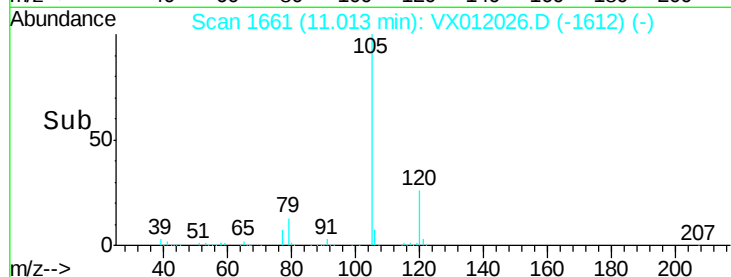
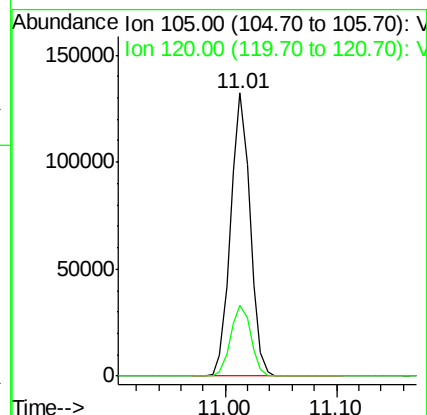
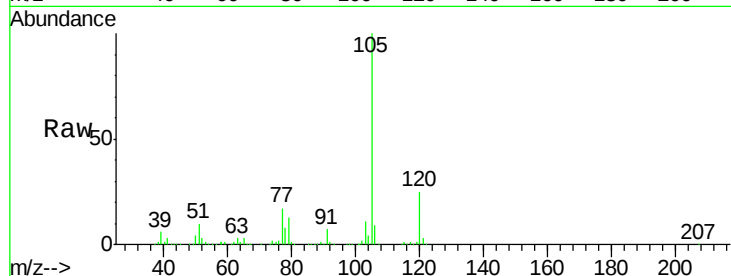
105 100

120 26.1 13.9 41.6

Manual Integrations
APPROVED

sam

9/4/2019 4:45:58 PM



#74

N-ethyl acetate

Concen: 19.839 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Tgt Ion: 43 Resp: 49899

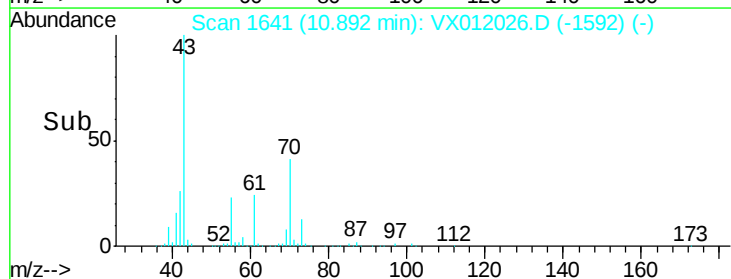
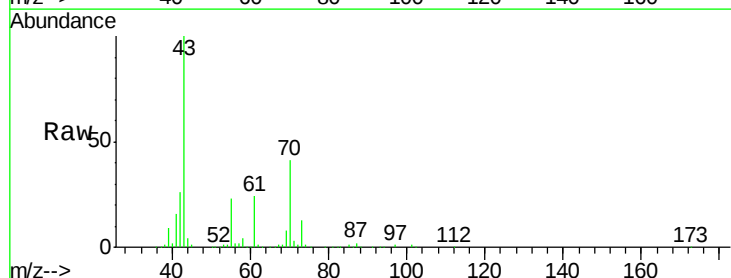
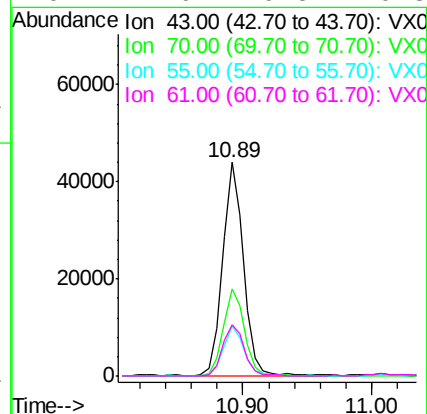
Ion Ratio Lower Upper

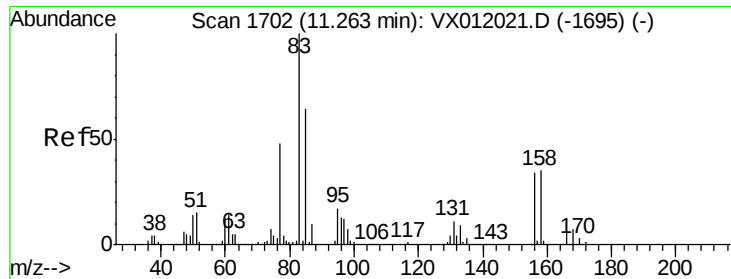
43 100

70 42.3 34.4 51.6

55 24.4 18.5 27.7

61 24.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.884 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

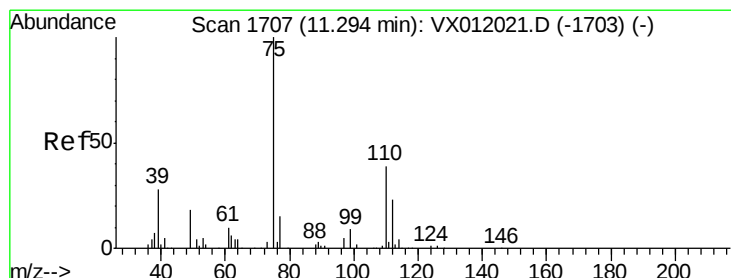
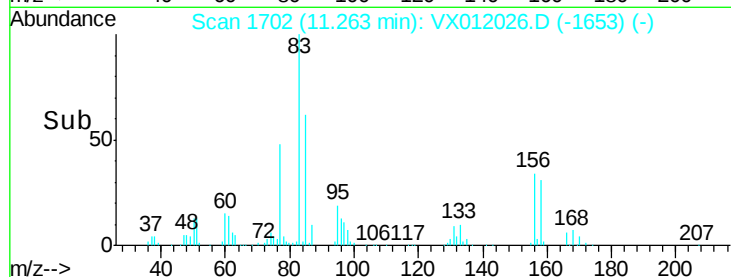
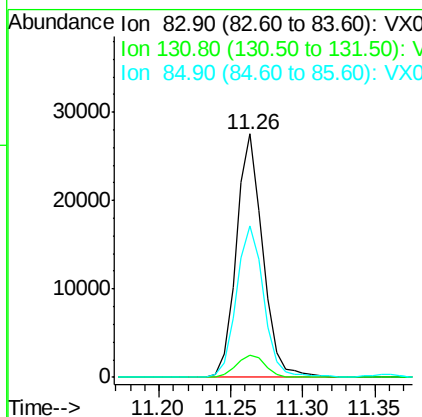
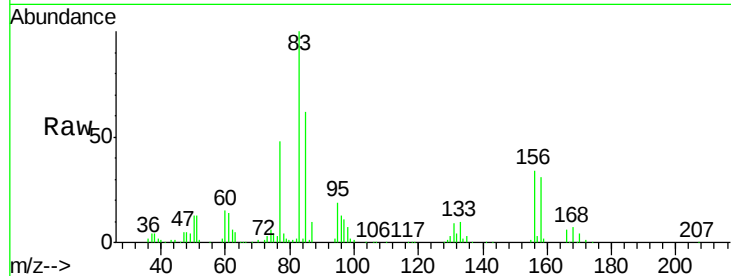
ClientSampleId :

VX0903SBS01

Tot Ion:	83	Resp:	35264
Ion Ratio	Lower	Upper	
83	100		
131	9.9	6.3	19.1
85	64.5	32.5	97.4

Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM



#76

1,2,3-Trichloropropane

Concen: 18.593 ug/l m

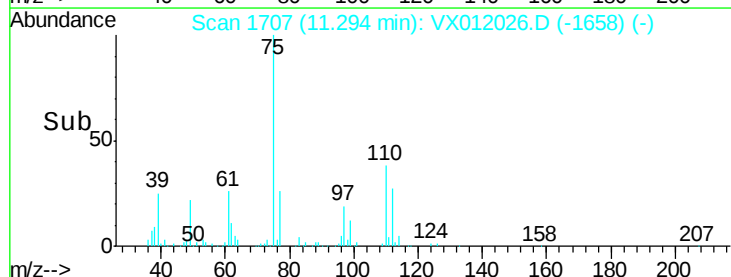
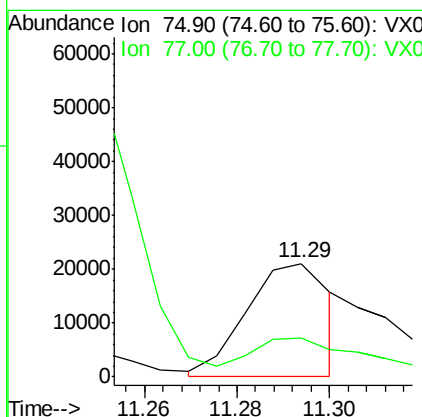
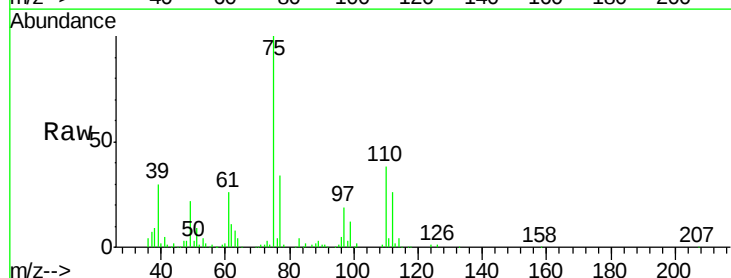
RT: 11.29 min Scan# 1707

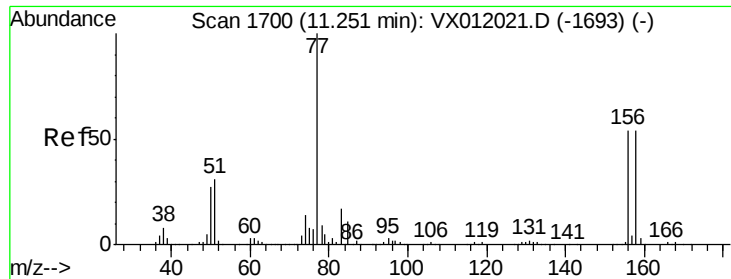
Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Tgt Ion:	75	Resp:	26340
Ion Ratio	Lower	Upper	
75	100		
77	47.5	23.5	70.5





#77

Bromobenzene

Concen: 19.054 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

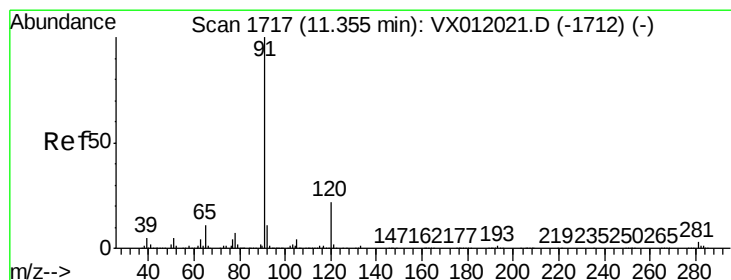
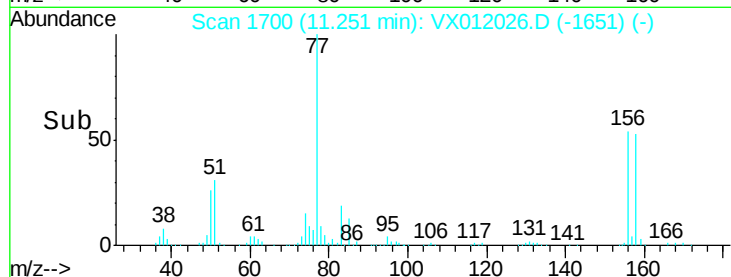
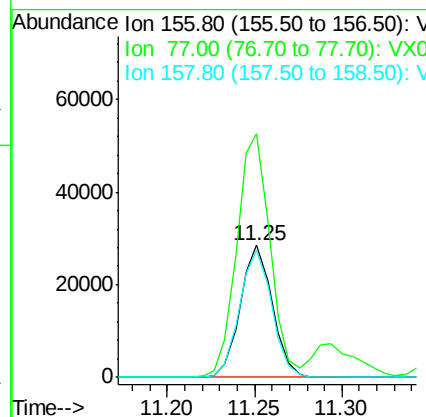
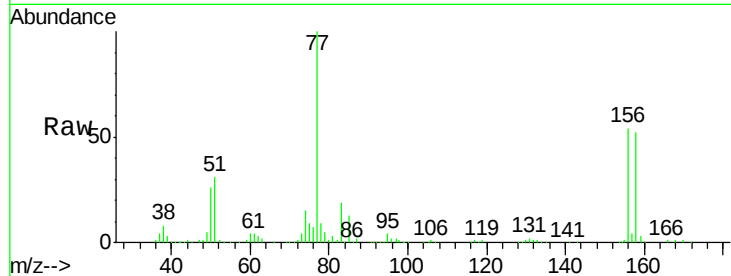
ClientSampleId :

VX0903SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	191.5	63.4	190.2#
158	97.3	48.9	146.6

Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM



#78

n-propylbenzene

Concen: 18.973 ug/l

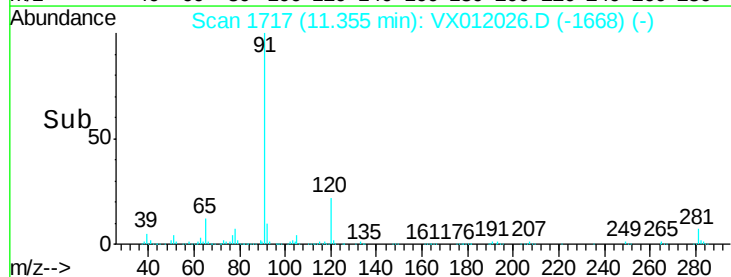
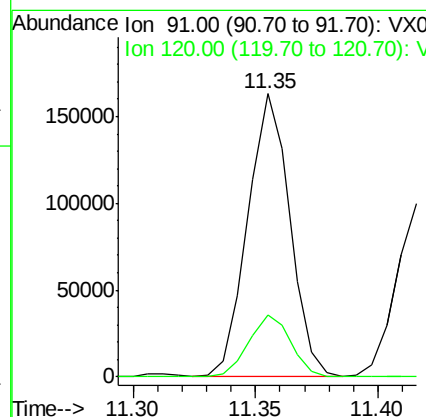
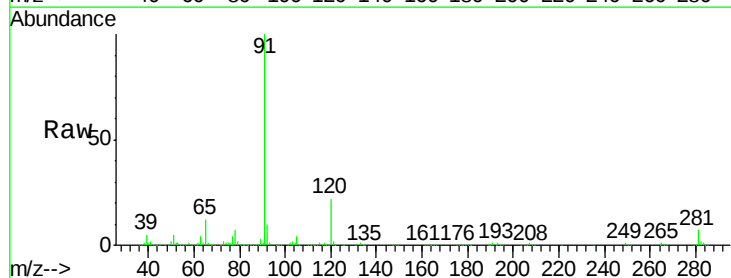
RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.268 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 91 Resp: 119970

Ion Ratio Lower Upper

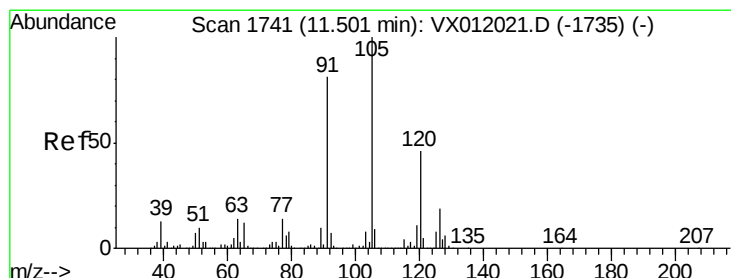
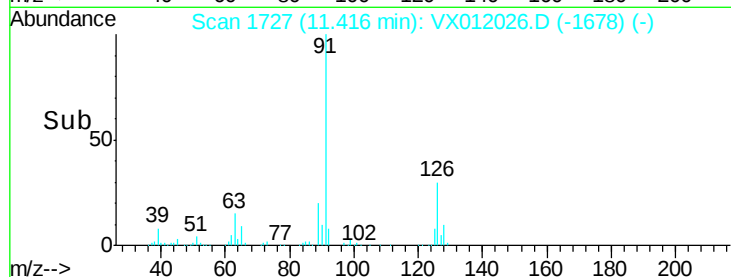
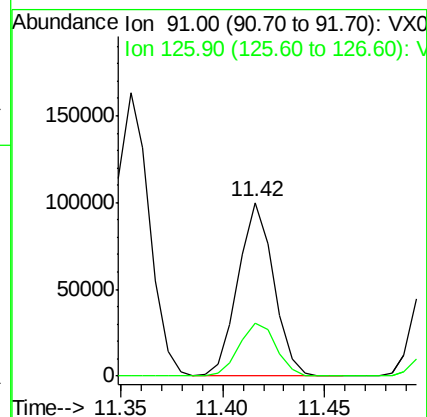
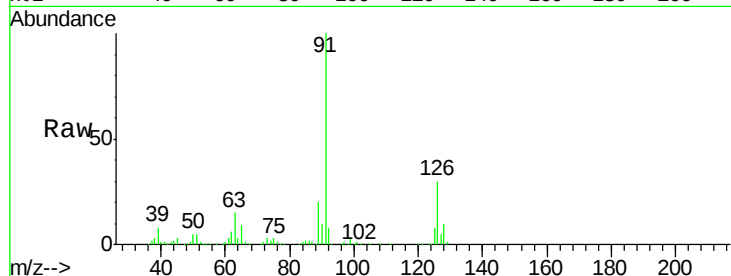
91 100

126 32.0 18.6 55.8

Manual Integrations
APPROVED

sam

9/4/2019 4:45:58 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.261 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012026.D

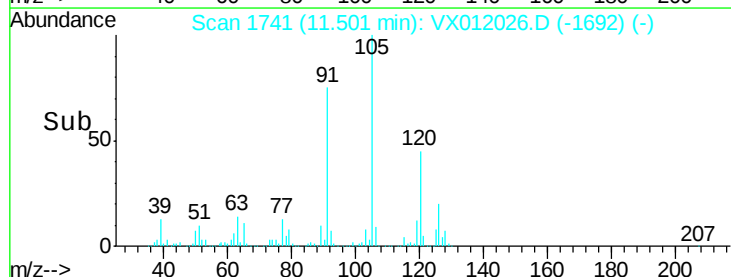
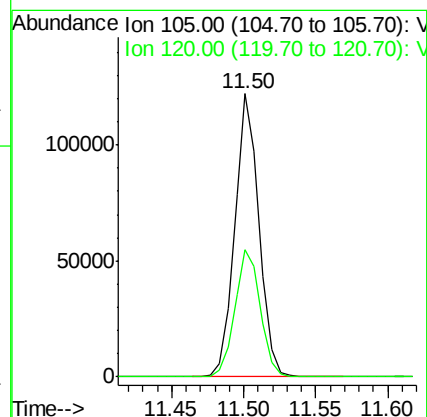
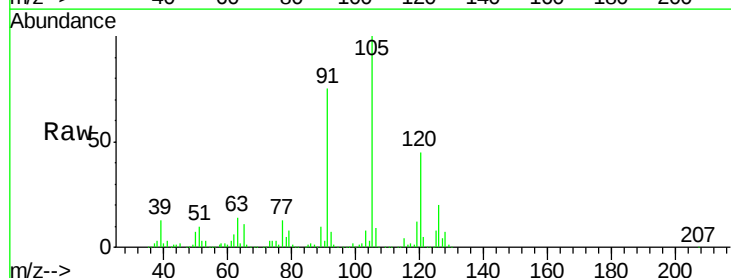
Acq: 03 Sep 2019 17:06

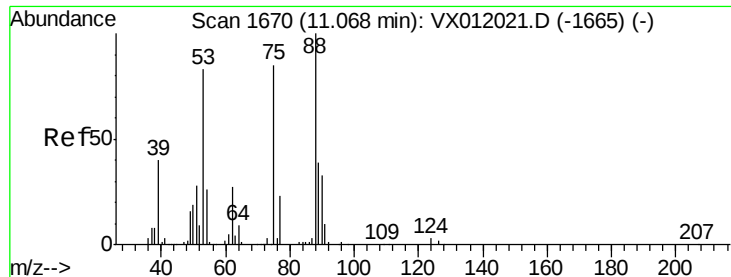
Tgt Ion: 105 Resp: 143592

Ion Ratio Lower Upper

105 100

120 47.1 25.8 77.3





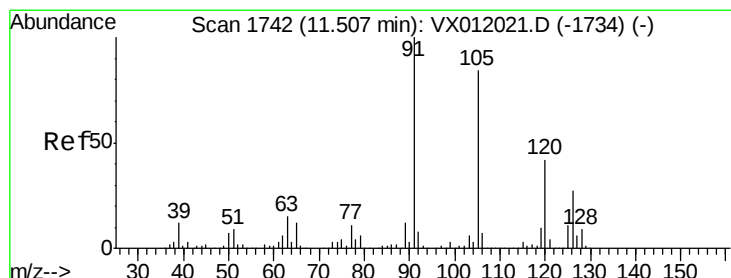
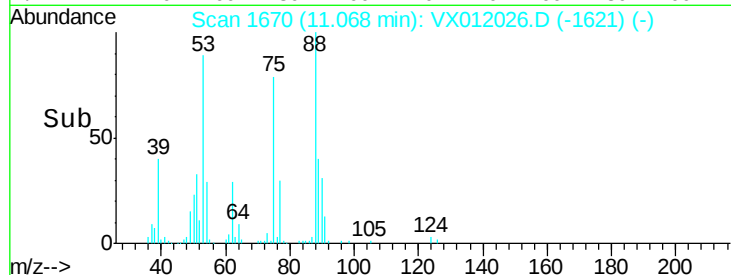
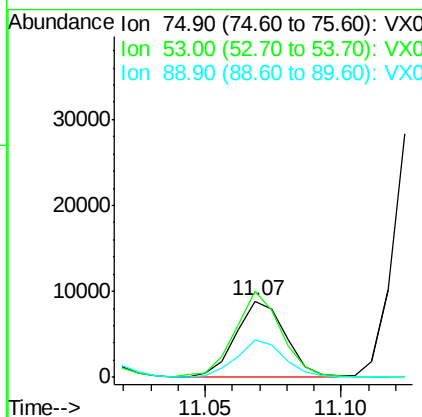
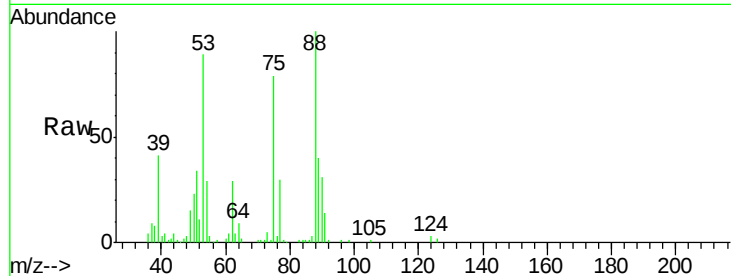
#81
trans-1,4-Dichloro-2-butene
Concen: 18.536 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.5	78.6	117.8
89	48.6	38.8	58.2

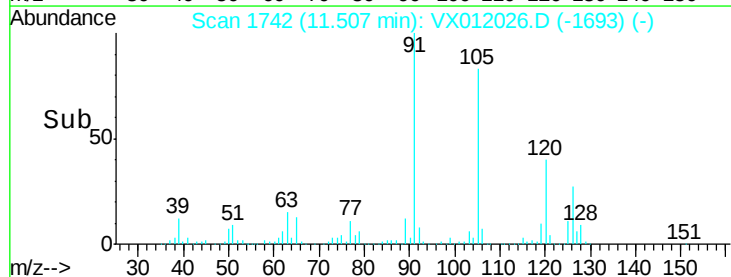
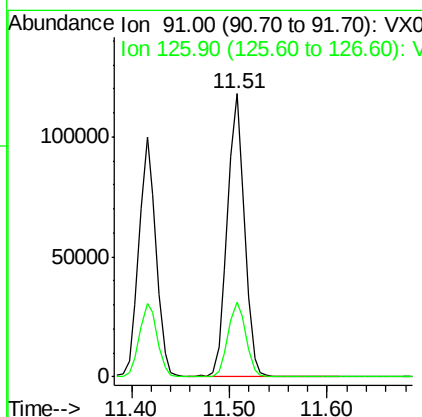
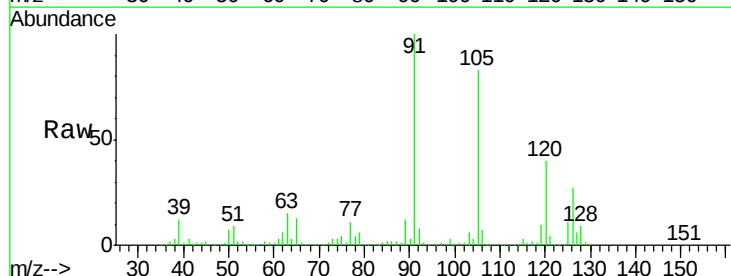
Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM



#82
4-Chlorotoluene
Concen: 19.487 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.4	16.2	48.6





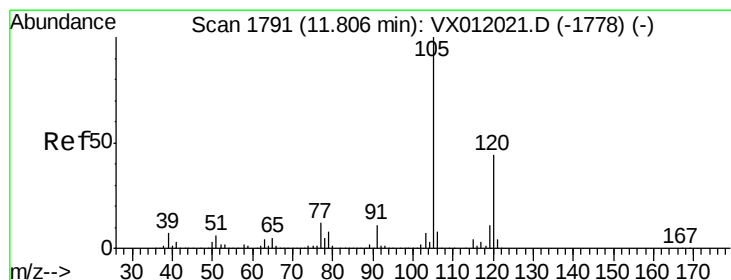
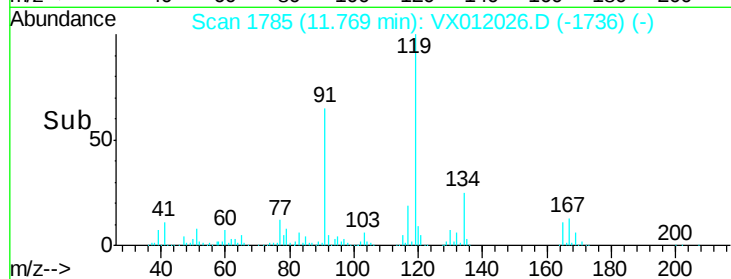
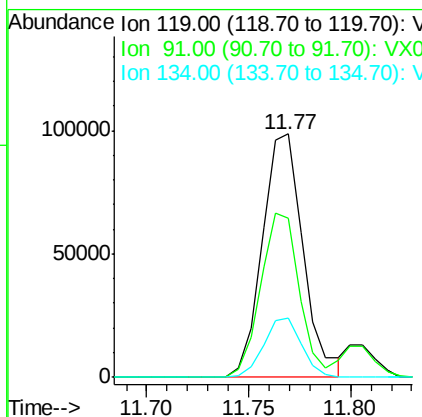
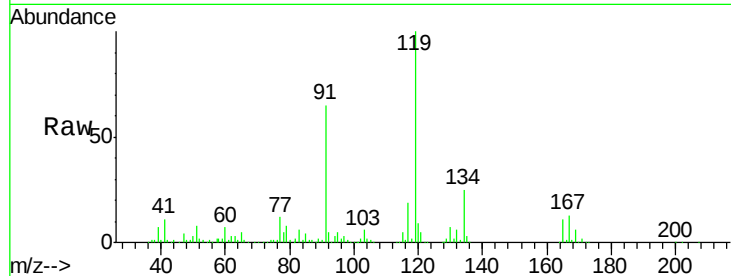
#83
tert-Butylbenzene
Concen: 19.419 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampled :
VX0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	137978		
91	63.7	27.1	81.2	
134	22.6	12.1	36.3	

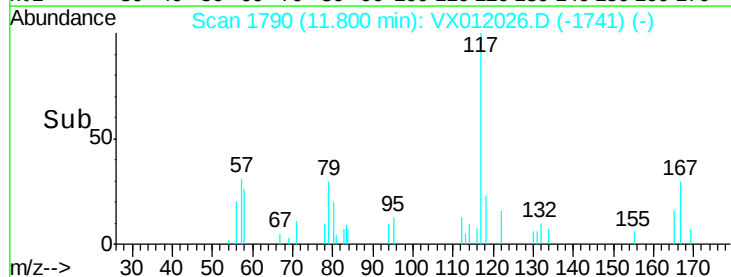
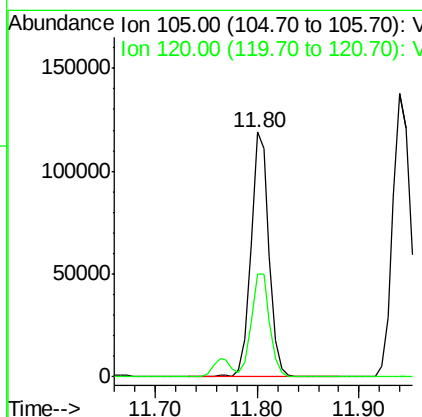
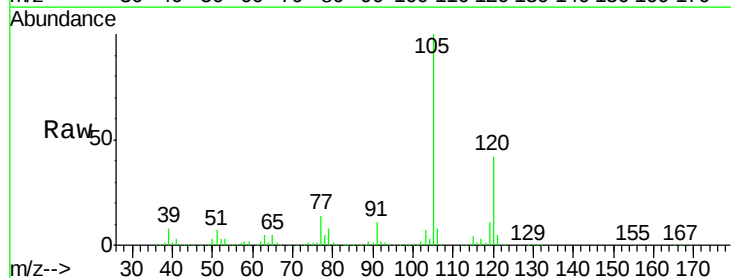
Manual Integrations
APPROVED

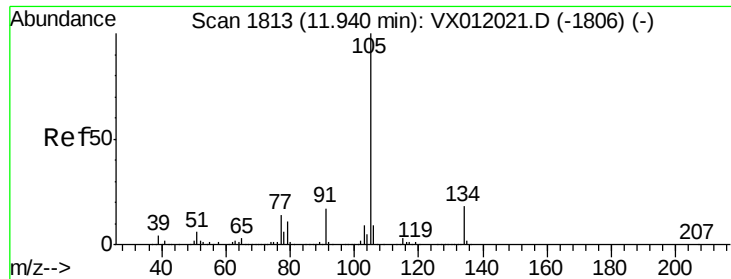
sam
9/4/2019 4:45:58 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.063 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	146060		
120	43.1	23.6	70.8	





#85

sec-Butylbenzene

Concen: 19.067 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion:105 Resp: 168281

Ion Ratio Lower Upper

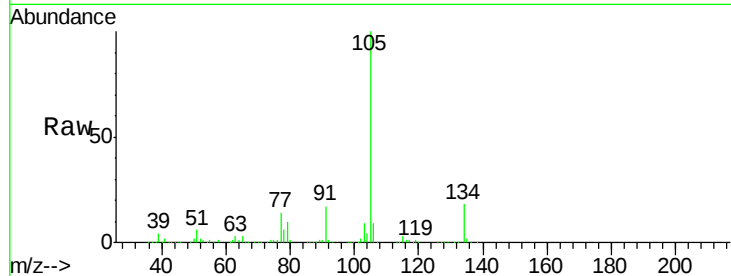
105 100

134 19.5 11.2 33.6

Manual Integrations
APPROVED

sam

9/4/2019 4:45:58 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

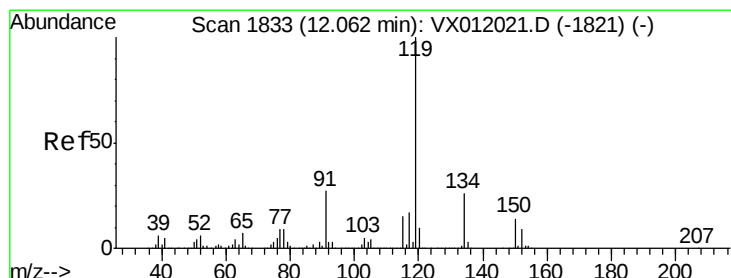
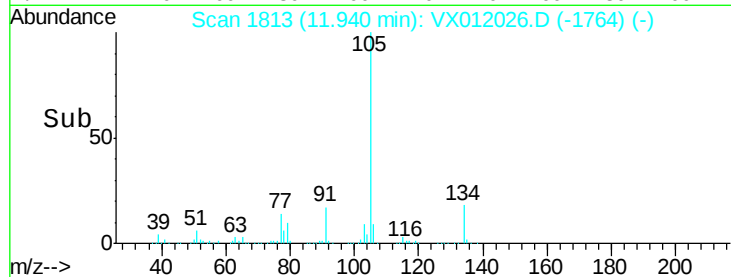
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.715 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

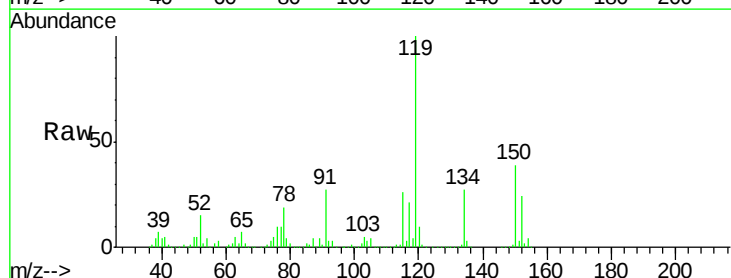
Tgt Ion:119 Resp: 150212

Ion Ratio Lower Upper

119 100

134 26.0 13.7 41.1

91 27.5 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

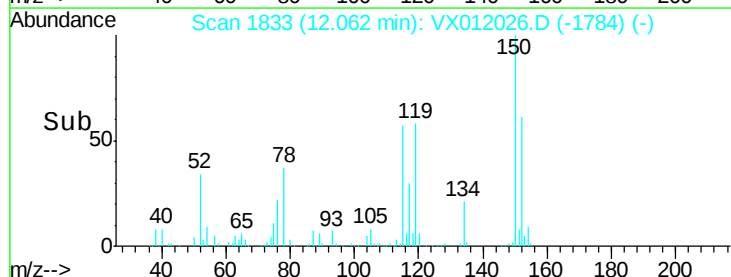
150000

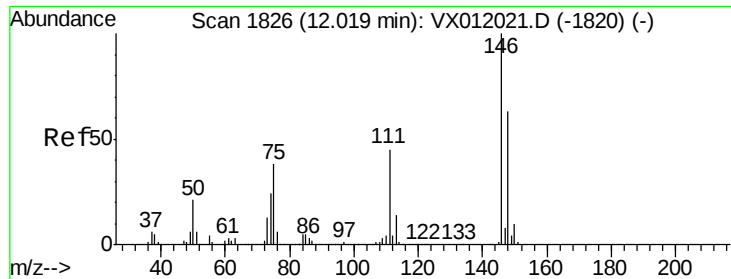
100000

50000

0

Time-->





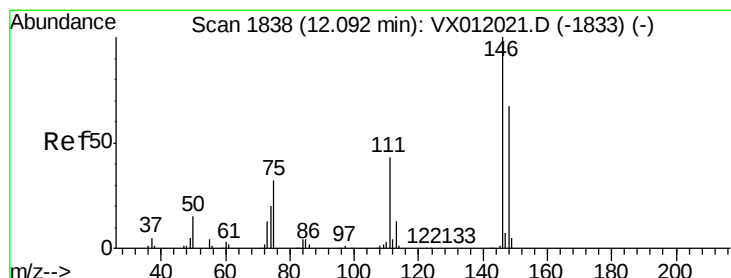
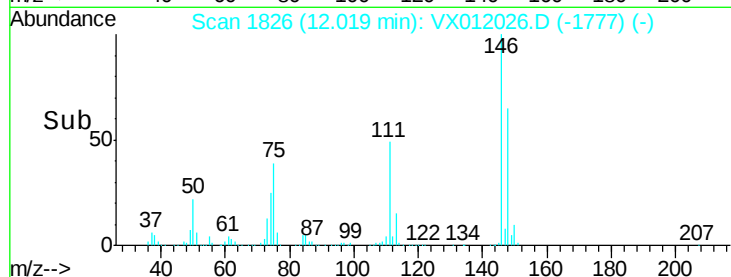
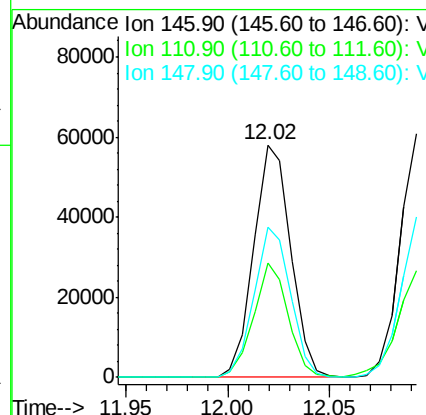
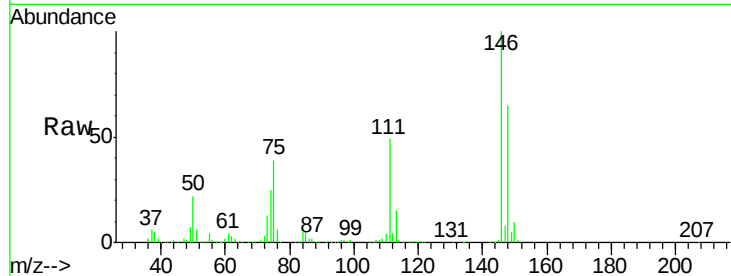
#87
 1,3-Dichlorobenzene
 Concen: 19.262 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	18.1	54.1
148	63.7	32.6	97.8

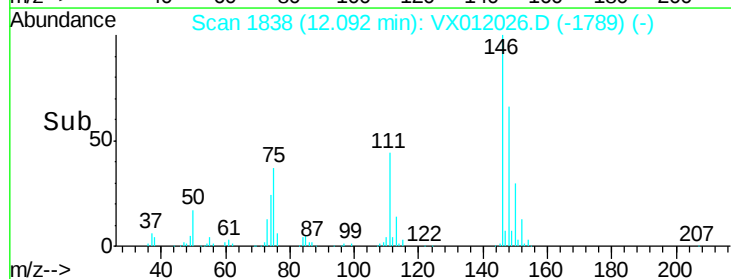
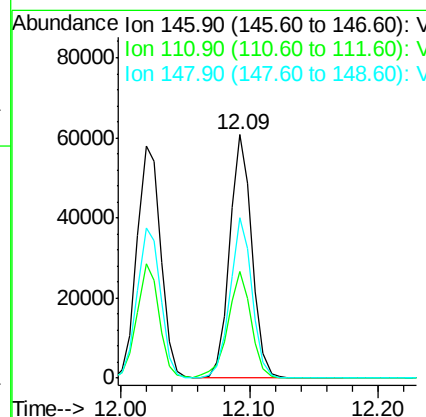
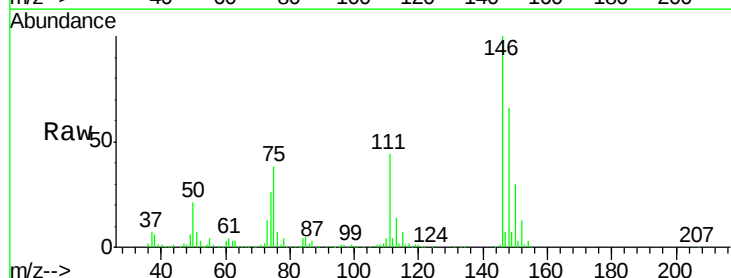
Manual Integrations
 APPROVED

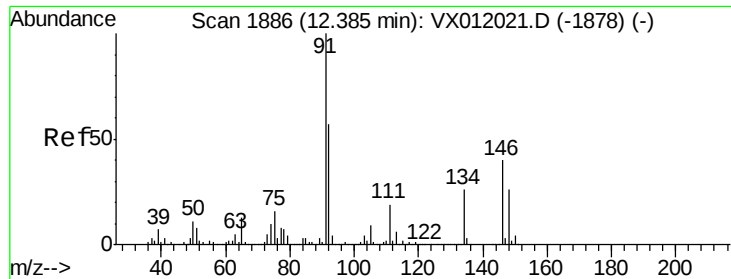
sam
 9/4/2019 4:45:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.406 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	17.7	53.1
148	65.1	32.4	97.0





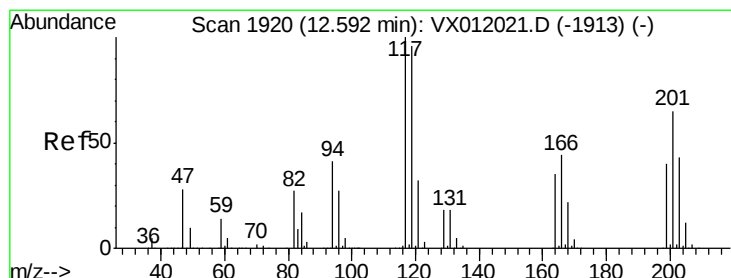
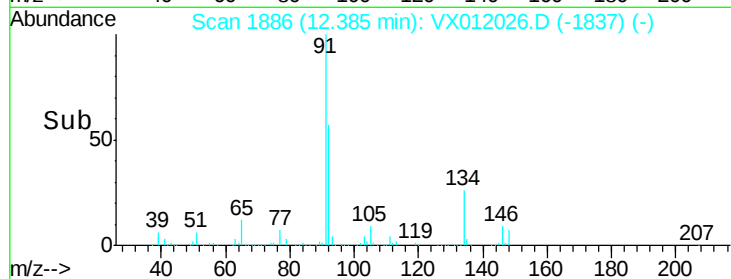
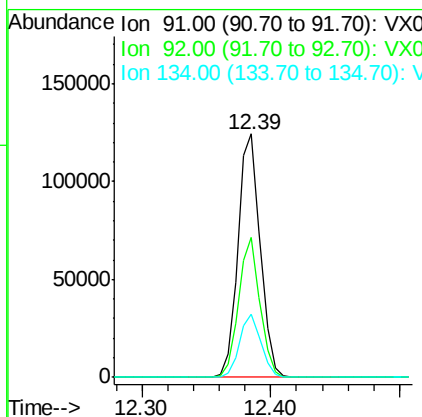
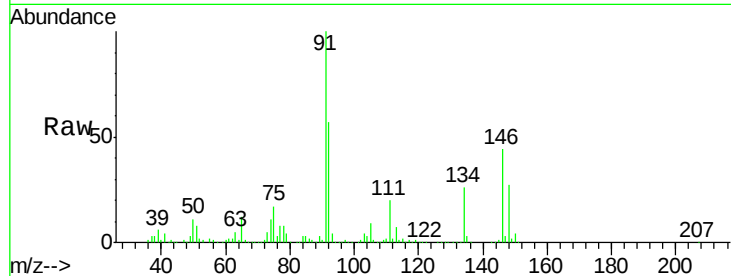
#89
n-Butylbenzene
Concen: 19.107 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.3	27.6	82.8	
134	24.9	15.4	46.1	

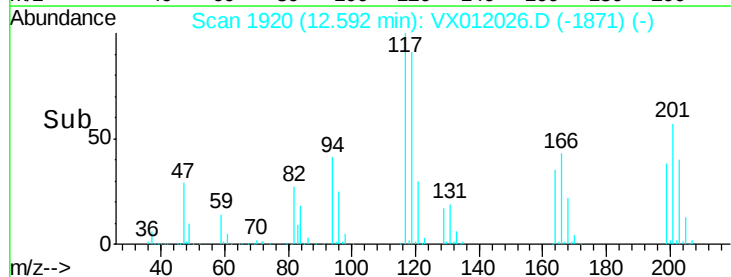
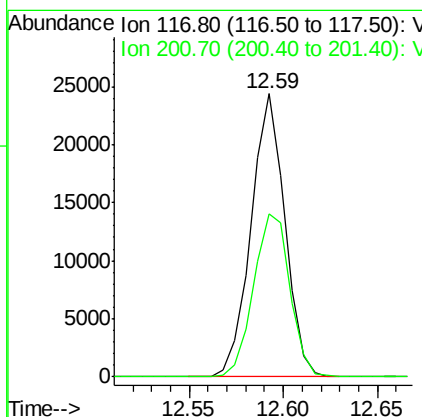
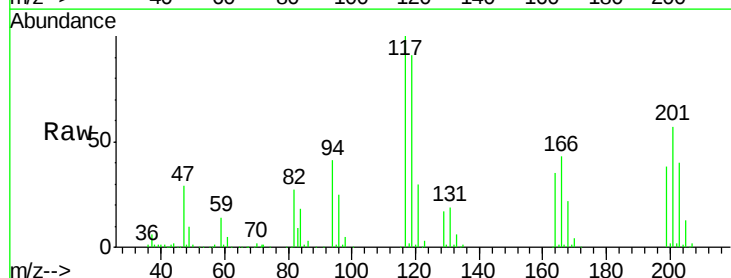
Manual Integrations
APPROVED

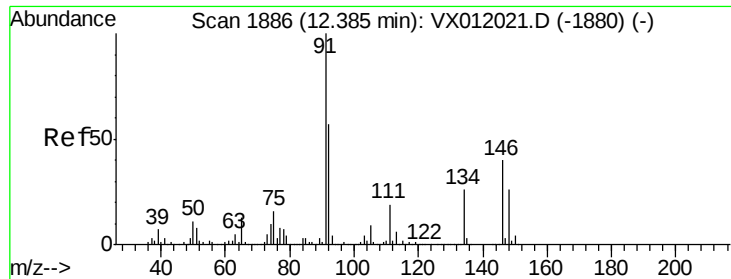
sam
9/4/2019 4:45:58 PM



#90
Hexachloroethane
Concen: 18.879 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012026.D
Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	61.7	55.0	165.2	





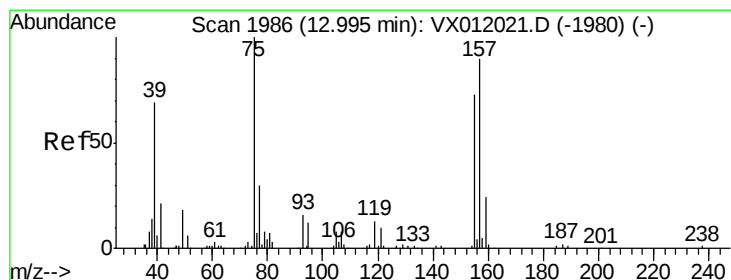
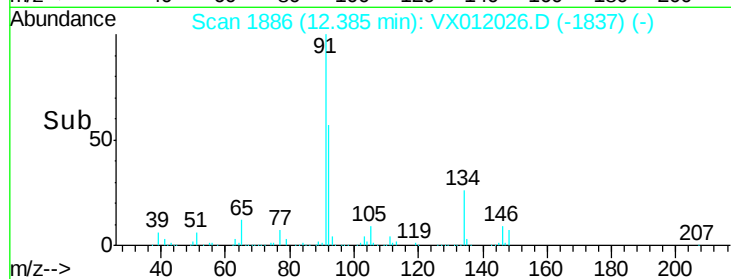
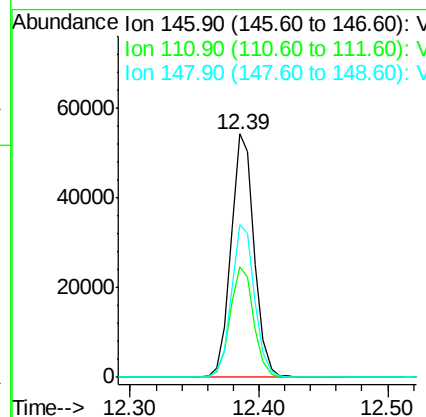
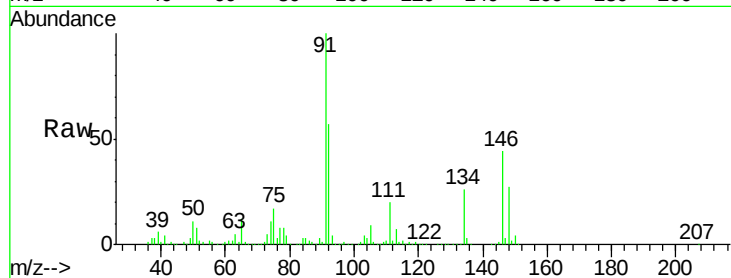
#91
 1,2-Dichlorobenzene
 Concen: 20.011 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	18.6	56.0
148	62.8	32.4	97.2

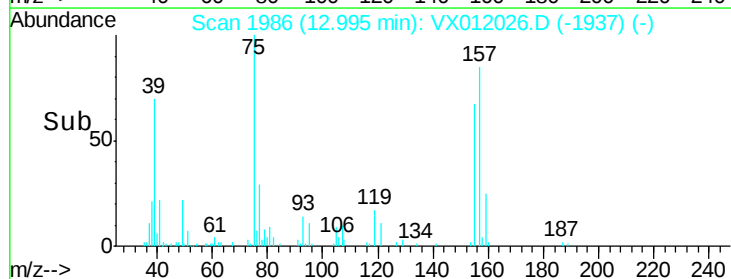
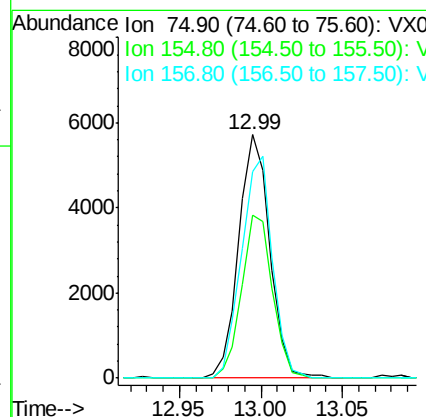
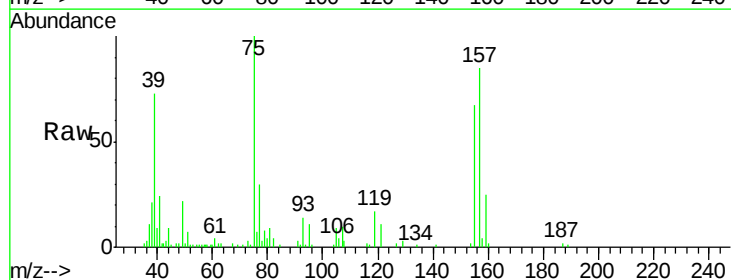
Manual Integrations
 APPROVED

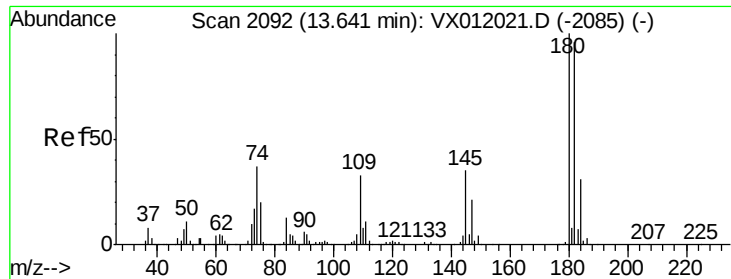
sam
 9/4/2019 4:45:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.535 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.3	51.7	155.2
157	90.5	66.9	200.7





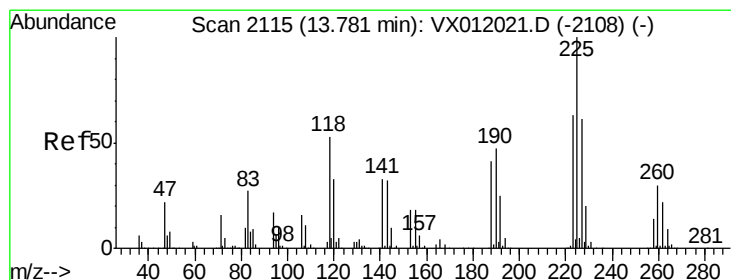
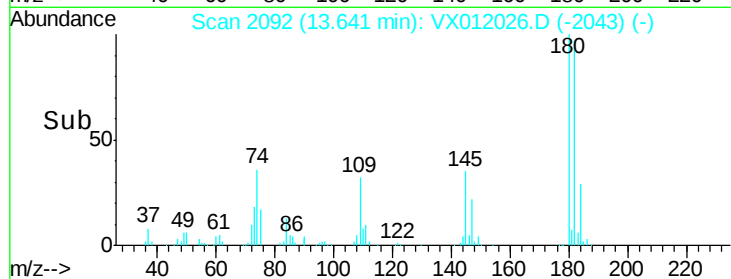
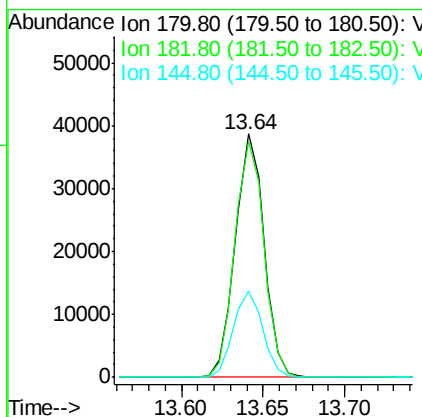
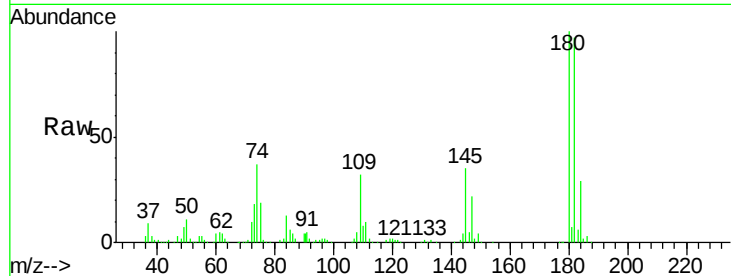
#93
 1,2,4-Trichlorobenzene
 Concen: 19.505 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	47669		
182	98.0		47.3	142.0
145	35.9		13.7	41.0

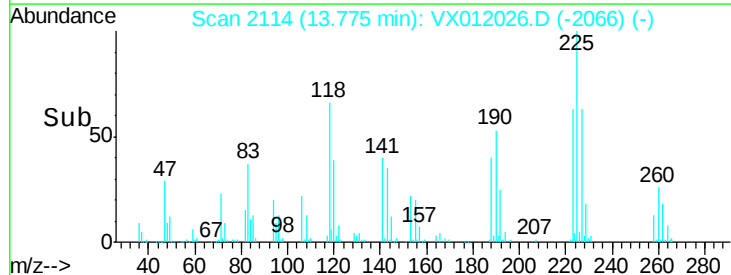
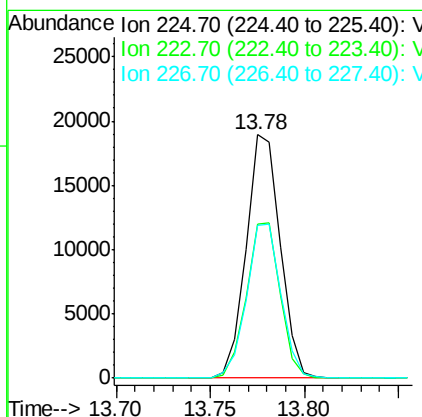
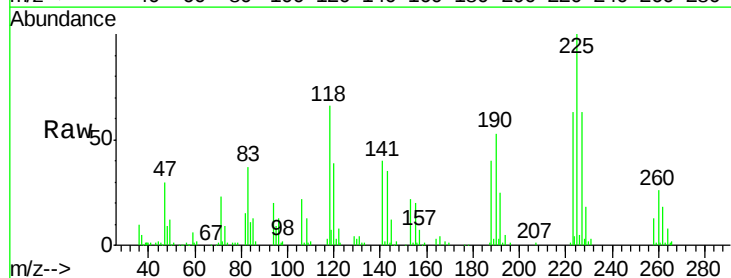
Manual Integrations
 APPROVED

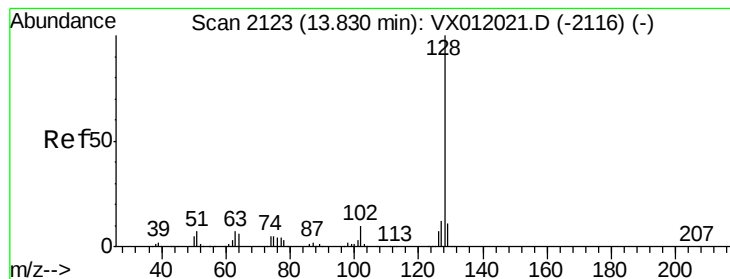
sam
 9/4/2019 4:45:58 PM



#94
 Hexachlorobutadiene
 Concen: 19.318 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012026.D
 Acq: 03 Sep 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23798		
223	63.1		31.6	95.0
227	63.5		32.5	97.5





#95

Naphthalene

Concen: 20.362 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Instrument :

MSVOA_X

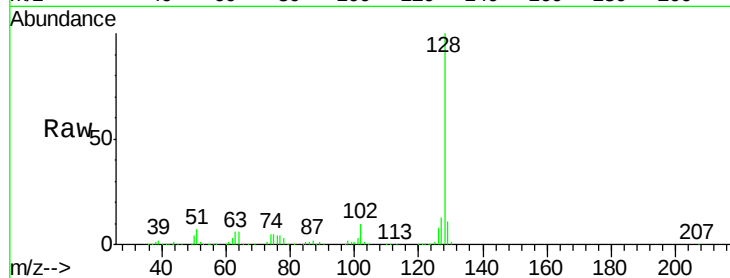
ClientSampleId :

VX0903SBS01

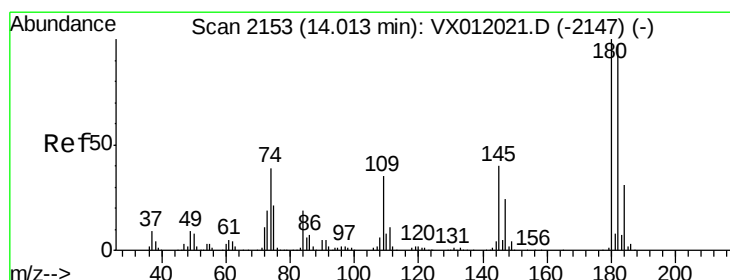
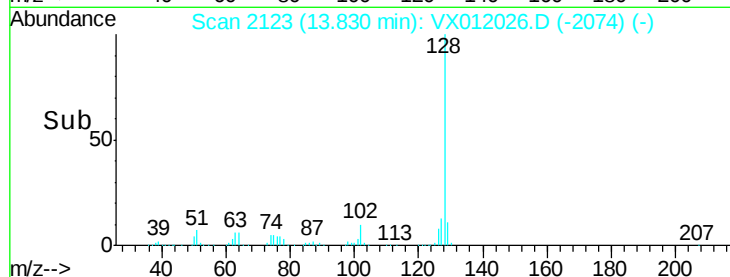
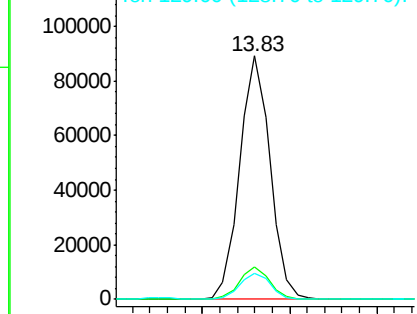
Tot Ion:	128	Resp:	107702
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

sam
9/4/2019 4:45:58 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.169 ug/l

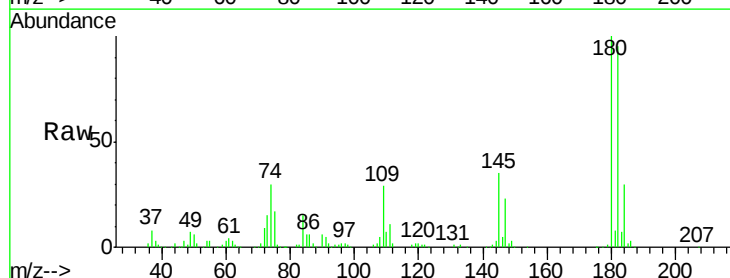
RT: 14.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VX012026.D

Acq: 03 Sep 2019 17:06

Tgt Ion:	180	Resp:	43365
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.9	143.6
145	36.8	14.1	42.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

