

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012488.D
 Acq On : 18 Sep 2019 20:51
 Operator : JC/SP
 Sample : K4830-13MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:06:00 PM

Quant Time: Sep 19 07:59:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	200533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	334953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	300705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	145600	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	131332	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	
35) Dibromofluoromethane	5.48	113	99699	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	8.71	98	354907	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	11.14	95	144875	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	59542	44.547	ug/l	98
3) Chloromethane	1.32	50	50895	46.164	ug/l	99
4) Vinyl Chloride	1.40	62	56661	47.551	ug/l	95
5) Bromomethane	1.63	94	20345	43.459	ug/l	99
6) Chloroethane	1.71	64	47604	51.052	ug/l	99
7) Trichlorofluoromethane	1.92	101	106525	48.768	ug/l	98
8) Diethyl Ether	2.18	74	45970	46.594	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74676	47.250	ug/l	98
10) Methyl Iodide	2.50	142	64001	47.440	ug/l	96
11) Tert butyl alcohol	3.03	59	140615	191.559	ug/l	100
12) 1,1-Dichloroethene	2.36	96	61403	48.703	ug/l	97
13) Acrolein	2.28	56	62550	247.838	ug/l	100
14) Allyl chloride	2.72	41	135408	46.132	ug/l	99
15) Acrylonitrile	3.13	53	297766	239.087	ug/l	97
16) Acetone	2.44	43	264472	199.794	ug/l	97
17) Carbon Disulfide	2.56	76	80753	45.460	ug/l	99
18) Methyl Acetate	2.76	43	133044	44.424	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	325841	47.401	ug/l #	84
20) Methylene Chloride	2.84	84	82191	47.253	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	63623	48.596	ug/l	92
22) Diisopropyl ether	3.84	45	322969	46.993	ug/l	98
23) Vinyl Acetate	3.80	43	1308076	231.376	ug/l	99
24) 1,1-Dichloroethane	3.69	63	158697	48.261	ug/l	98
25) 2-Butanone	4.66	43	422568	211.961	ug/l	100
26) 2,2-Dichloropropane	4.57	77	125686	38.864	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	93645	47.882	ug/l	96
28) Bromochloromethane	5.00	49	80101	47.250	ug/l	96
29) Tetrahydrofuran	5.12	42	259766	235.861	ug/l	100
30) Chloroform	5.20	83	173823	46.028	ug/l	99
31) Cyclohexane	5.57	56	189997	95.716	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	149076	47.230	ug/l	99
36) 1,1-Dichloropropene	5.79	75	96431	47.370	ug/l	98
37) Ethyl Acetate	4.82	43	148671	47.578	ug/l	98
38) Carbon Tetrachloride	5.78	117	119996	47.395	ug/l	98

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Quant Time: Sep 19 07:59:55 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	288471	145.769	ug/l	99
40) Benzene	6.14	78	316826	48.943	ug/l	98
41) Methacrylonitrile	5.03	41	90869	45.163	ug/l	98
42) 1,2-Dichloroethane	6.18	62	139306	46.398	ug/l	99
43) Isopropyl Acetate	6.43	43	260330	46.418	ug/l	99
44) Trichloroethene	7.20	130	83636	49.115	ug/l	97
45) 1,2-Dichloropropane	7.51	63	96643	48.594	ug/l	99
46) Dibromomethane	7.65	93	62299	48.407	ug/l	98
47) Bromodichloromethane	7.89	83	140873	49.160	ug/l	96
48) Methyl methacrylate	7.76	41	133435	50.472	ug/l	94
49) 1,4-Dioxane	7.73	88	49695	772.333	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	861261	234.169	ug/l	99
52) Toluene	8.78	92	207982	49.861	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	144644	48.558	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	149932	48.618	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	101730	47.338	ug/l	96
56) Ethyl methacrylate	9.17	69	180017	53.577	ug/l	96
57) 1,3-Dichloropropane	9.37	76	165450	48.253	ug/l	100
59) 2-Hexanone	9.49	43	639211	222.768	ug/l	97
60) Dibromochloromethane	9.58	129	110533	50.495	ug/l	99
61) 1,2-Dibromoethane	9.67	107	99432	50.661	ug/l	99
64) Tetrachloroethene	9.33	164	67214	48.778	ug/l	96
65) Chlorobenzene	10.14	112	240291	48.415	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	102931	49.971	ug/l	98
67) Ethyl Benzene	10.25	91	451076	52.900	ug/l	99
68) m/p-Xylenes	10.35	106	351634	113.338	ug/l	98
69) o-Xylene	10.70	106	165730	51.942	ug/l	99
70) Stvrene	10.71	104	287446	50.918	ug/l	99
71) Bromoform	10.85	173	79955	45.365	ug/l #	99
73) Isopropylbenzene	11.01	105	1130791	123.779	ug/l	99
74) N-amyl acetate	10.89	43	236072	47.998	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	174801	48.777	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	160152m	47.885	ug/l	
77) Bromobenzene	11.25	156	112511	50.499	ug/l	95
78) n-propylbenzene	11.35	91	1254546	123.213	ug/l	99
79) 2-Chlorotoluene	11.42	91	321955	48.605	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	385402	49.467	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	48944	40.784	ug/l	97
82) 4-Chlorotoluene	11.51	91	367322	48.317	ug/l	100
83) tert-Butylbenzene	11.76	119	422635	50.624	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	2136710	267.098	ug/l	98
85) sec-Butylbenzene	11.94	105	583382	63.415	ug/l	95
86) p-Isopropyltoluene	12.06	119	455350	53.904	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	209330	49.947	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	211608	49.153	ug/l	99
89) n-Butylbenzene	12.38	91	415864	55.175	ug/l	94
90) Hexachloroethane	12.59	117	96323	62.187	ug/l	89
91) 1,2-Dichlorobenzene	12.38	146	217439	49.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	49497	53.275	ug/l	94
93) 1,2,4-Trichlorobenzene	13.64	180	145286	51.493	ug/l	94

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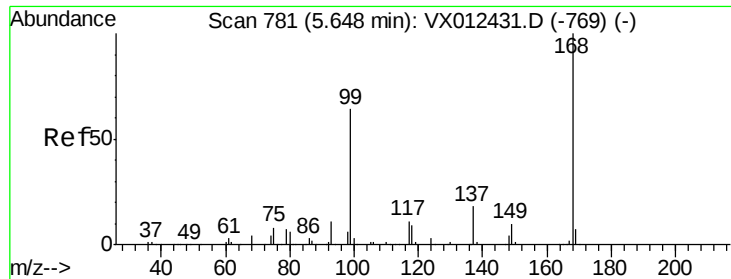
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	61913	46.558	ug/l	99
95) Naphthalene	13.83	128	953853	95.011	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	150603	52.380	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion:168 Resp: 200533

Ion Ratio Lower Upper

168 100

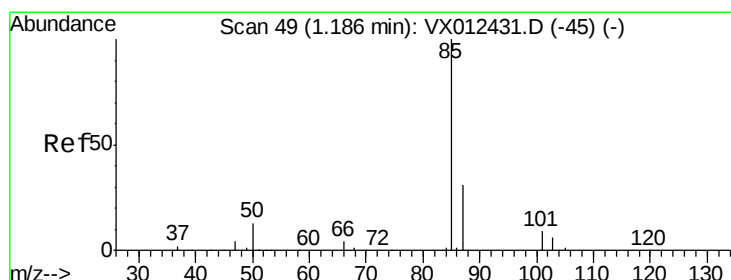
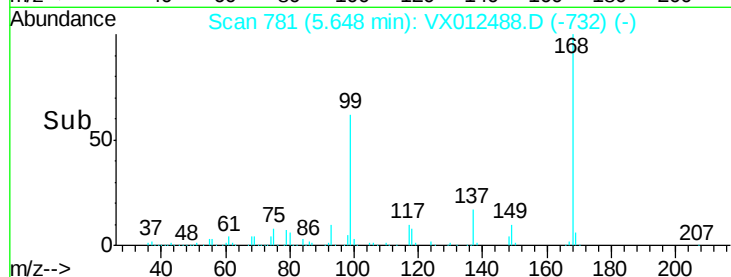
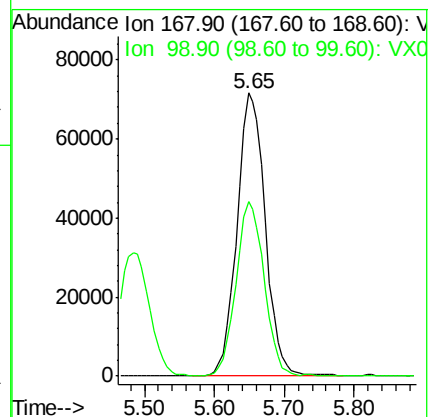
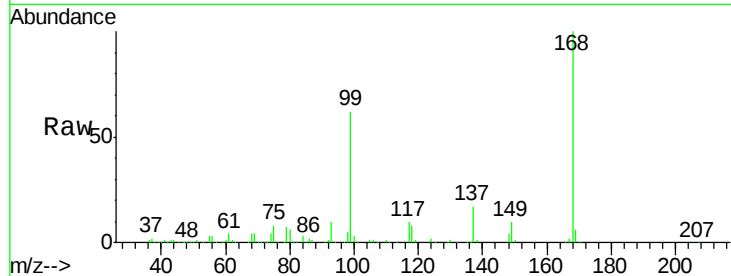
99 61.4 51.4 77.2

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#2

Dichlorodifluoromethane

Concen: 44.547 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012488.D

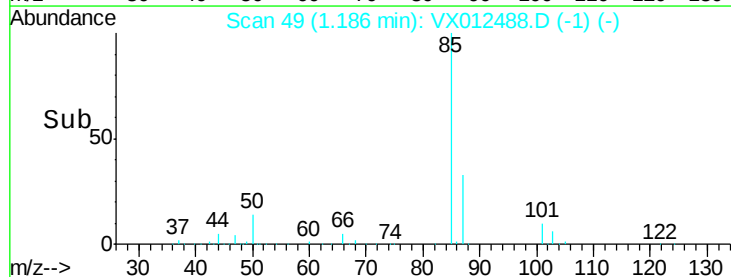
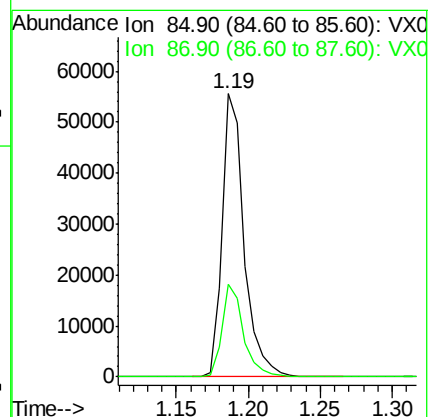
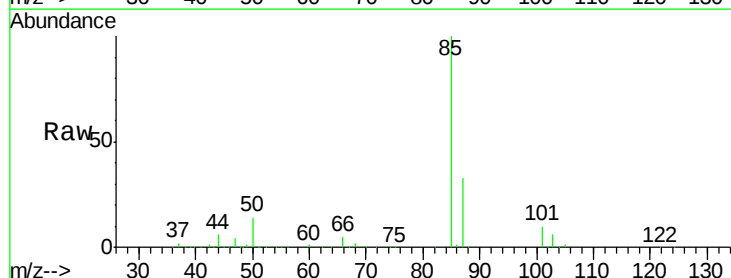
Acq: 18 Sep 2019 20:51

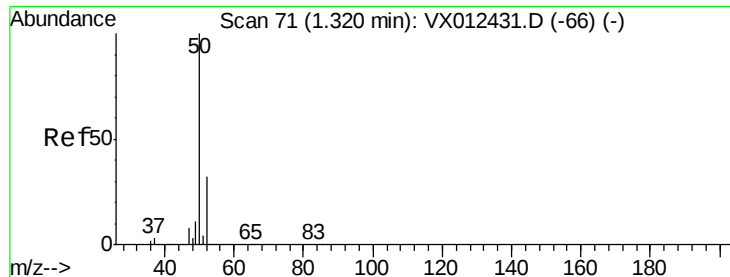
Tgt Ion: 85 Resp: 59542

Ion Ratio Lower Upper

85 100

87 32.6 15.6 46.8





#3

Chloromethane

Concen: 46.164 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 50 Resp: 50895

Ion Ratio Lower Upper

50 100

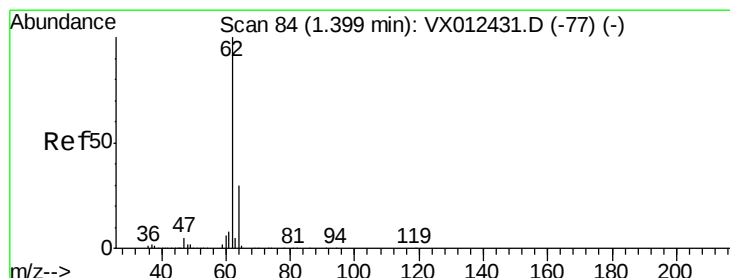
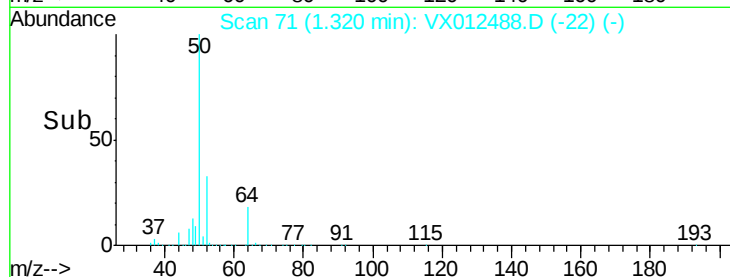
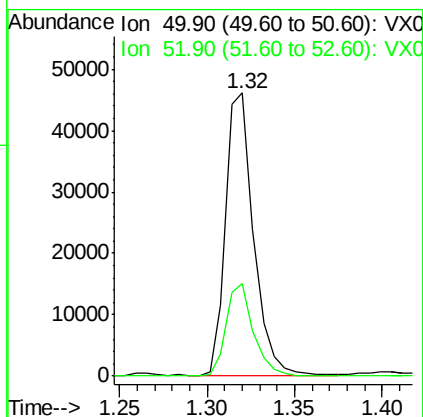
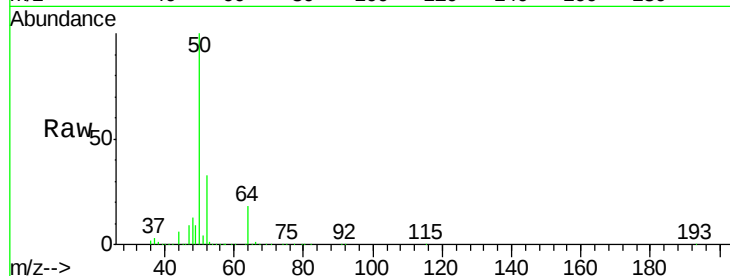
52 32.7 25.7 38.5

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#4

Vinyl Chloride

Concen: 47.551 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012488.D

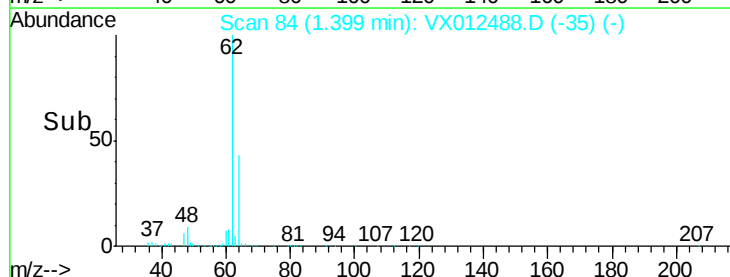
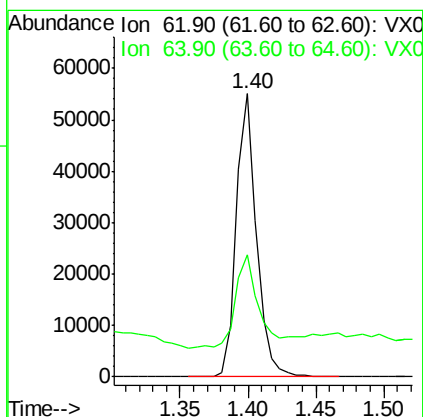
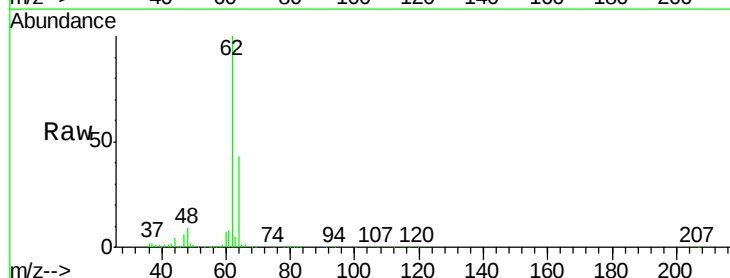
Acq: 18 Sep 2019 20:51

Tgt Ion: 62 Resp: 56661

Ion Ratio Lower Upper

62 100

64 32.9 24.2 36.2





#5

Bromomethane

Concen: 43.459 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 94 Resp: 20345

Ion Ratio Lower Upper

94 100

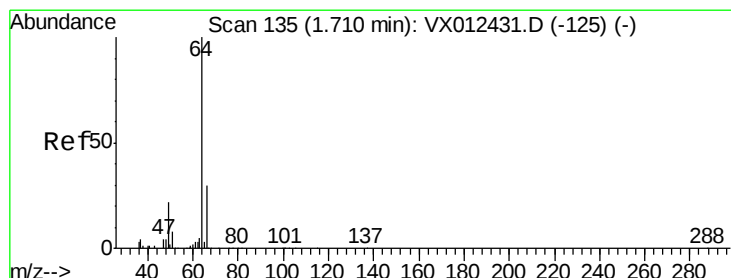
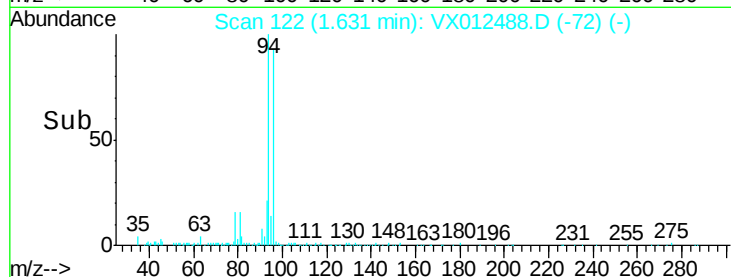
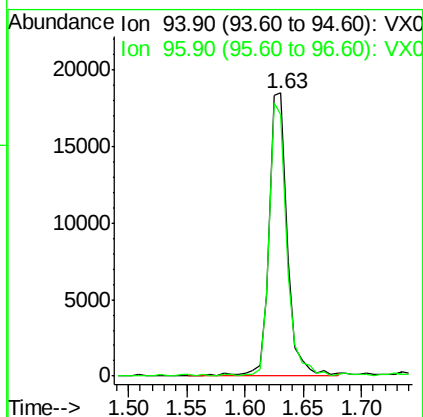
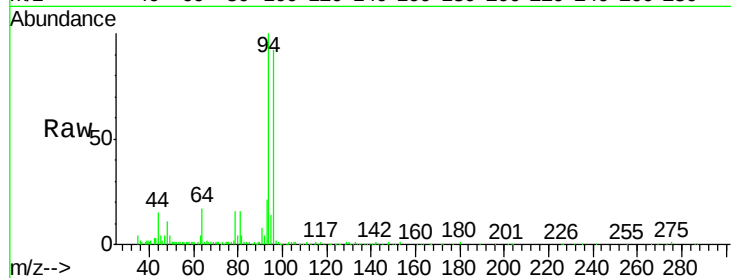
96 91.8 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 51.052 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012488.D

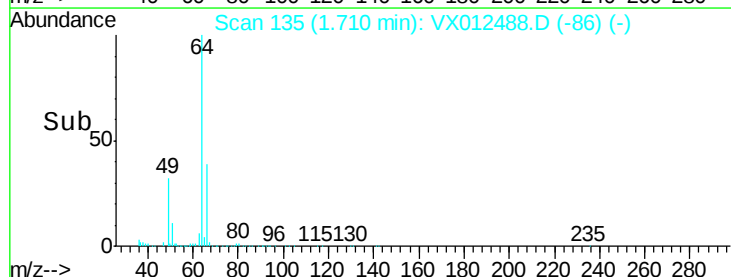
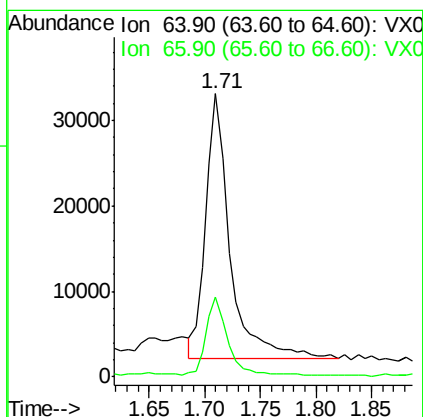
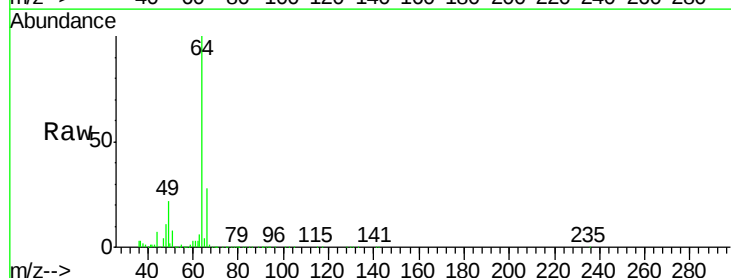
Acq: 18 Sep 2019 20:51

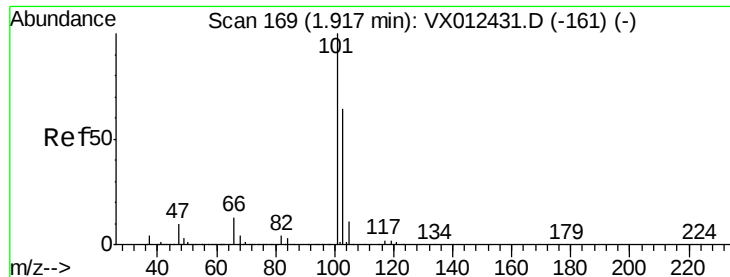
Tgt Ion: 64 Resp: 47604

Ion Ratio Lower Upper

64 100

66 29.4 24.0 36.0





#7

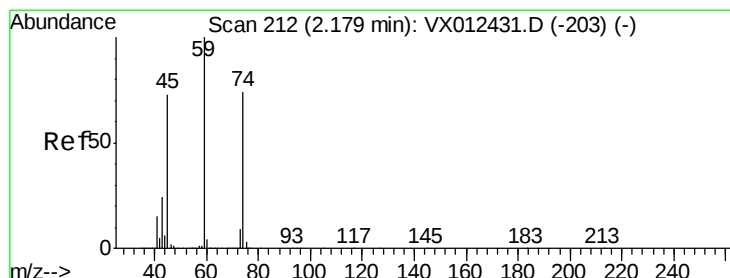
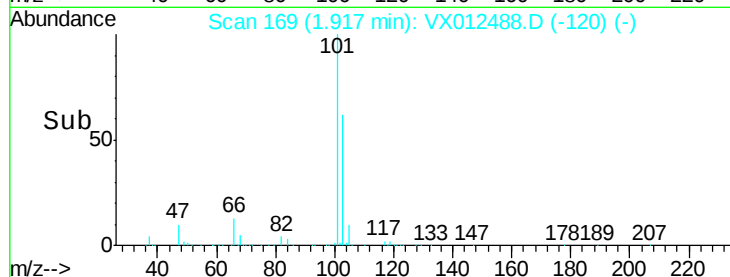
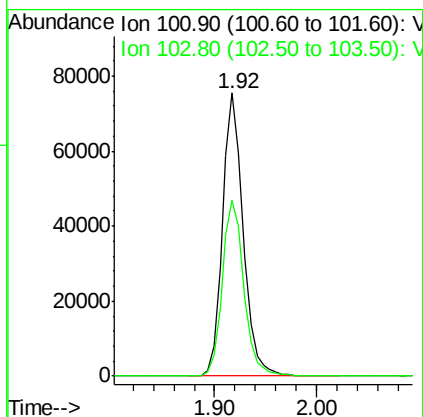
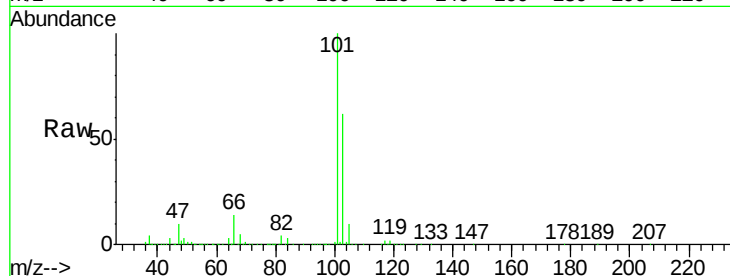
Trichlorofluoromethane
Concen: 48.768 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

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ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	106525		
103	62.0	51.0	76.4	

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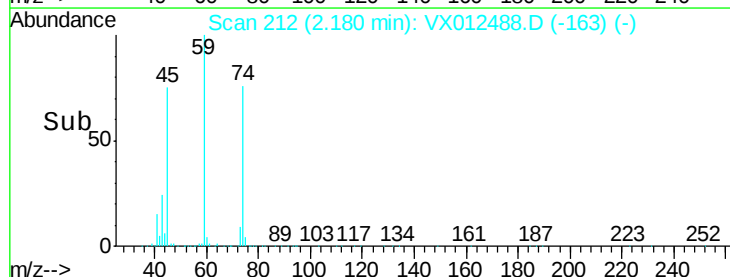
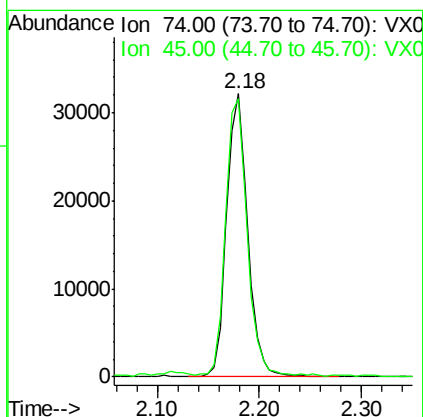
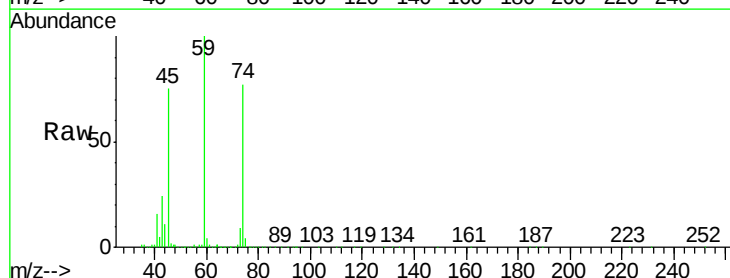
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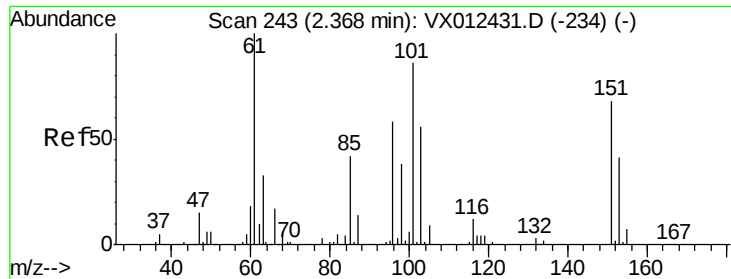


#8

Diethyl Ether
Concen: 46.594 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	45970		
45	97.7	49.9	149.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.250 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

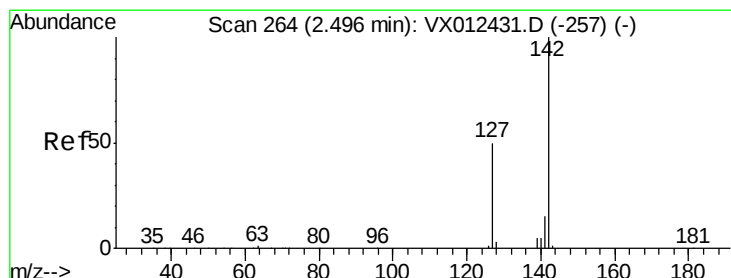
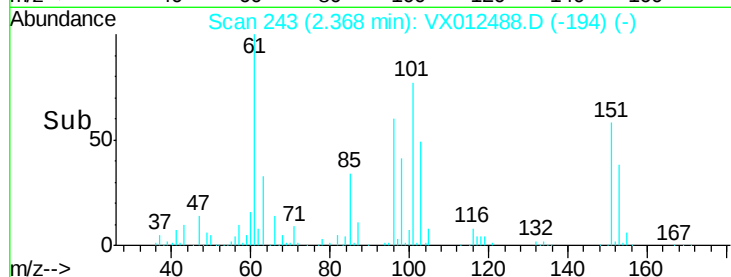
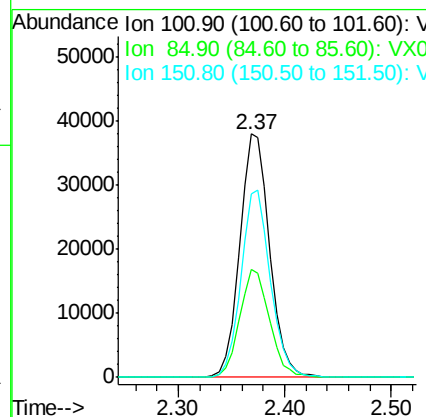
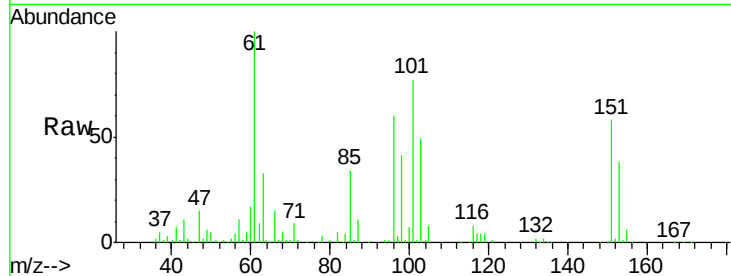
ClientSampleId :

S13-0282MSD

Tot Ion:	101	Resp:	74676
Ion Ratio	Lower	Upper	
101	100		
85	44.3	37.3	55.9
151	75.8	61.0	91.4

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#10

Methyl Iodide

Concen: 47.440 ug/l

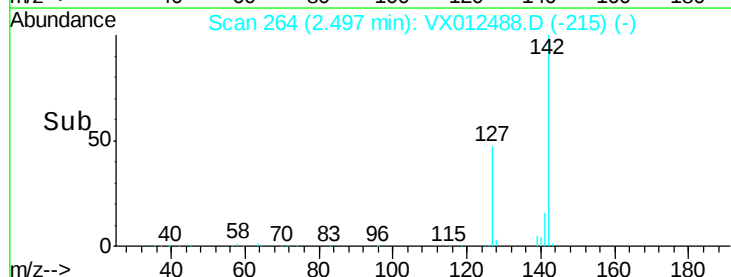
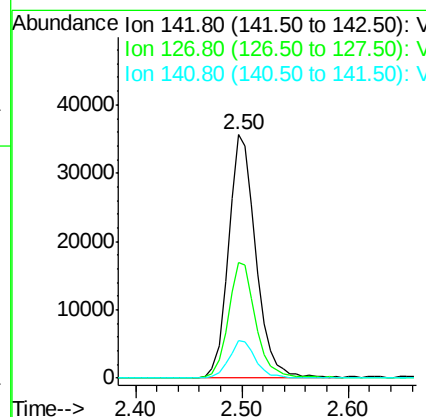
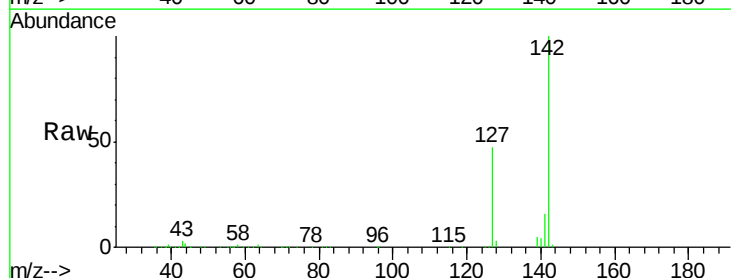
RT: 2.50 min Scan# 264

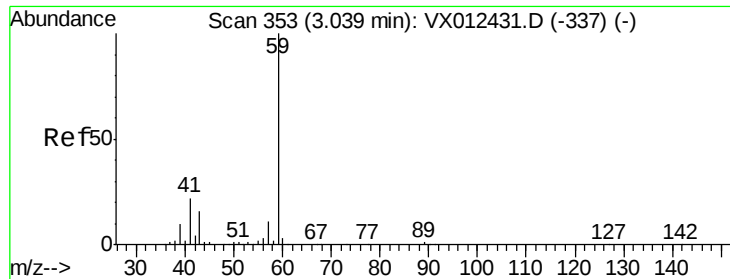
Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Tgt Ion:	142	Resp:	64001
Ion Ratio	Lower	Upper	
142	100		
127	47.5	40.8	61.2
141	14.9	12.1	18.1





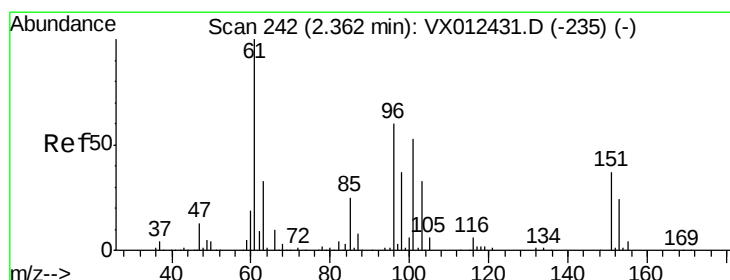
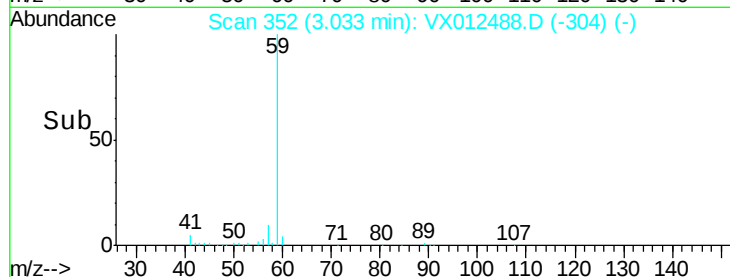
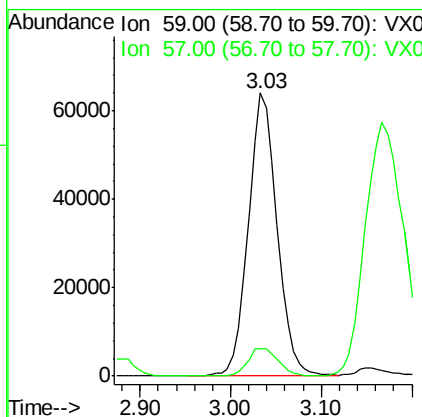
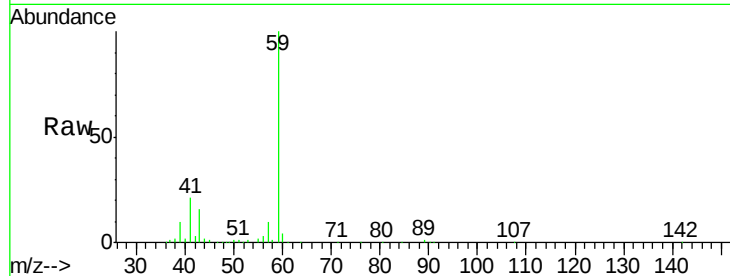
#11
Tert butyl alcohol
Concen: 191.559 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion: 59 Resp: 140615
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

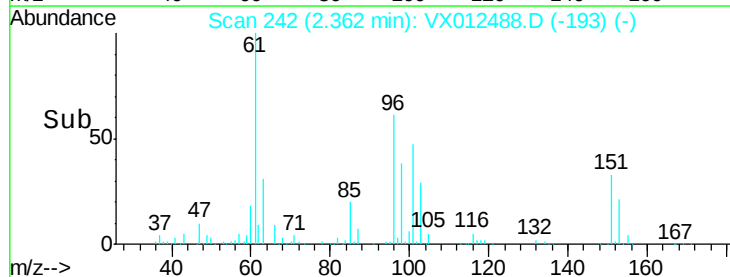
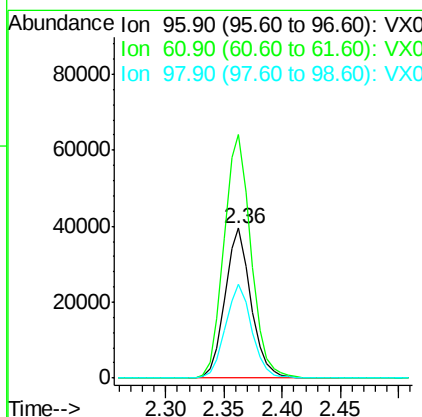
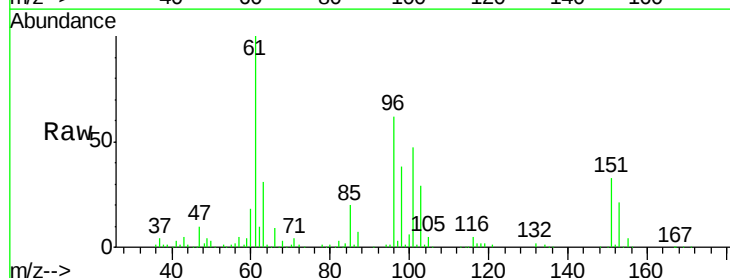
Manual Integrations
APPROVED

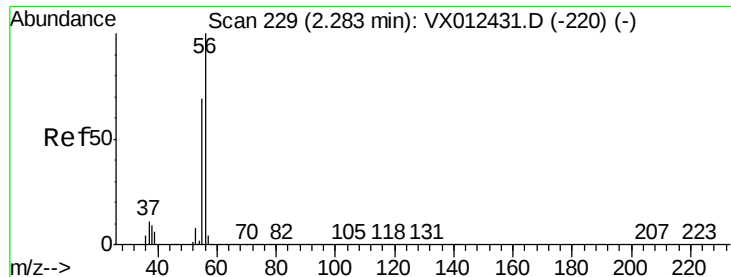
MMDadoda
9/19/2019 1:06:00 PM



#12
1,1-Dichloroethene
Concen: 48.703 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion: 96 Resp: 61403
Ion Ratio Lower Upper
96 100
61 162.3 133.8 200.6
98 62.1 49.9 74.9





#13

Acrolein

Concen: 247.838 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 56 Resp: 62550

Ion Ratio Lower Upper

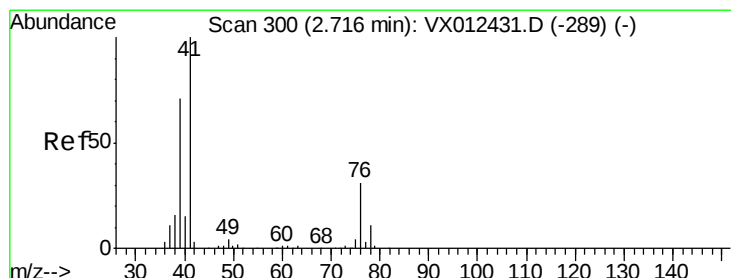
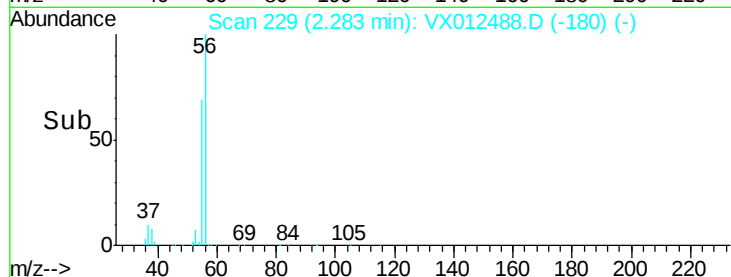
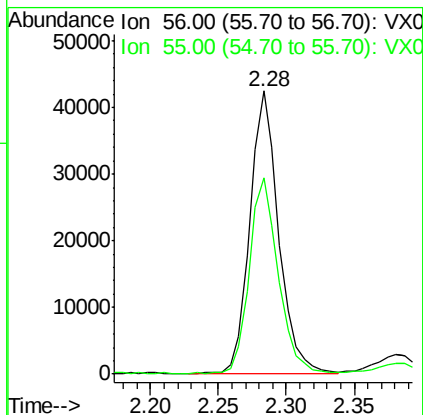
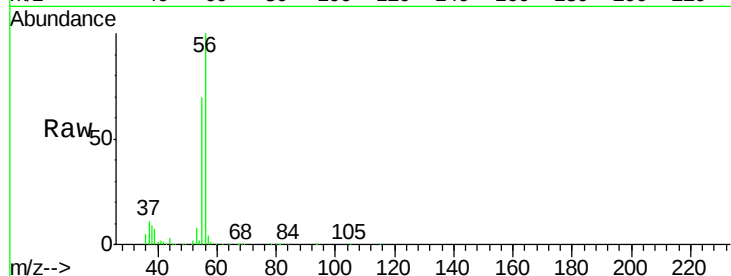
56 100

55 70.1 55.8 83.8

Manual Integrations
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#14

Allyl chloride

Concen: 46.132 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

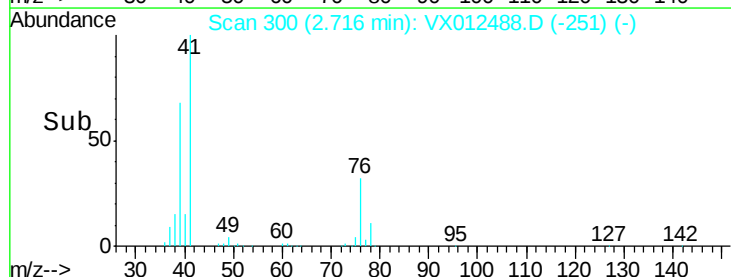
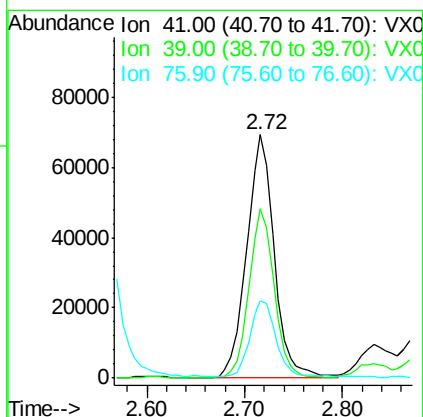
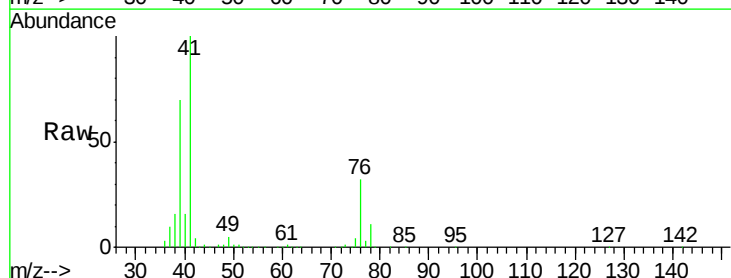
Tgt Ion: 41 Resp: 135408

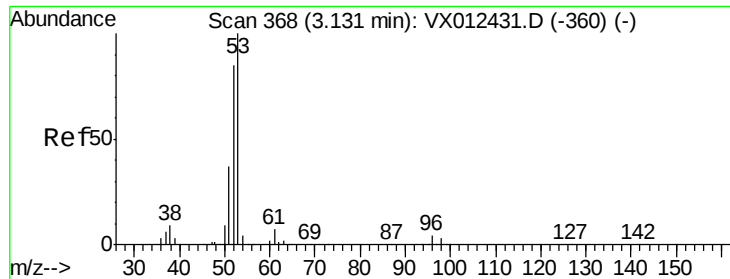
Ion Ratio Lower Upper

41 100

39 63.6 51.3 76.9

76 29.8 22.6 33.8





#15

Acrylonitrile

Concen: 239.087 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

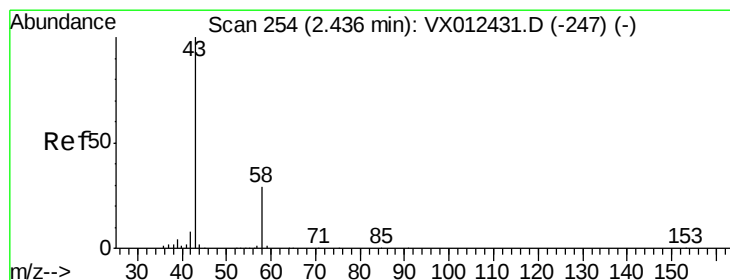
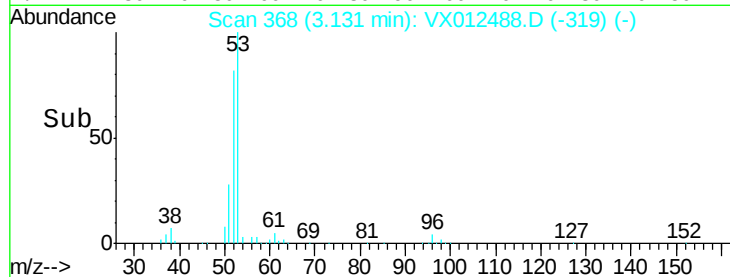
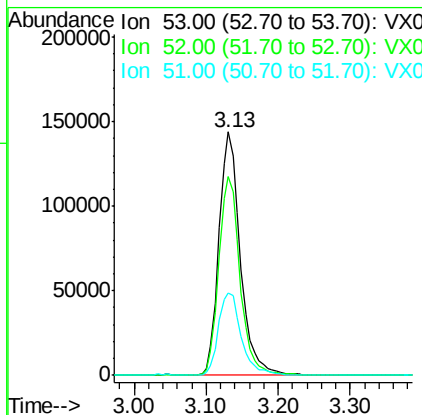
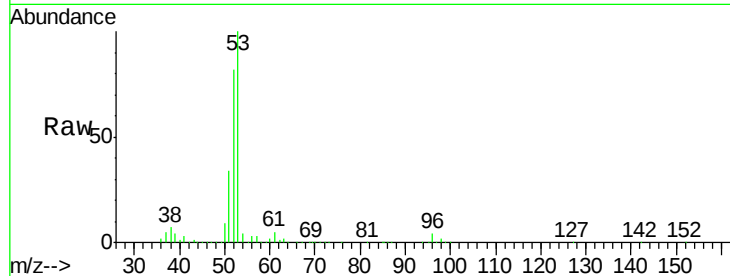
ClientSampleId :

S13-0282MSD

Tot Ion:	53	Resp:	297766
Ion Ratio		Lower	Upper
53	100		
52	80.9	67.0	100.4
51	36.2	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 199.794 ug/l

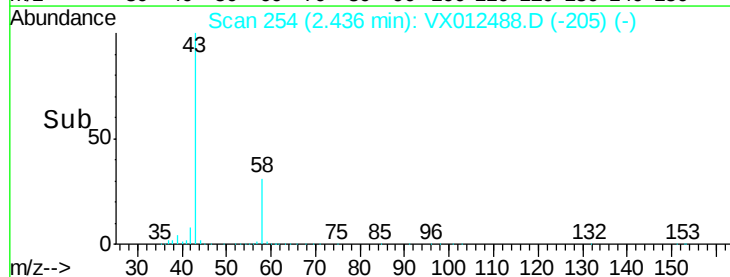
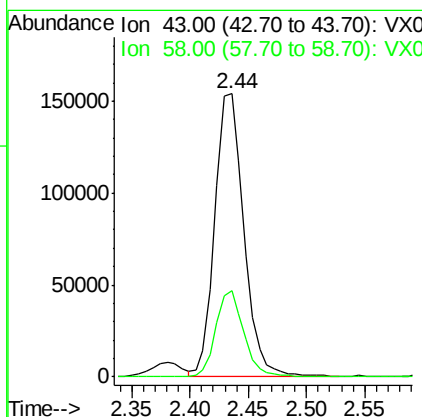
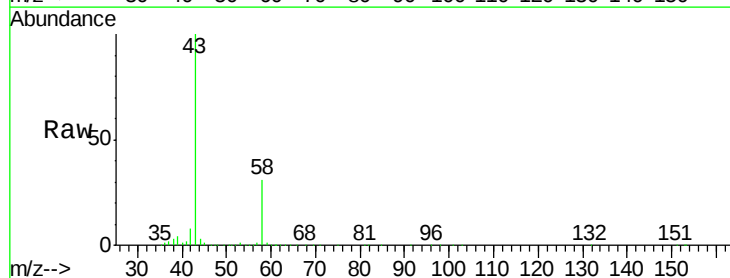
RT: 2.44 min Scan# 254

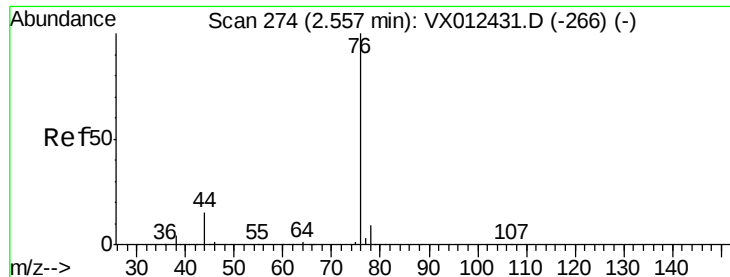
Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Tgt Ion:	43	Resp:	264472
Ion Ratio		Lower	Upper
43	100		
58	30.5	23.3	34.9





#17

Carbon Disulfide

Concen: 45.460 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 76 Resp: 80753

Ion Ratio Lower Upper

76 100

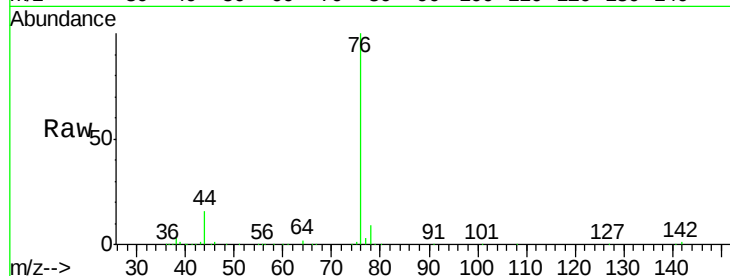
78 8.8 7.3 10.9

Manual Integrations

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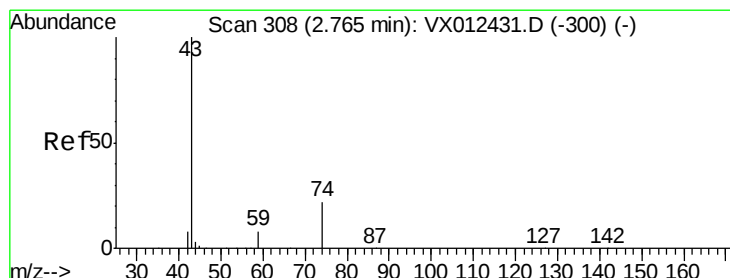
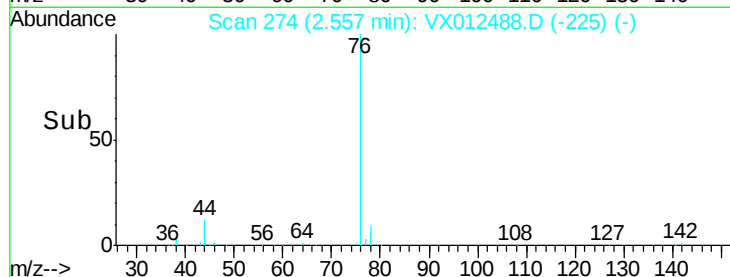
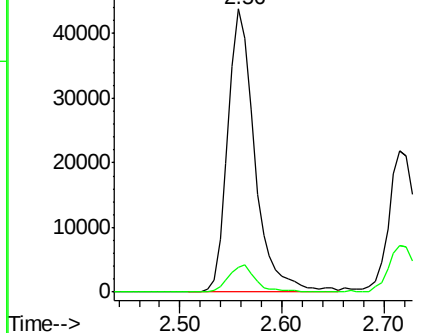
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 44.424 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012488.D

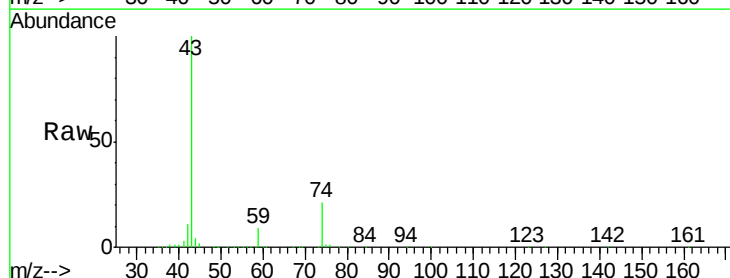
Acq: 18 Sep 2019 20:51

Tgt Ion: 43 Resp: 133044

Ion Ratio Lower Upper

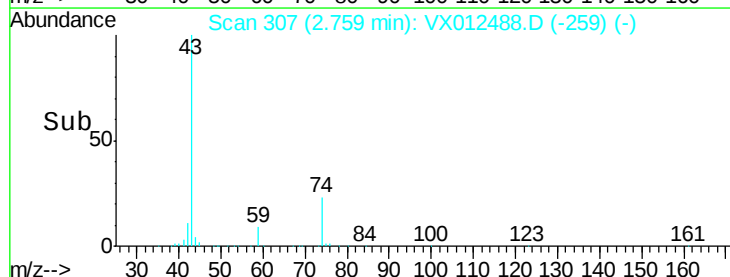
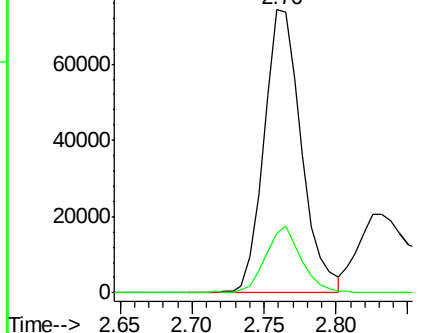
43 100

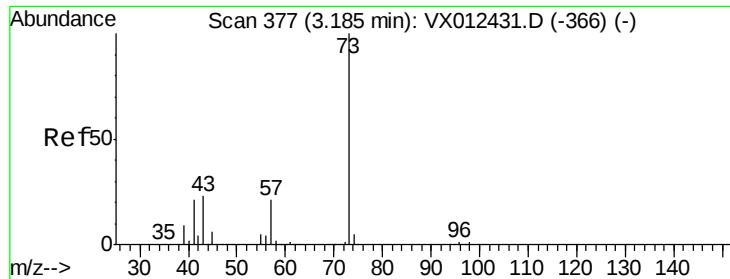
74 23.0 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





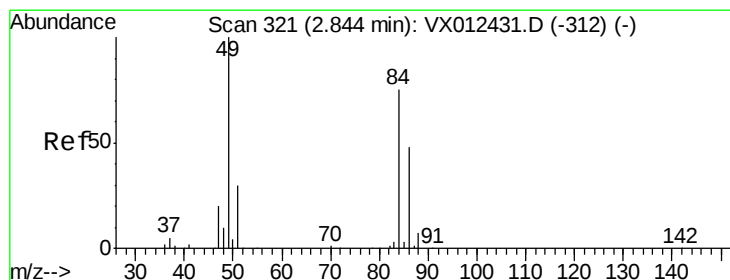
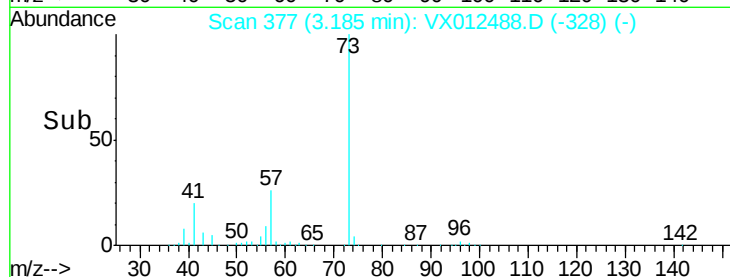
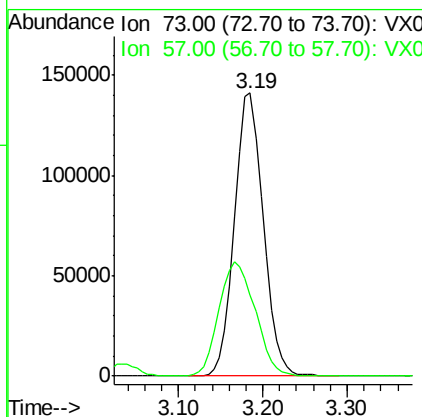
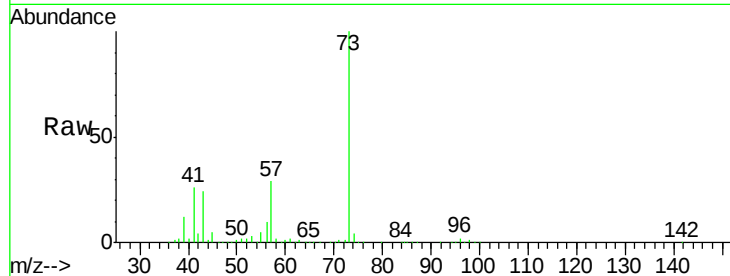
#19
Methvl tert-butvl Ether
Concen: 47.401 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	28.5	16.8	25.2#

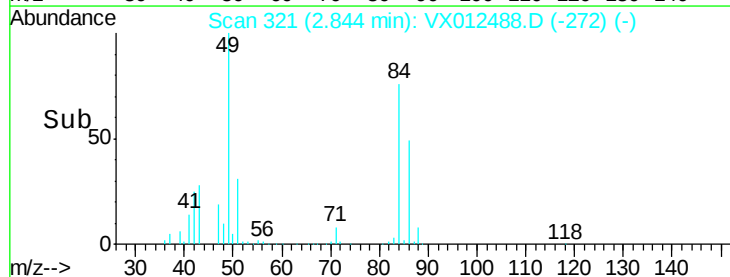
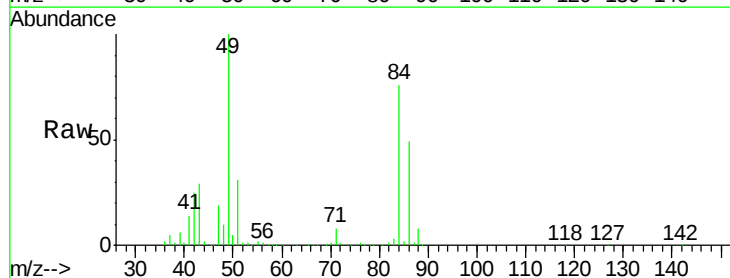
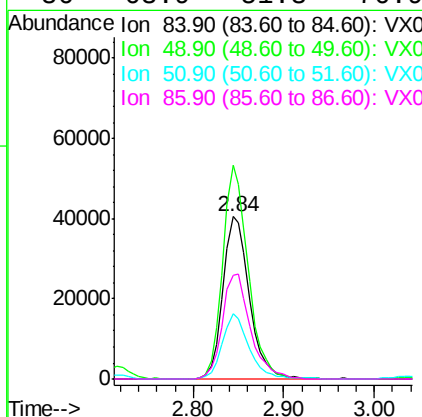
Manual Integrations
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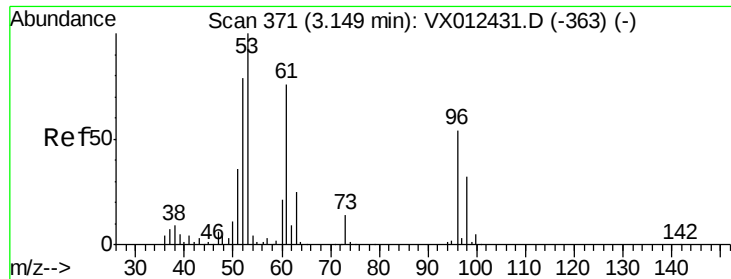
MMDadoda
9/19/2019 1:06:00 PM



#20
Methylene Chloride
Concen: 47.253 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.8	106.8	160.2
51	40.3	32.3	48.5
86	63.9	51.3	76.9





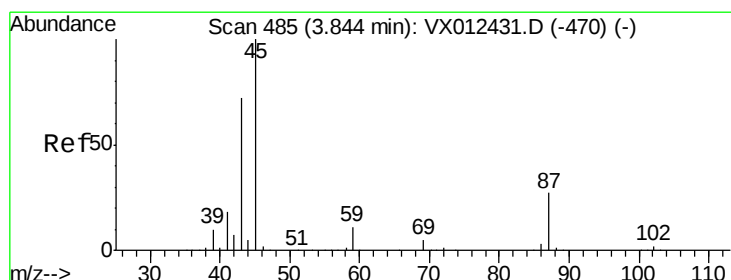
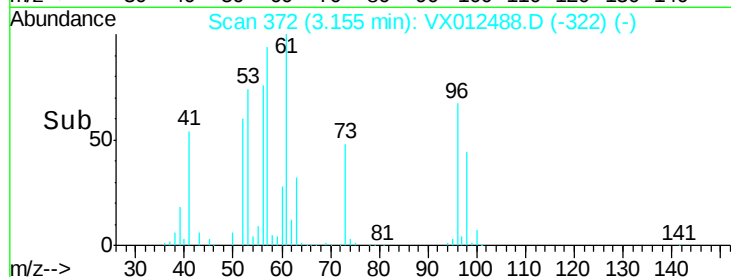
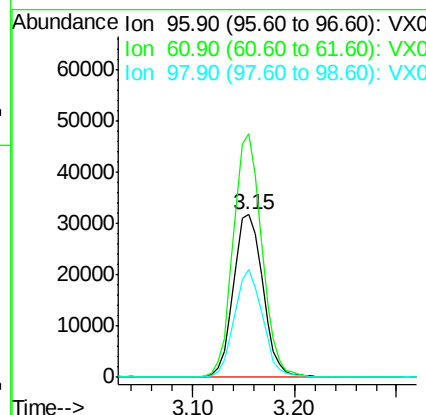
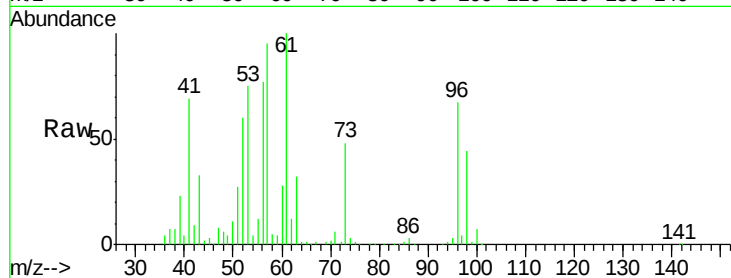
#21
trans-1,2-Dichloroethene
Concen: 48.596 ug/l
RT: 3.15 min Scan# 372
Delta R.T. 0.01 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	112.0	168.0
98	66.5	47.8	71.8

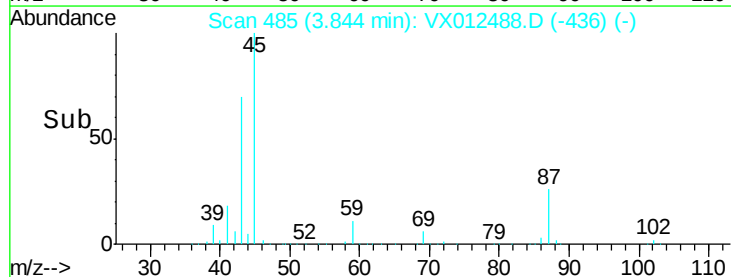
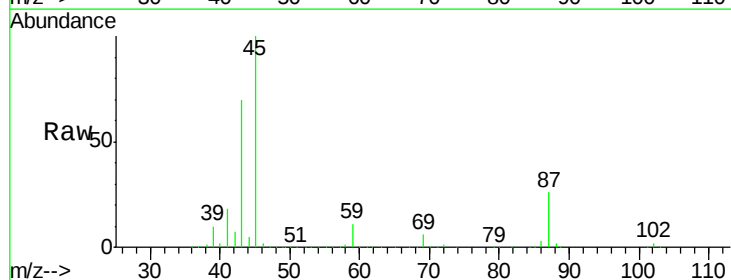
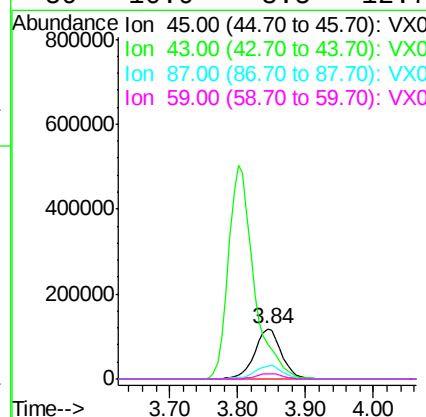
Manual Integrations
APPROVED

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9/19/2019 1:06:00 PM



#22
Diisopropyl ether
Concen: 46.993 ug/l
RT: 3.84 min Scan# 485
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.1	57.8	86.8
87	26.4	21.3	31.9
59	10.9	8.5	12.7





#23

Vinyl Acetate

Concen: 231.376 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 43 Resp: 1308076

Ion Ratio Lower Upper

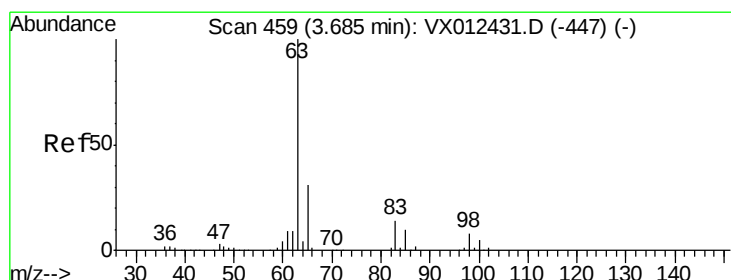
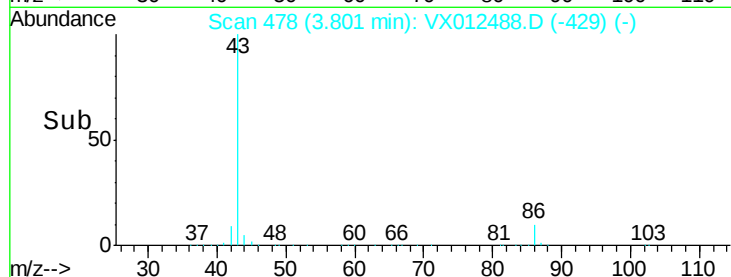
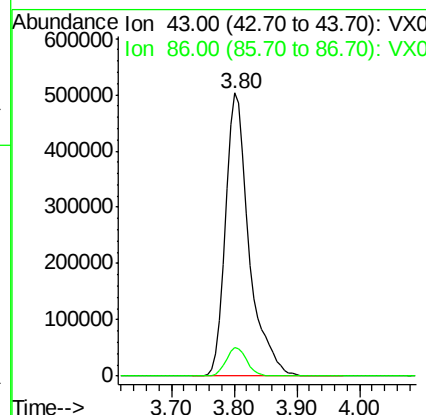
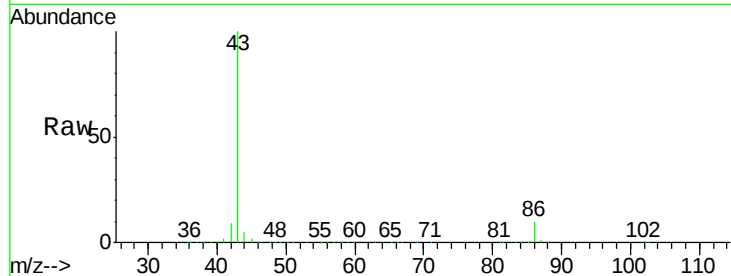
43 100

86 10.3 7.8 11.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 48.261 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

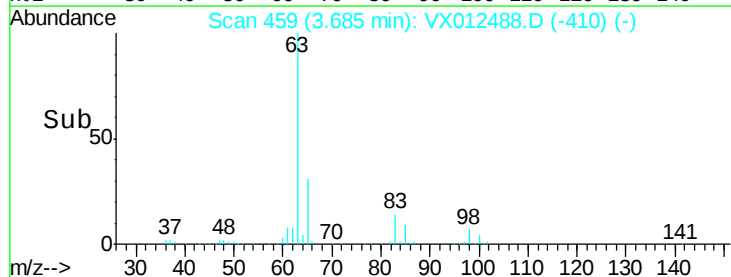
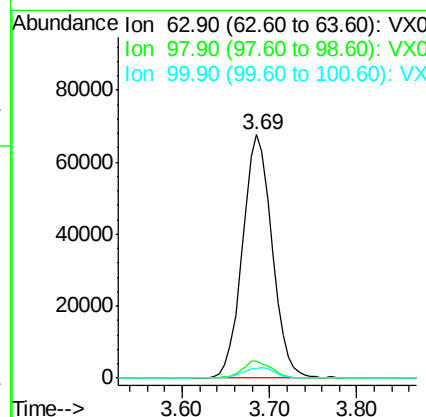
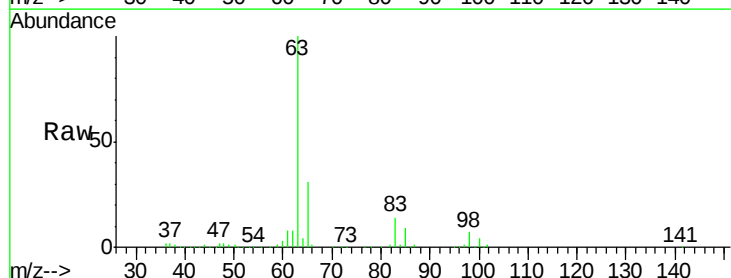
Tgt Ion: 63 Resp: 158697

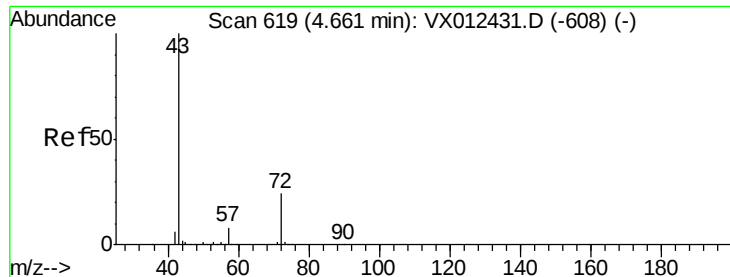
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.7

100 4.0 2.3 6.9





#25

2-Butanone

Concen: 211.961 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 43 Resp: 422568

Ion Ratio Lower Upper

43 100

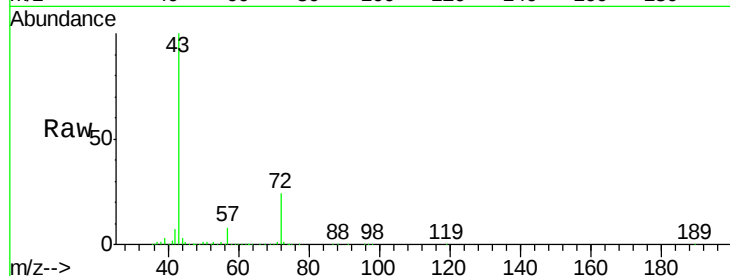
72 23.8 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.66

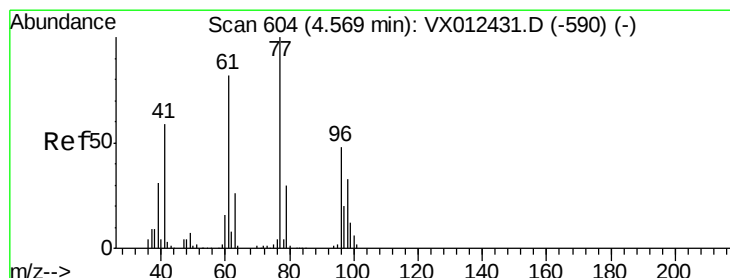
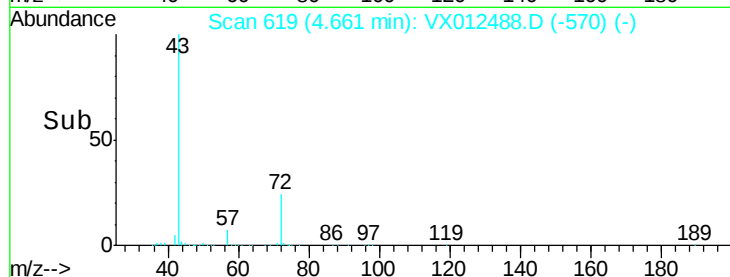
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 38.864 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012488.D

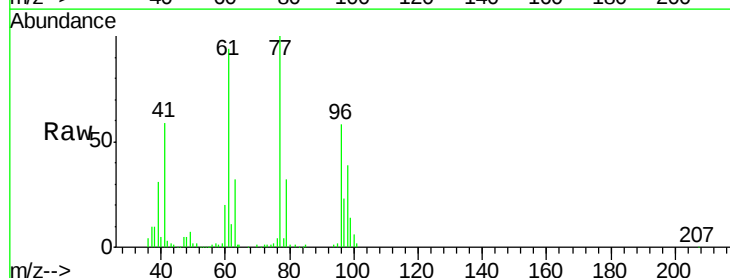
Acq: 18 Sep 2019 20:51

Tgt Ion: 77 Resp: 125686

Ion Ratio Lower Upper

77 100

97 22.2 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

40000

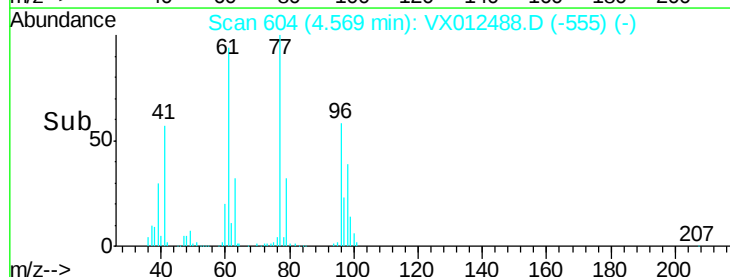
30000

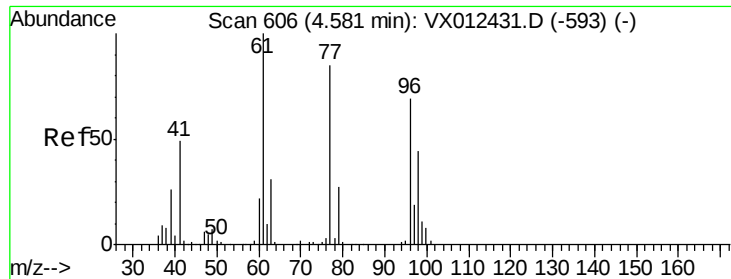
20000

10000

0

Time-->





#27

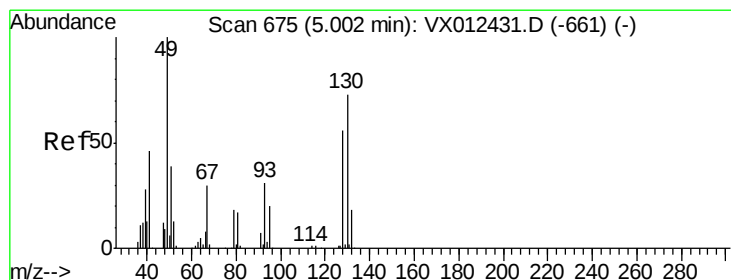
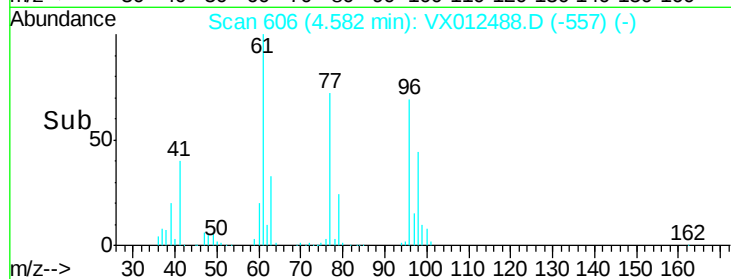
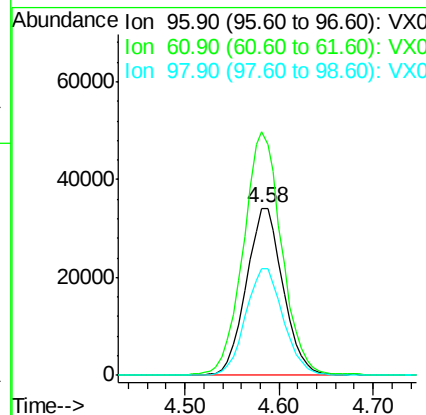
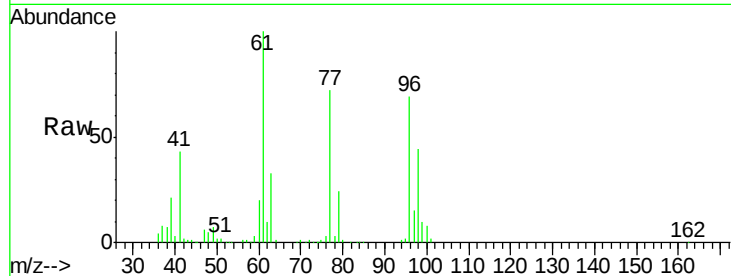
cis-1,2-Dichloroethene
Concen: 47.882 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.8	0.0	319.4	
98	65.8	0.0	130.6	

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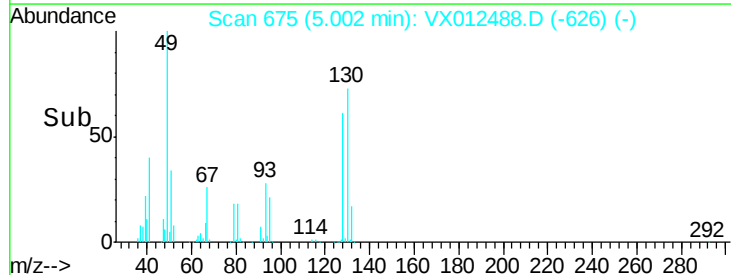
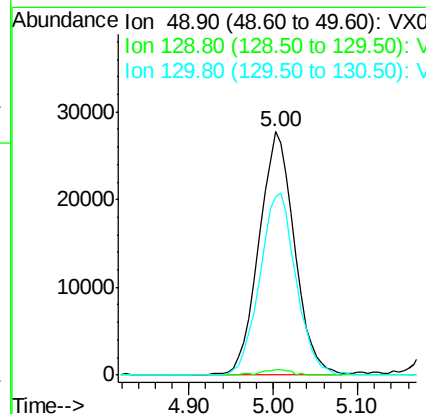
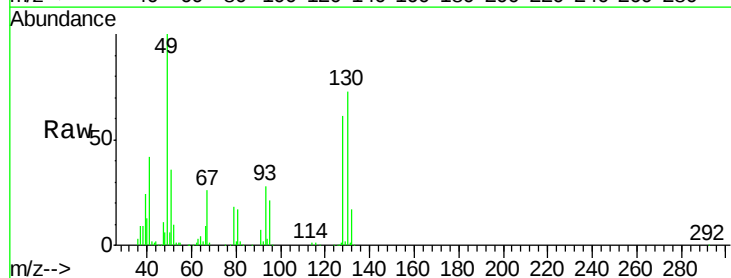
MMDadoda
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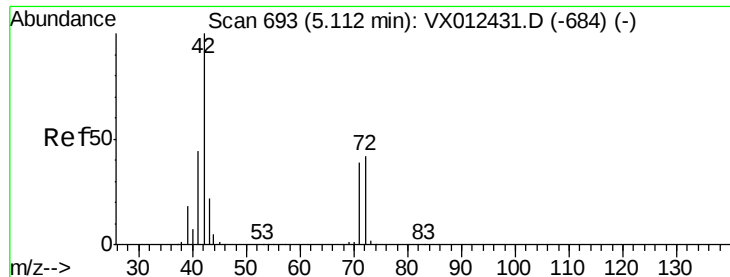


#28

Bromochloromethane
Concen: 47.250 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.8	
130	76.3	58.2	87.4	





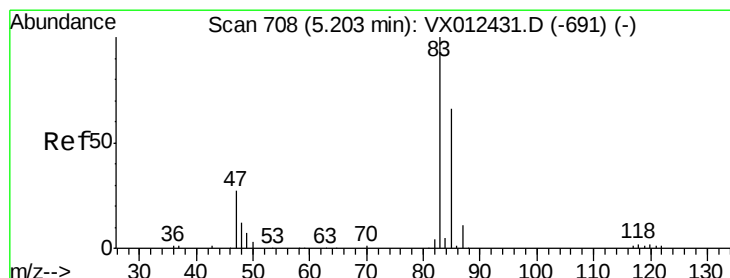
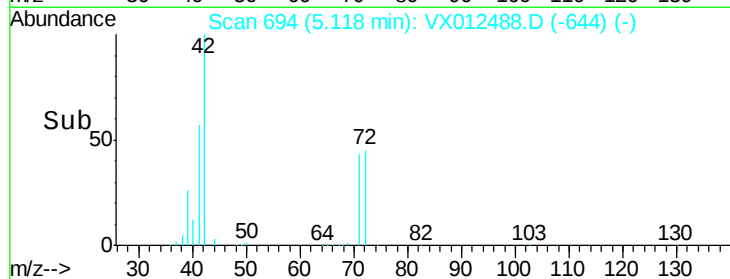
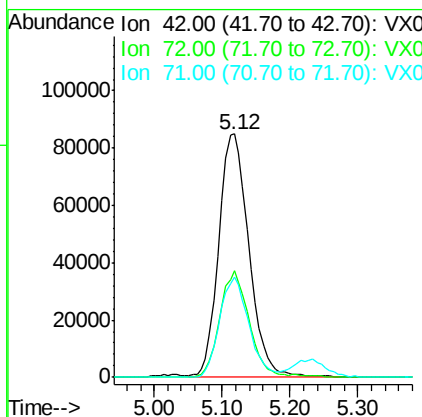
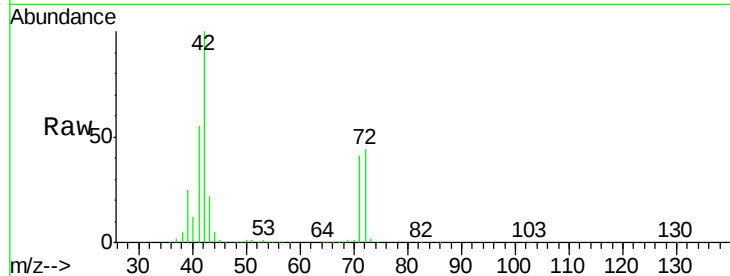
#29
Tetrahydrofuran
Concen: 235.861 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.0	51.0
71	40.0	31.5	47.3

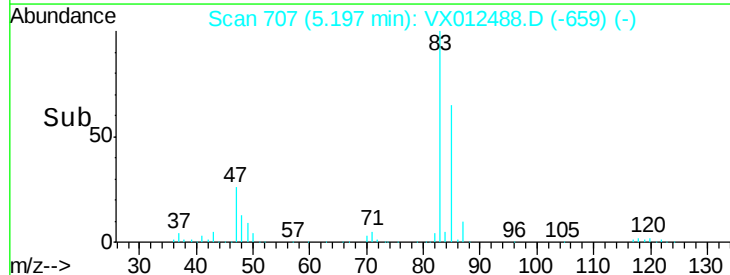
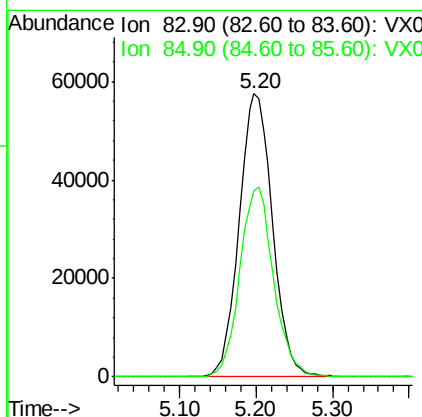
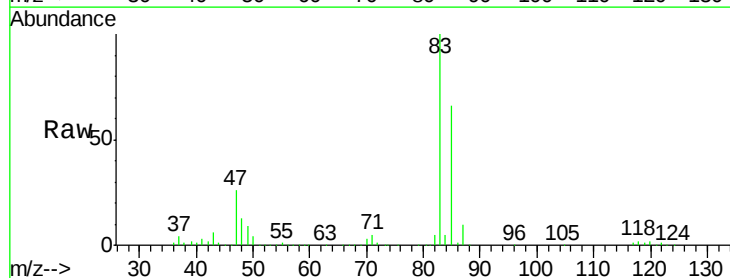
Manual Integrations
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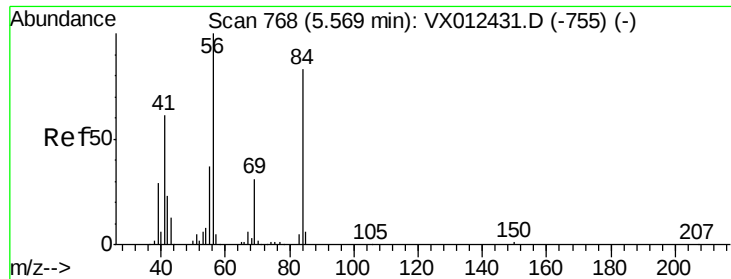
MMDadoda
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#30
Chloroform
Concen: 46.028 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.0	79.4





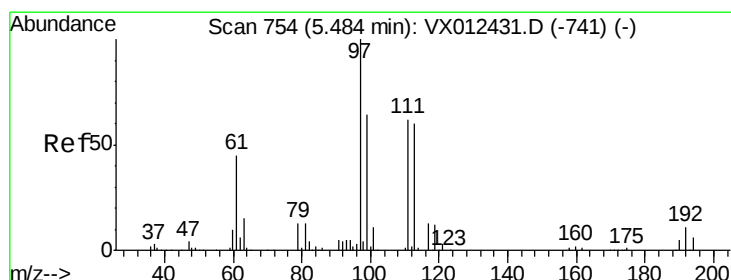
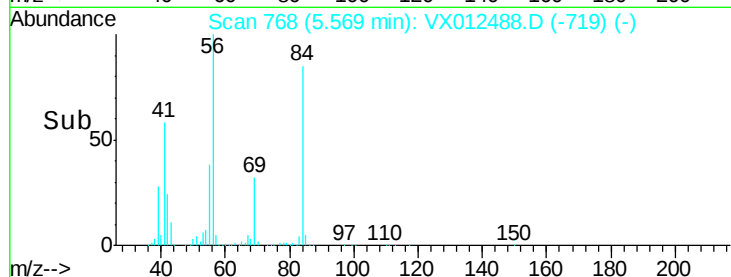
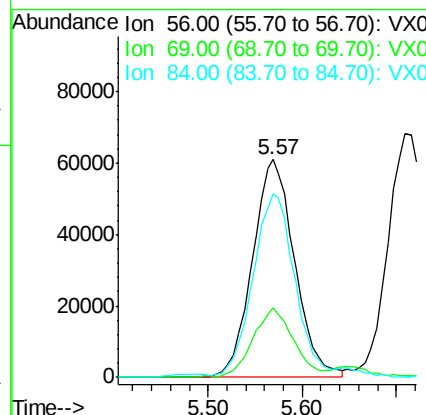
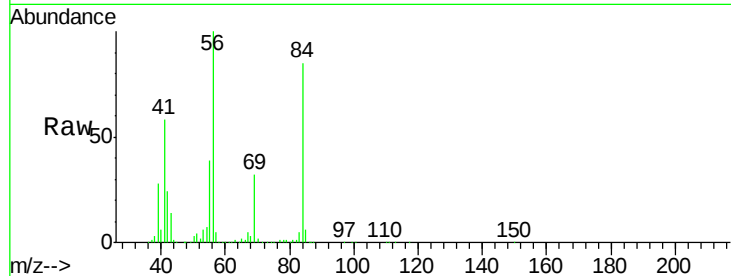
#31
Cyclohexane
Concen: 95.716 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.0	37.6
84	83.2	66.4	99.6

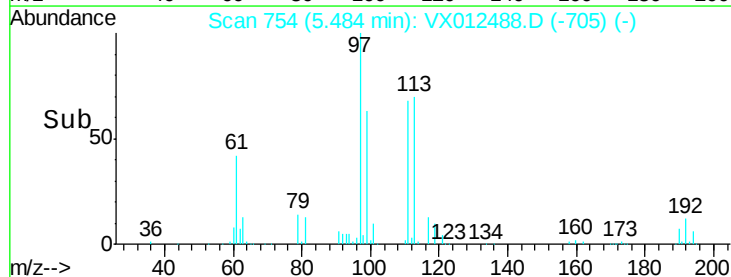
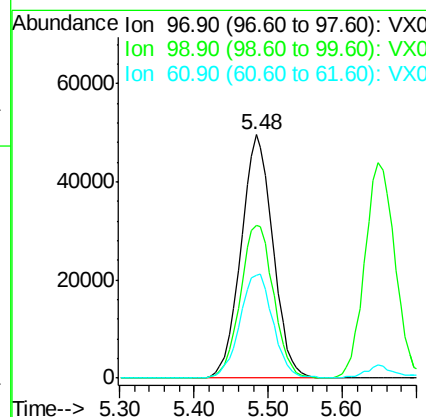
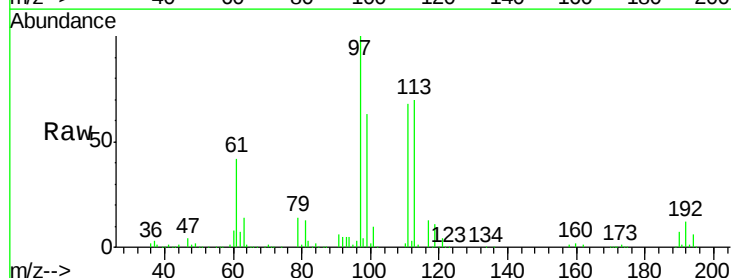
Manual Integrations
APPROVED

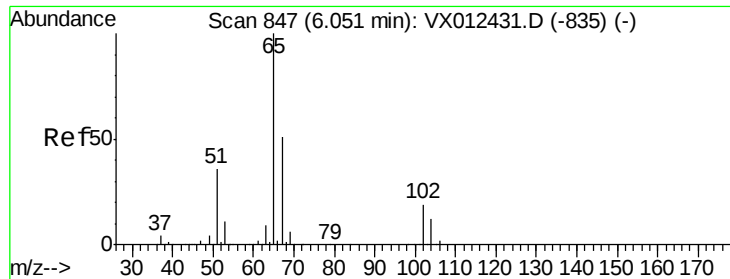
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#32
1,1,1-Trichloroethane
Concen: 47.230 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.3	76.9
61	44.4	36.1	54.1





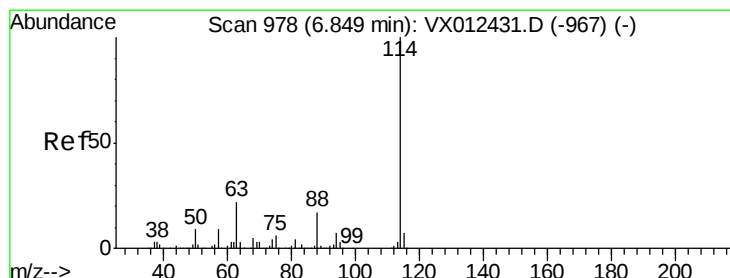
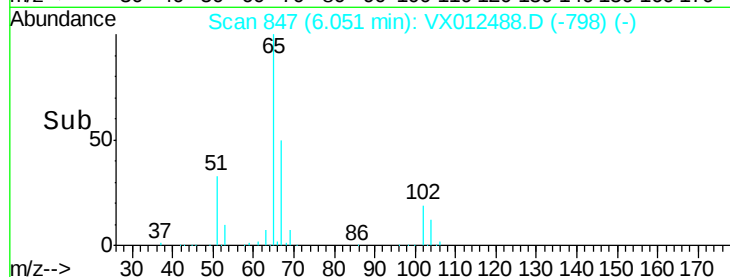
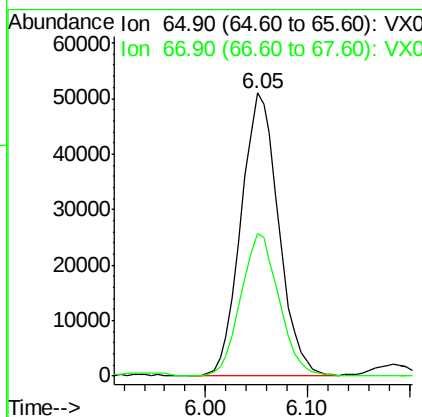
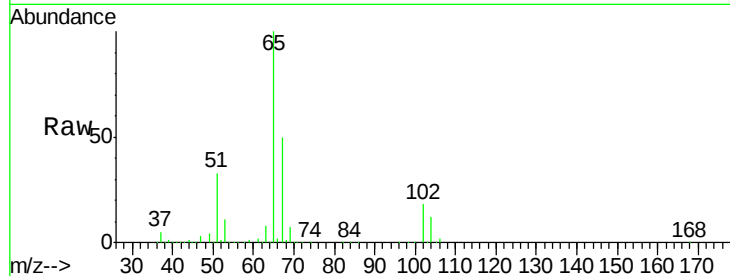
#33
 1,2-Dichloroethane-d4
 Concen: 45.696 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	131332		
67	51.1	0.0	101.2	

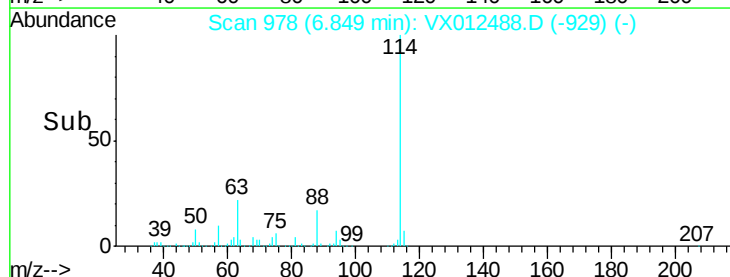
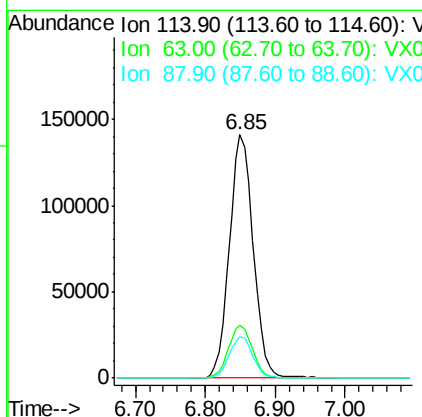
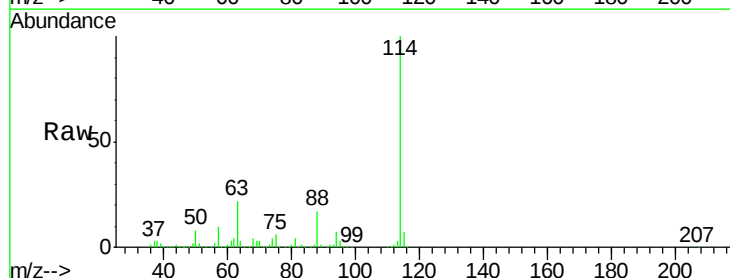
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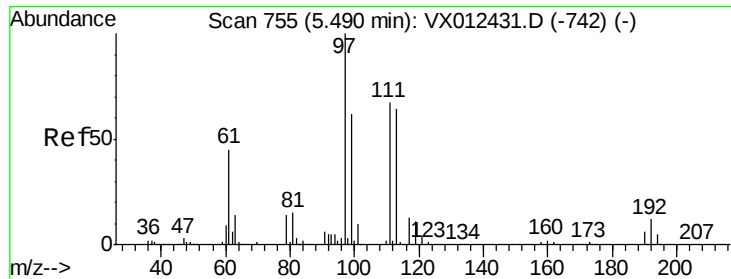
MMDadoda
 9/19/2019 1:06:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	334953		
63	21.6	0.0	43.2	
88	17.0	0.0	33.2	





#35

Dibromofluoromethane

Concen: 49.177 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

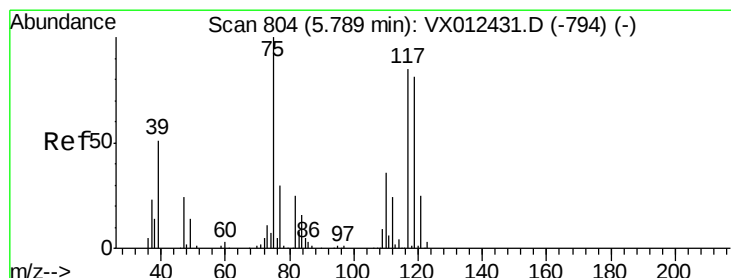
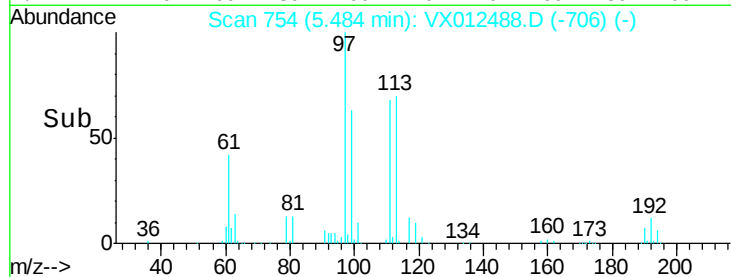
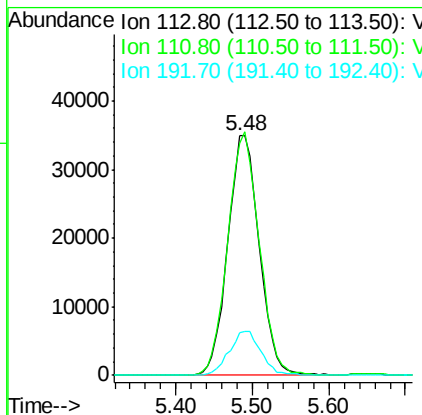
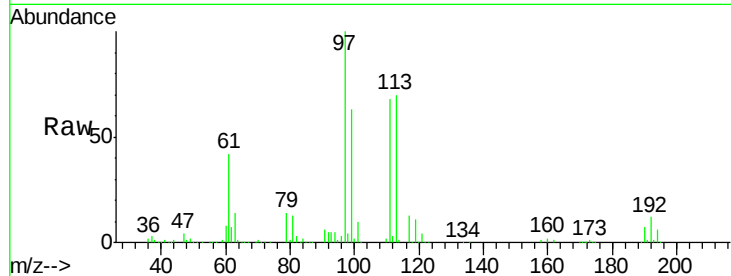
ClientSampleId :

S13-0282MSD

Tot Ion:	113	Resp:	99699
Ion Ratio	Lower	Upper	
113	100		
111	101.3	83.4	125.2
192	18.4	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.370 ug/l

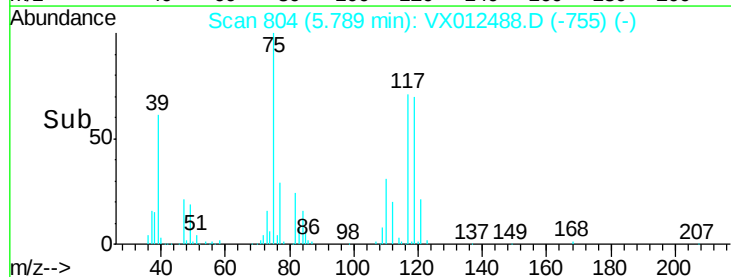
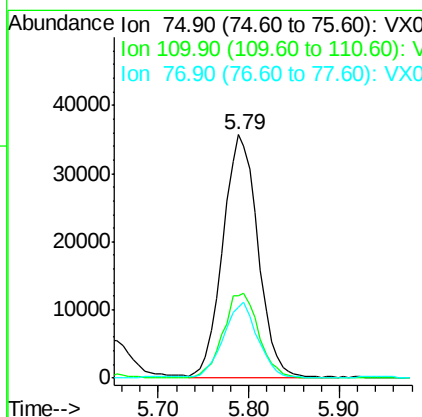
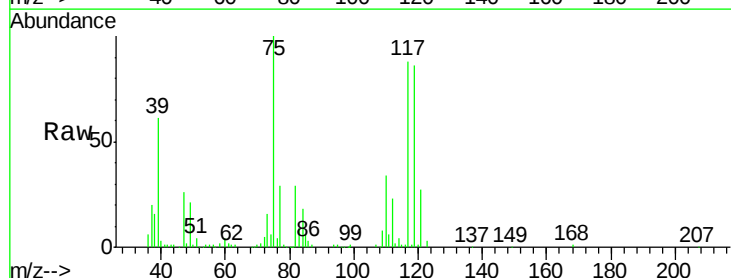
RT: 5.79 min Scan# 804

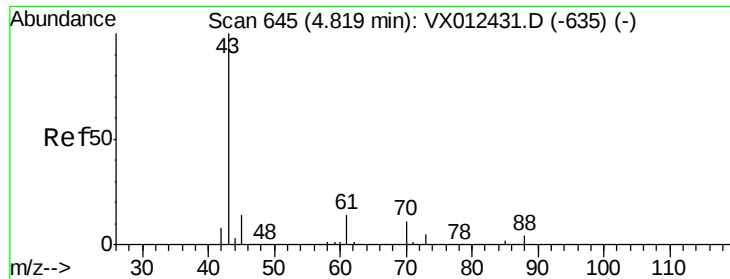
Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Tgt Ion:	75	Resp:	96431
Ion Ratio	Lower	Upper	
75	100		
110	35.7	16.7	50.0
77	30.5	24.2	36.2





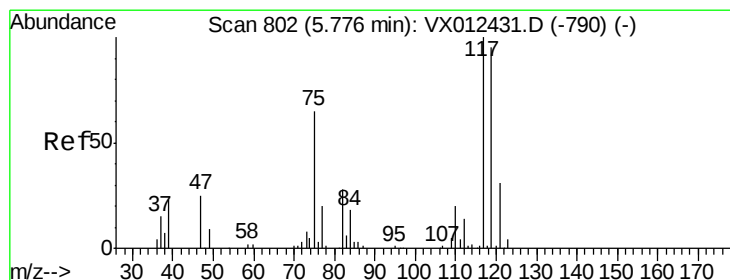
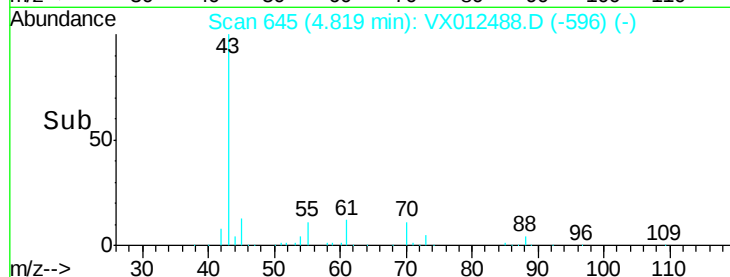
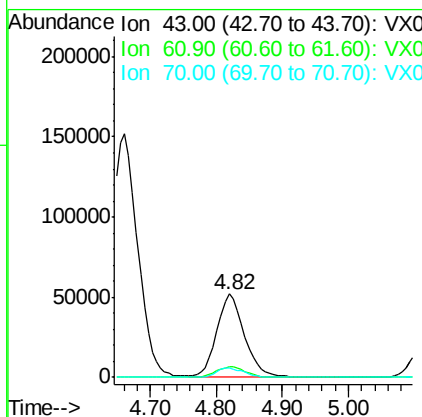
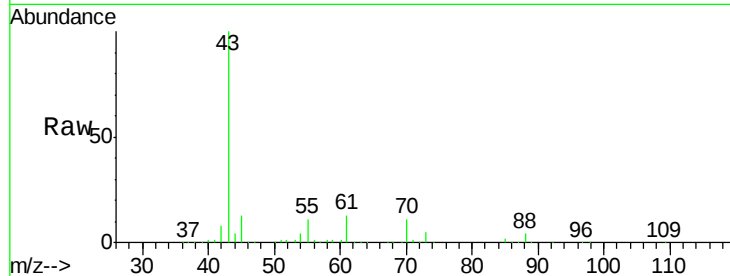
#37
Ethyl Acetate
Concen: 47.578 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.2	15.4
70	11.6	8.7	13.1

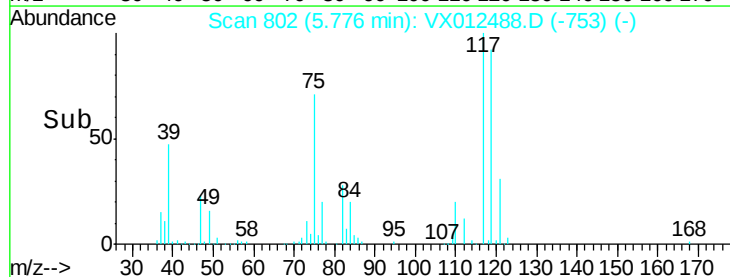
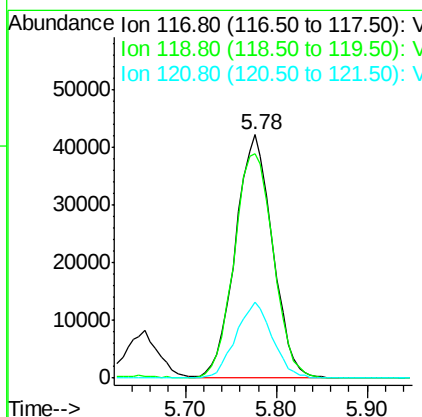
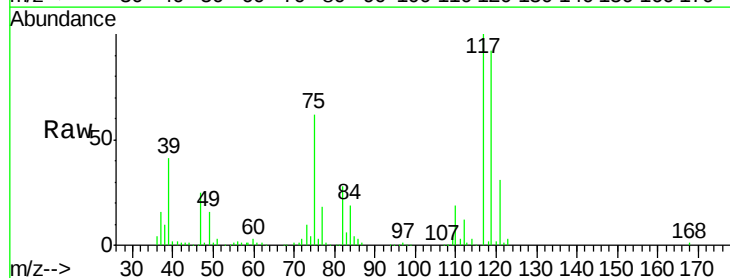
Manual Integrations
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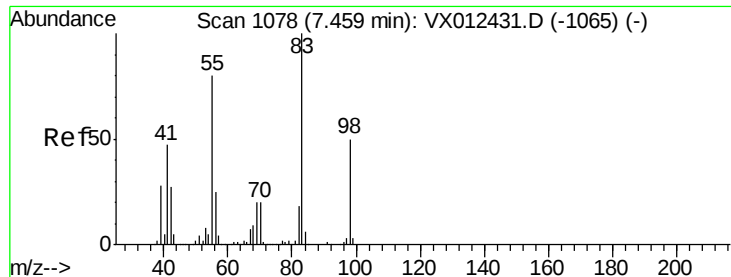
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#38
Carbon Tetrachloride
Concen: 47.395 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	75.7	113.5
121	31.0	24.2	36.4





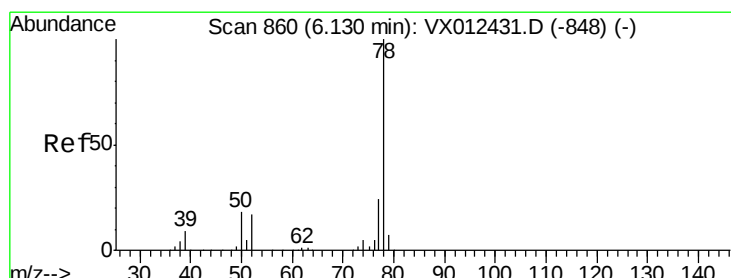
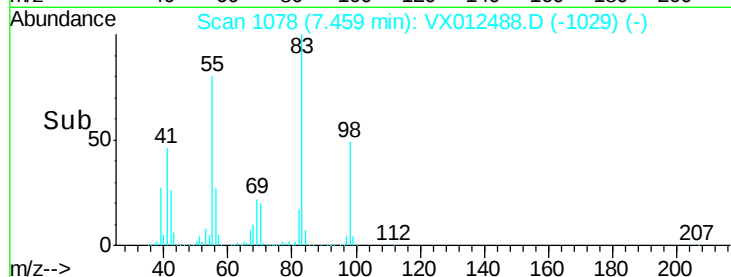
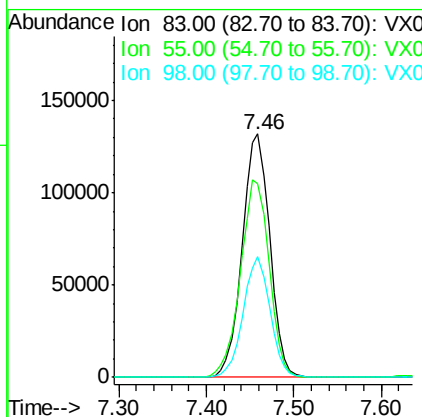
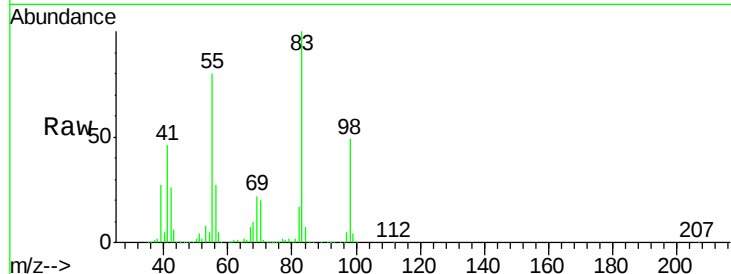
#39
Methvlcvclohexane
Concen: 145.769 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	288471		
55	79.6		64.4	96.6
98	49.3		40.1	60.1

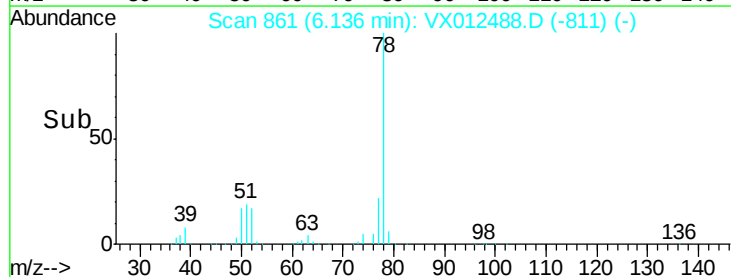
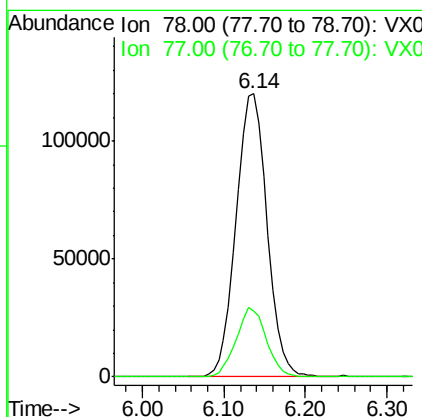
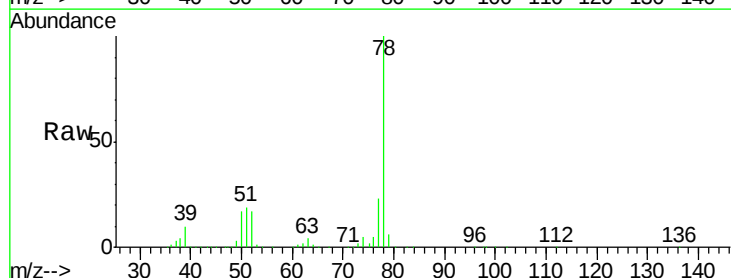
Manual Integrations
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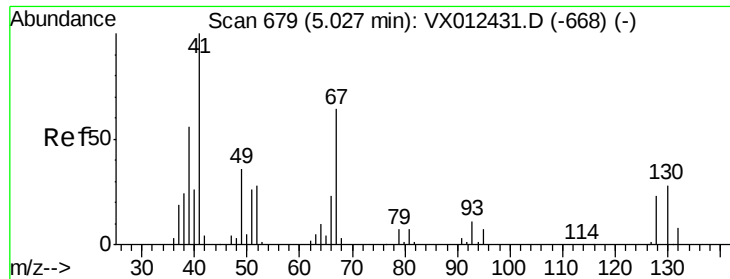
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#40
Benzene
Concen: 48.943 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	316826		
77	23.2		19.2	28.8





#41

Methacrylonitrile

Concen: 45.163 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

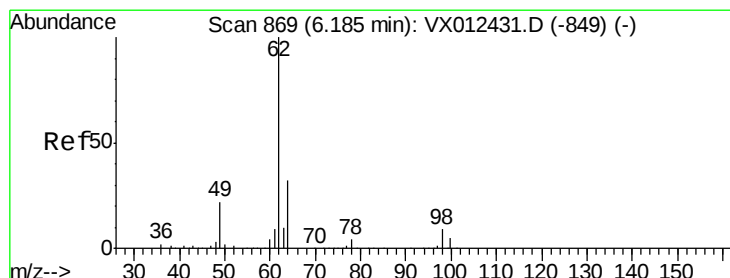
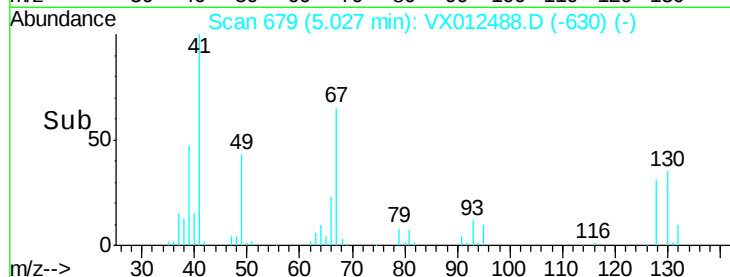
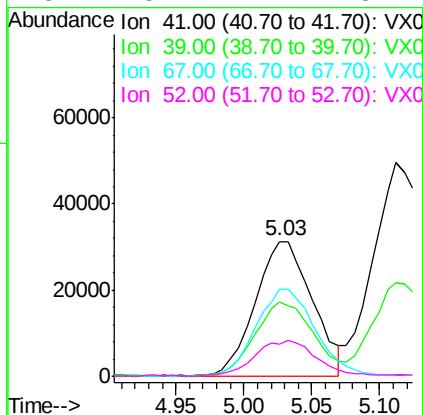
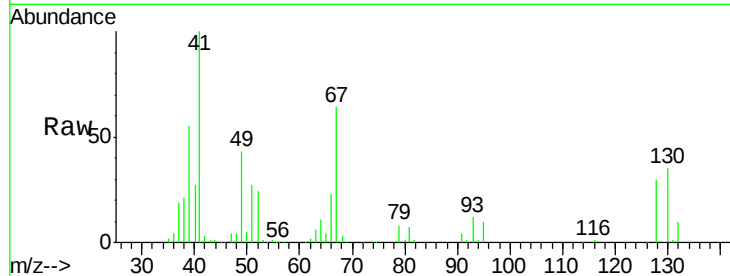
ClientSampleId :

S13-0282MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.5	46.0	69.0	
67	68.2	52.2	78.2	
52	28.2	22.7	34.1	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 46.398 ug/l

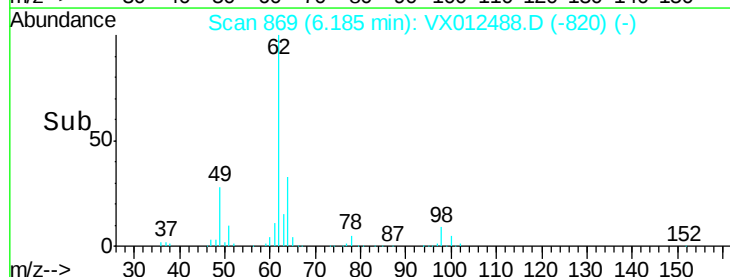
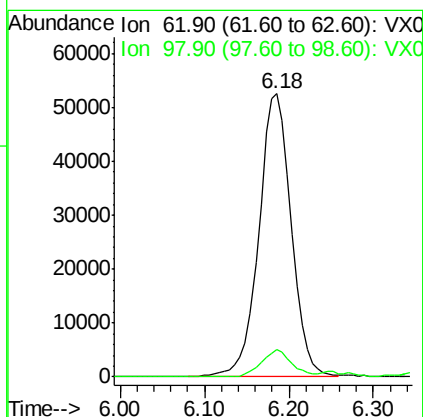
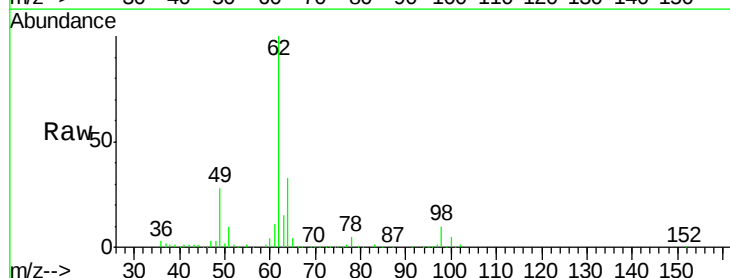
RT: 6.18 min Scan# 869

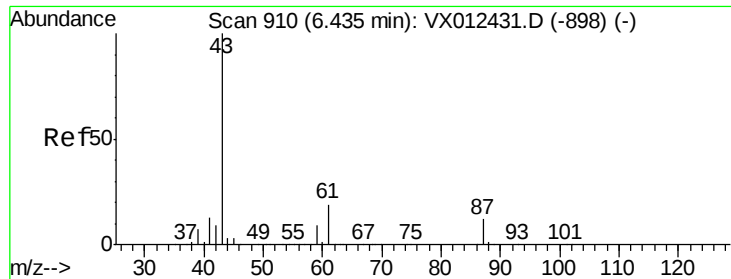
Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	17.8	





#43

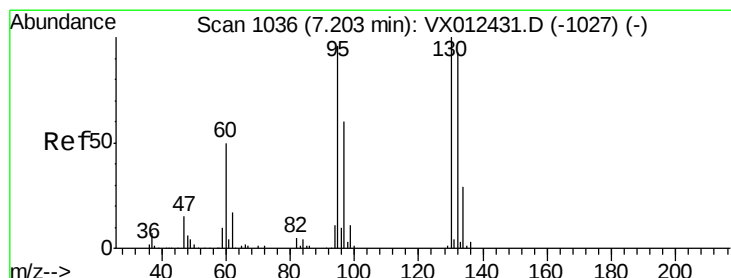
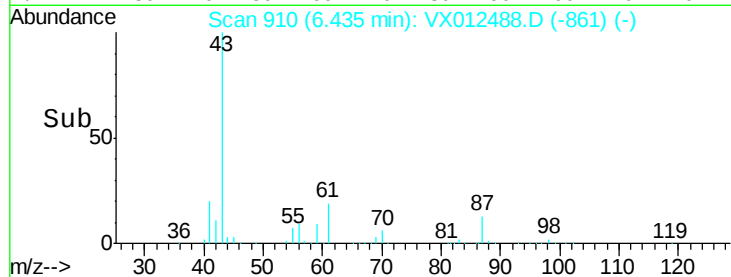
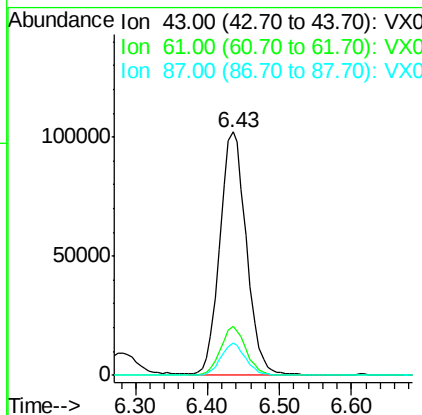
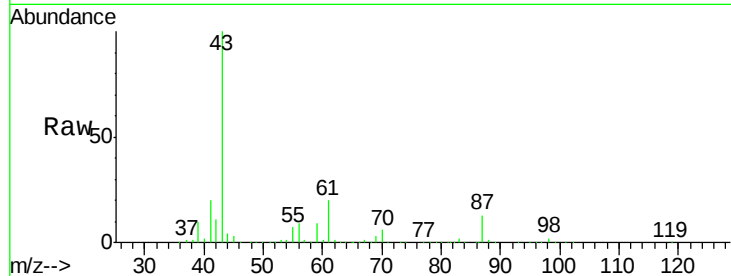
Isopropyl Acetate
 Concen: 46.418 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	12.6	9.8	14.8

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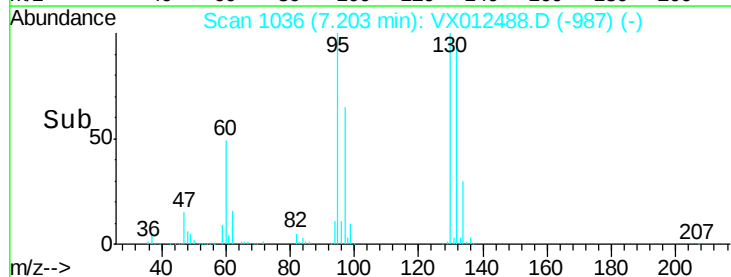
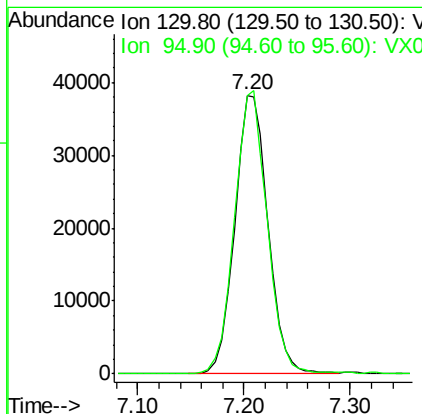
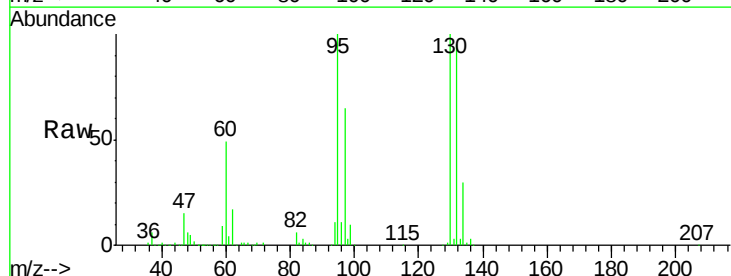
MMDadoda
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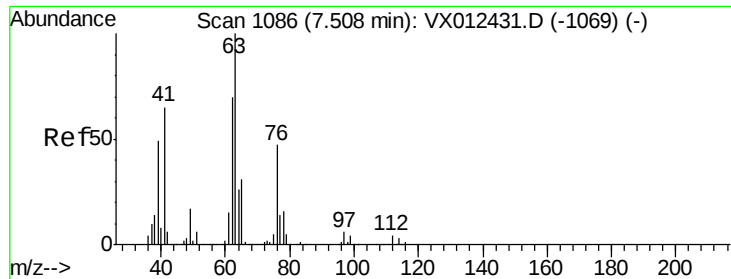


#44

Trichloroethene
 Concen: 49.115 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	193.0





#45

1,2-Dichloropropane

Concen: 48.594 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 63 Resp: 96643

Ion Ratio Lower Upper

63 100

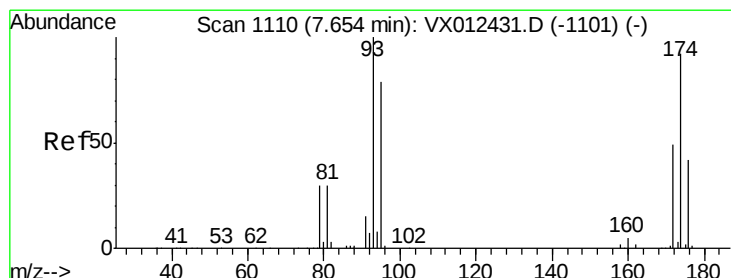
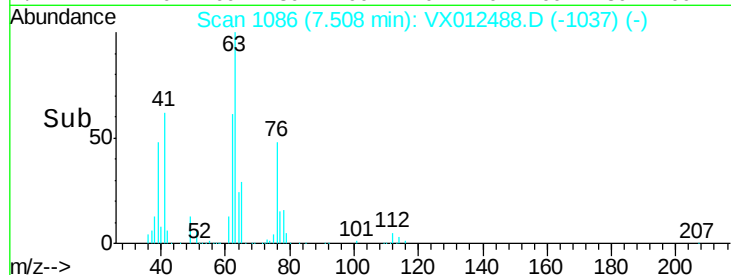
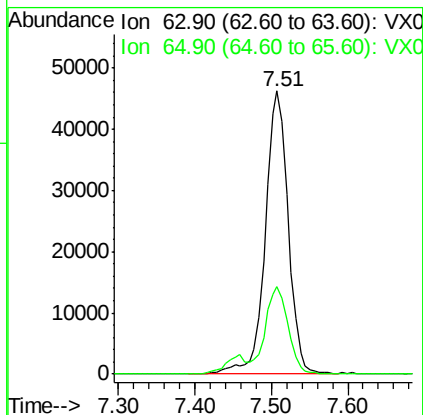
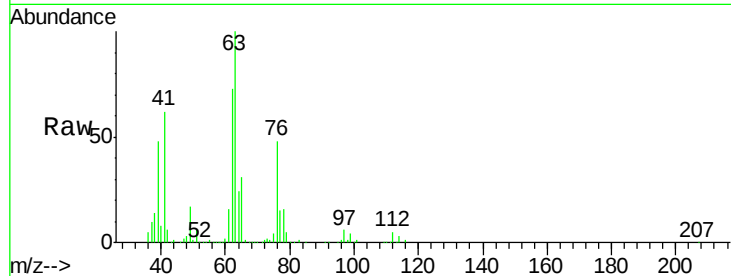
65 30.7 25.0 37.6

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#46

Dibromomethane

Concen: 48.407 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

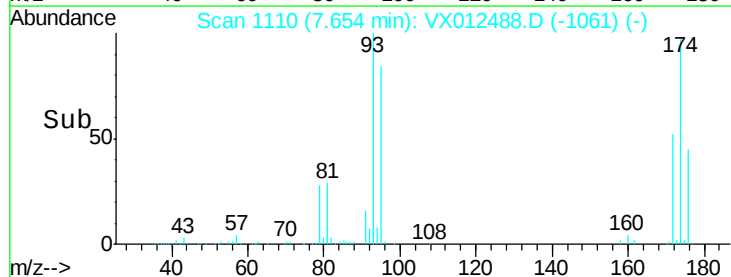
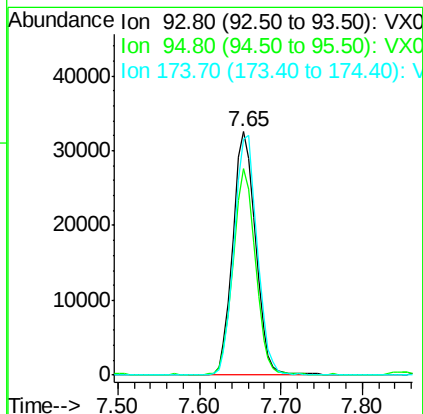
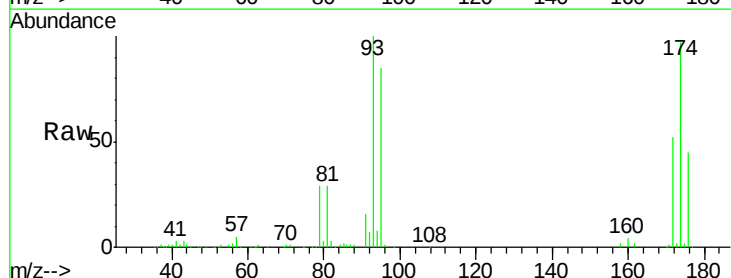
Tgt Ion: 93 Resp: 62299

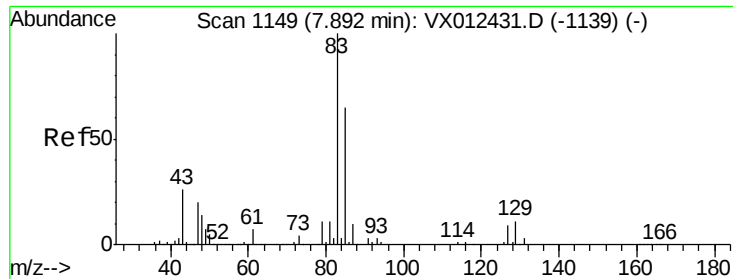
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 99.6 77.4 116.0





#47

Bromodichloromethane

Concen: 49.160 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

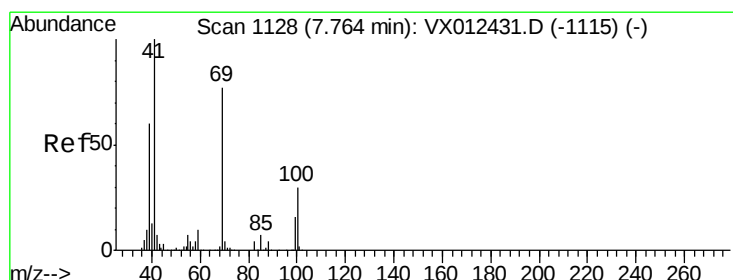
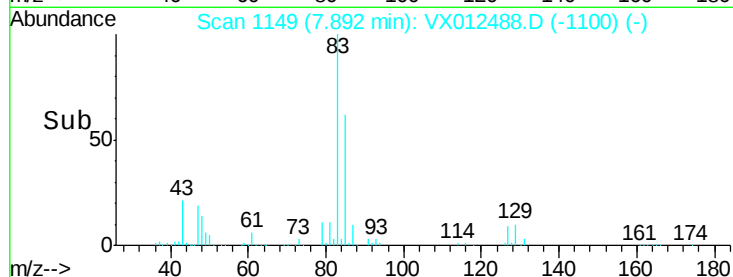
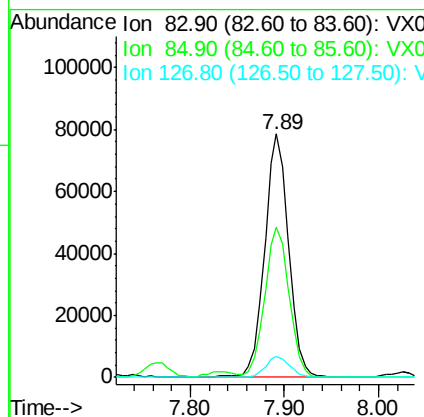
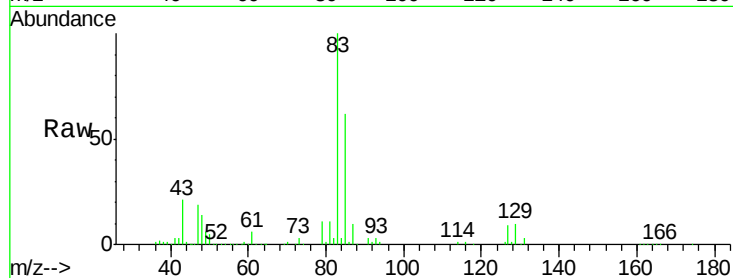
ClientSampled :

S13-0282MSD

Tot Ion:	83	Resp:	140873
Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.8	77.6
127	8.5	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.472 ug/l

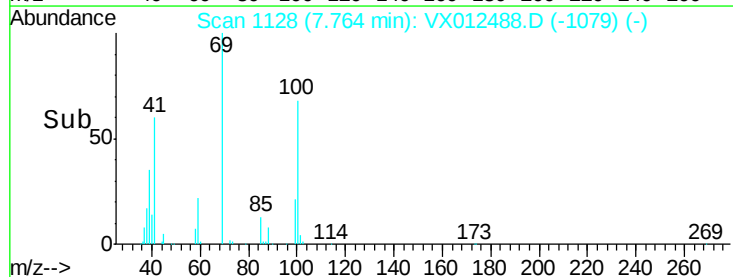
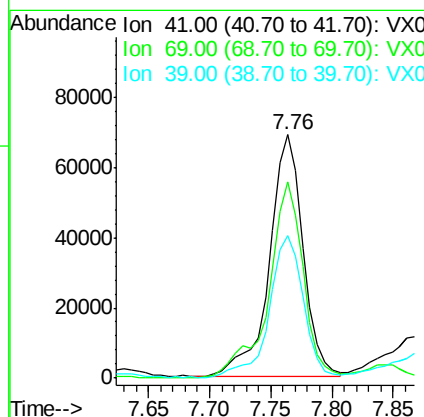
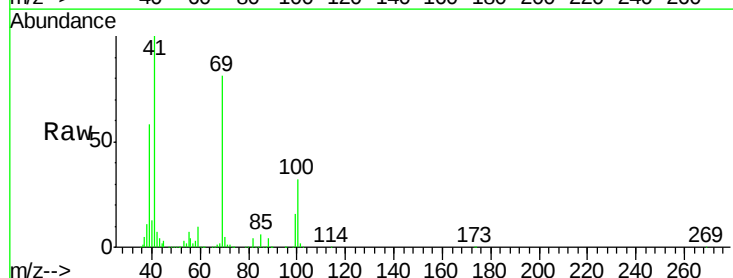
RT: 7.76 min Scan# 1128

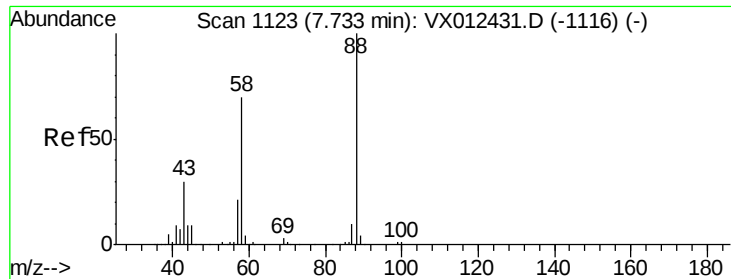
Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Tgt Ion:	41	Resp:	133435
Ion	Ratio	Lower	Upper
41	100		
69	83.4	59.9	89.9
39	58.3	47.8	71.6





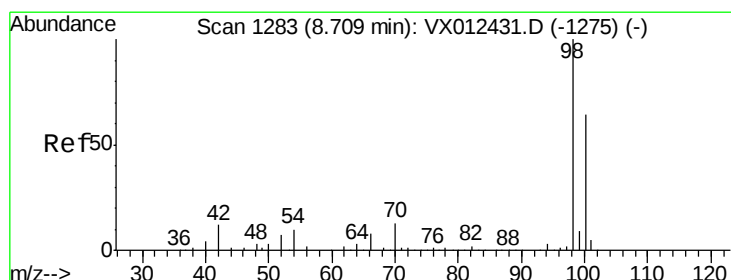
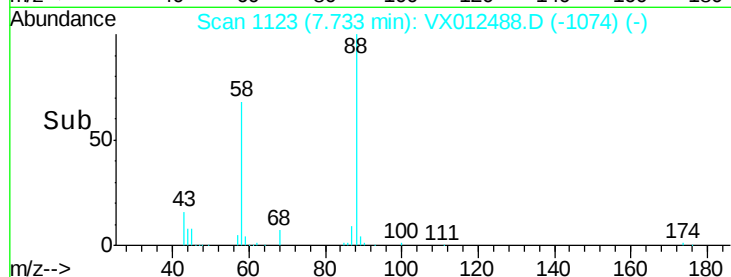
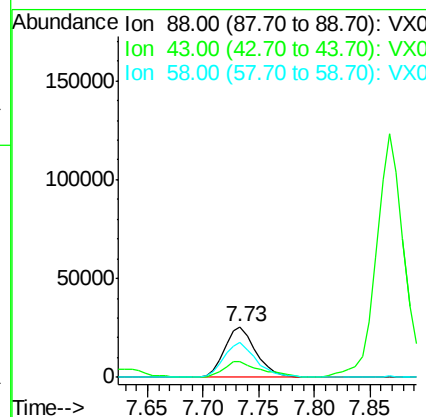
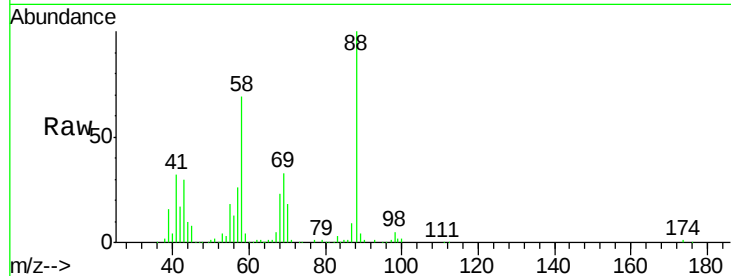
#49
1,4-Dioxane
Concen: 772.333 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100	49695		
43	34.7		29.4	44.0
58	71.1		57.5	86.3

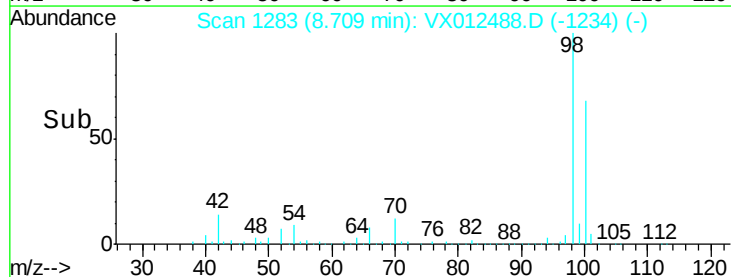
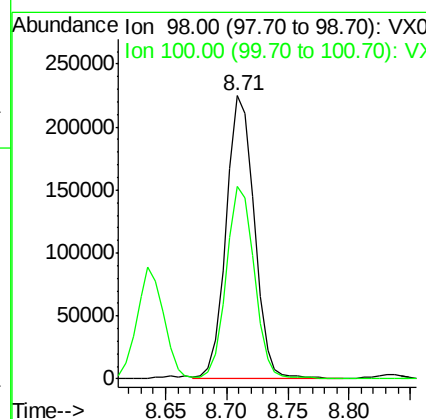
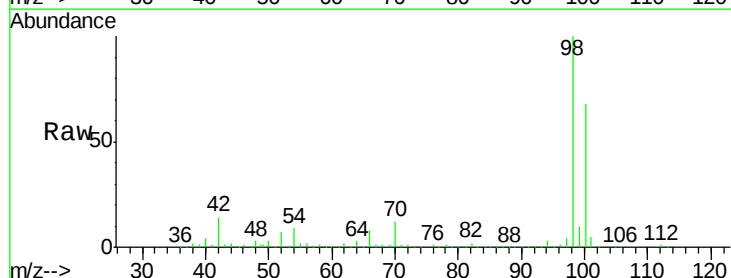
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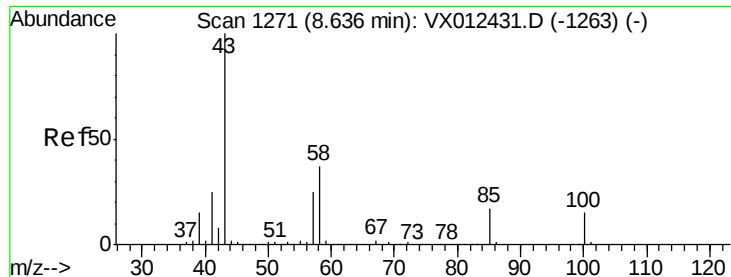
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#50
Toluene-d8
Concen: 47.295 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	354907		
100	68.8		53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 234.169 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 43 Resp: 861261

Ion Ratio Lower Upper

43 100

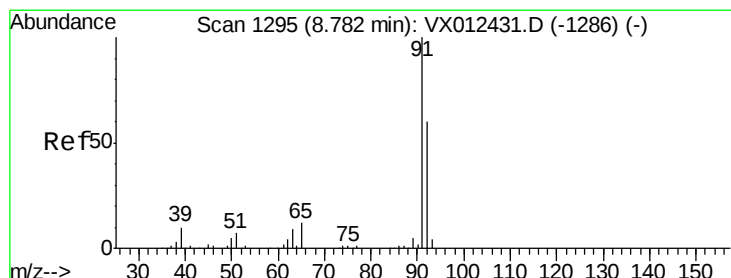
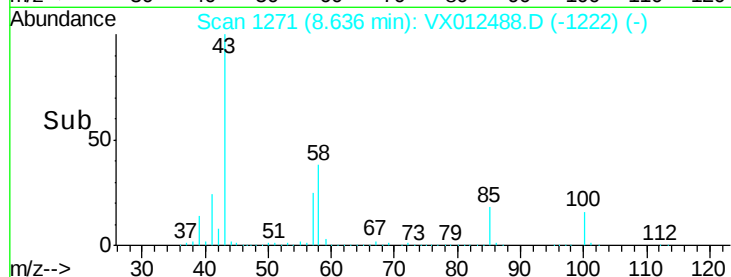
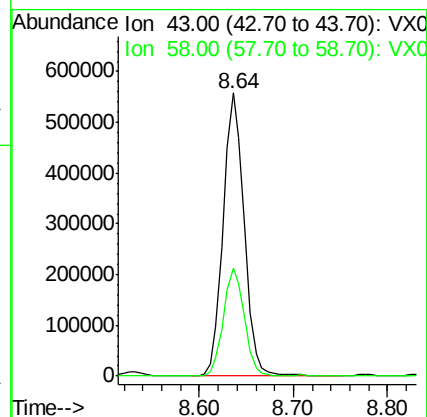
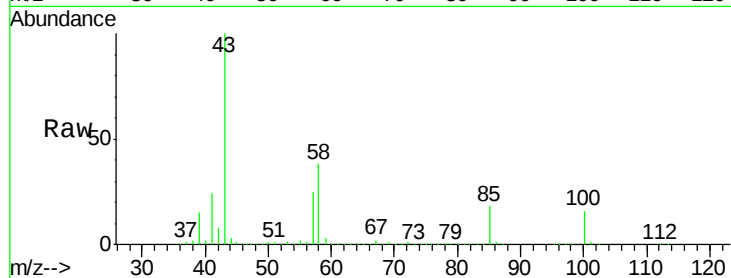
58 38.0 29.8 44.6

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#52

Toluene

Concen: 49.861 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012488.D

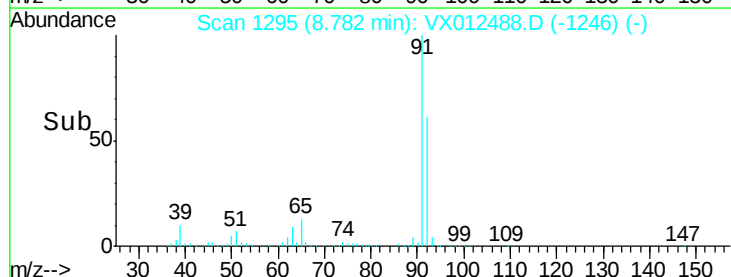
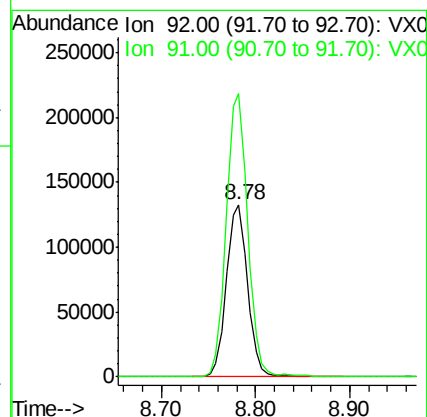
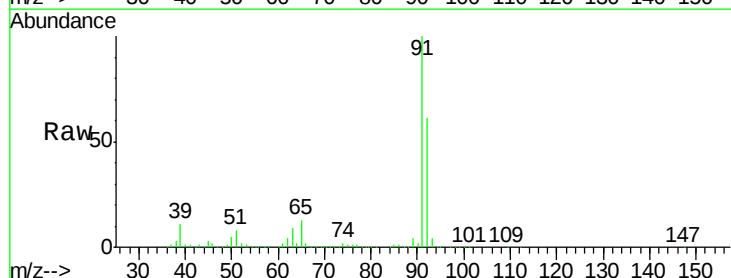
Acq: 18 Sep 2019 20:51

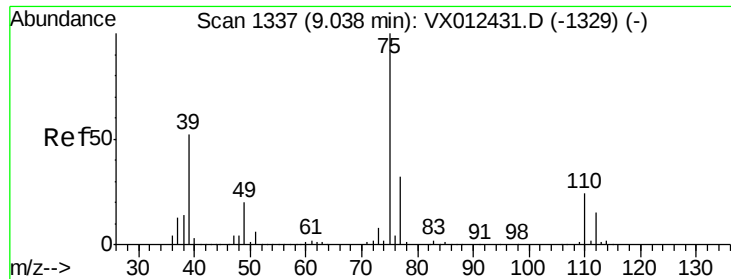
Tgt Ion: 92 Resp: 207982

Ion Ratio Lower Upper

92 100

91 166.1 135.4 203.0





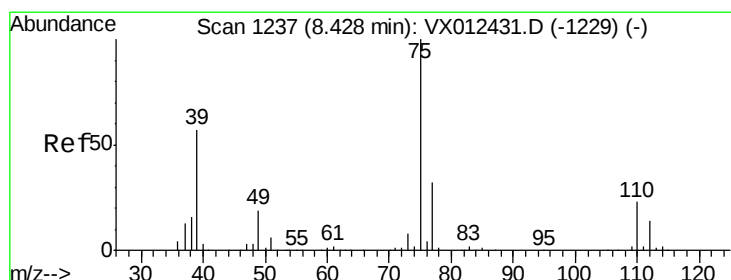
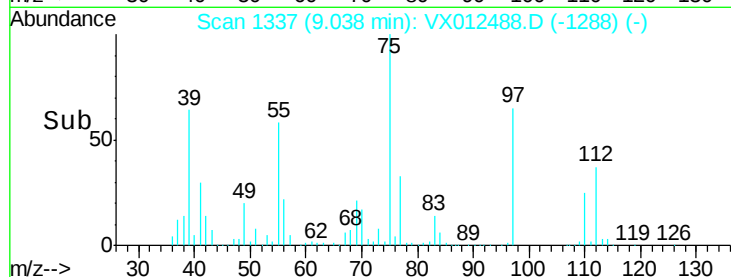
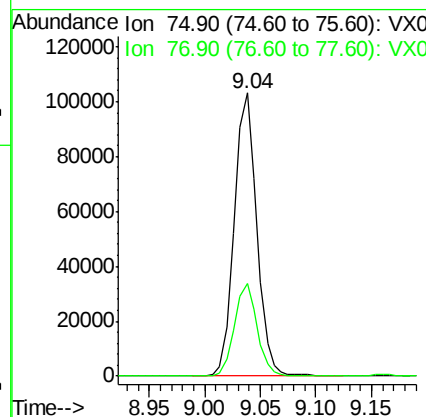
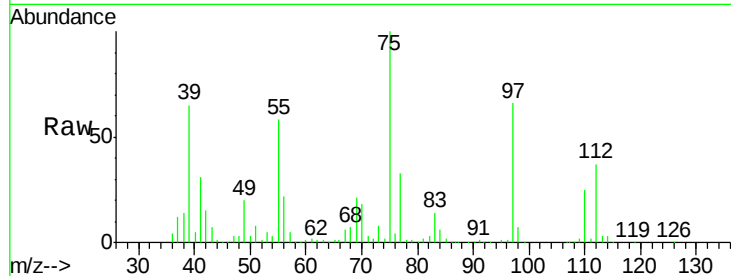
#53
t-1,3-Dichloropropene
Concen: 48.558 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion: 75 Resp: 144644
Ion Ratio Lower Upper
75 100
77 32.6 25.2 37.8

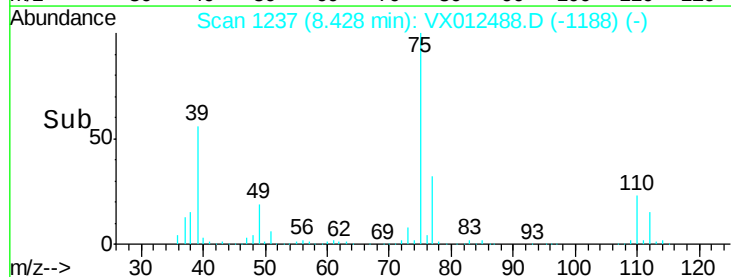
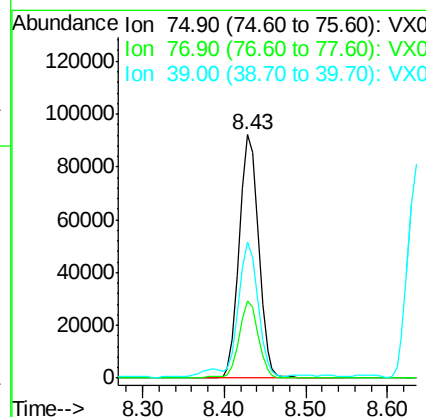
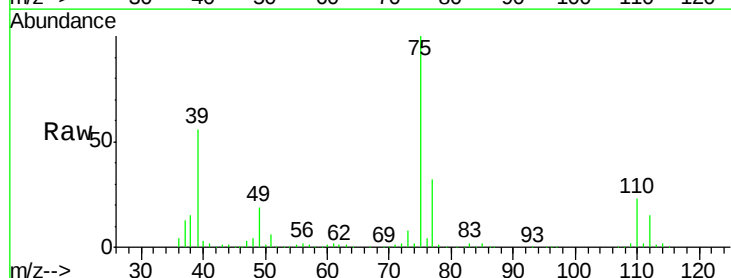
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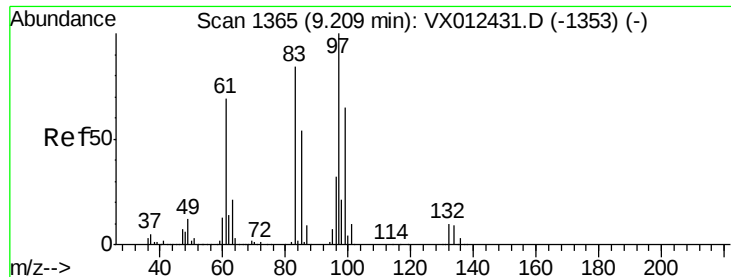
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#54
cis-1,3-Dichloropropene
Concen: 48.618 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion: 75 Resp: 149932
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
39 55.2 45.5 68.3





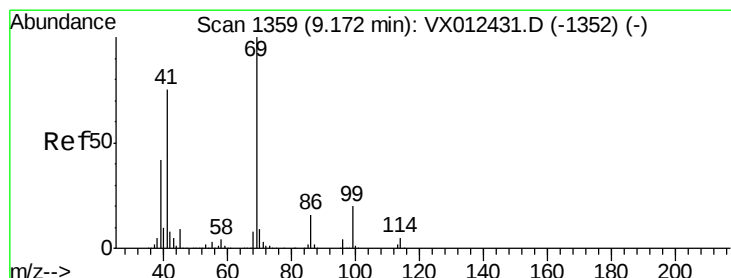
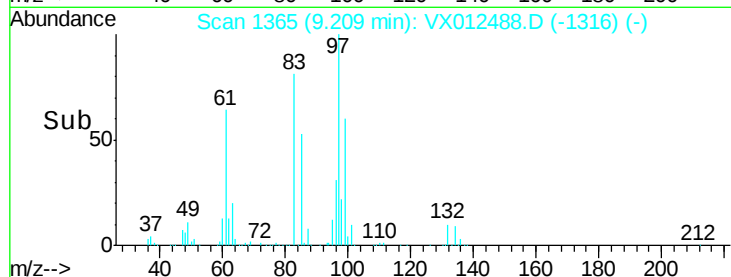
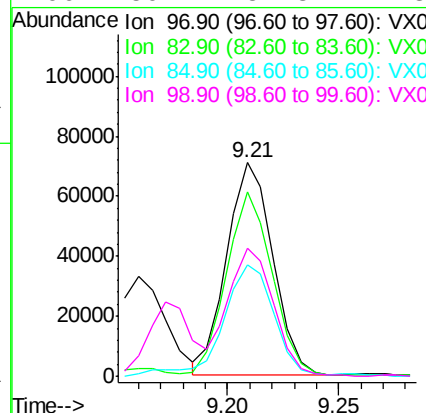
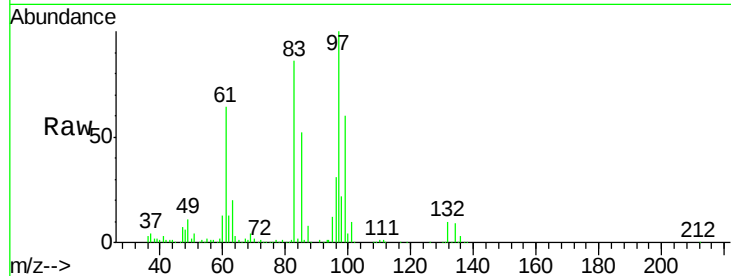
#55
 1,1,2-Trichloroethane
 Concen: 47.338 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0282MSD

Tot Ion:	97	Resp:	101730
Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.4	101.2
85	51.5	43.5	65.3
99	59.7	51.8	77.8

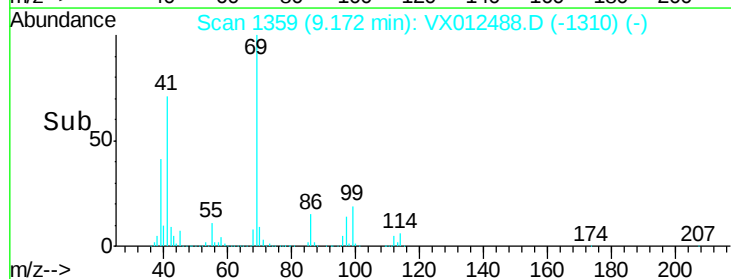
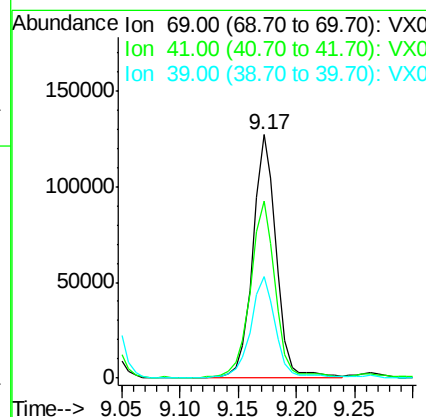
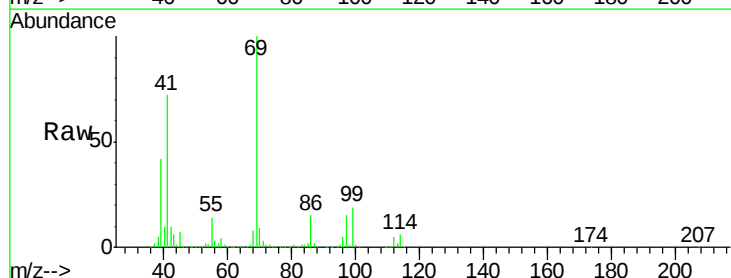
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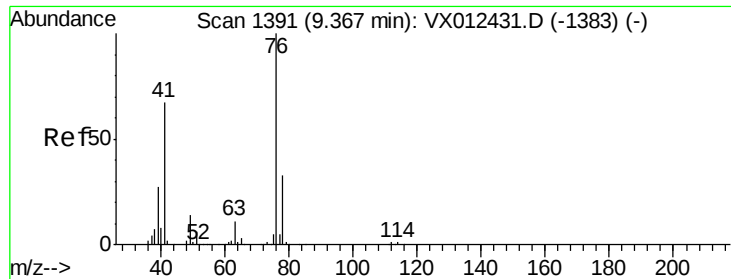
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#56
 Ethyl methacrylate
 Concen: 53.577 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion:	69	Resp:	180017
Ion	Ratio	Lower	Upper
69	100		
41	77.0	58.4	87.6
39	44.1	33.4	50.0





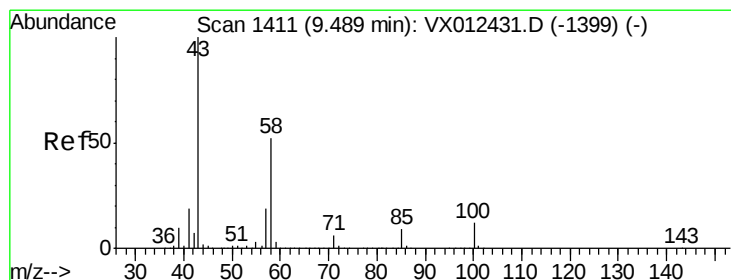
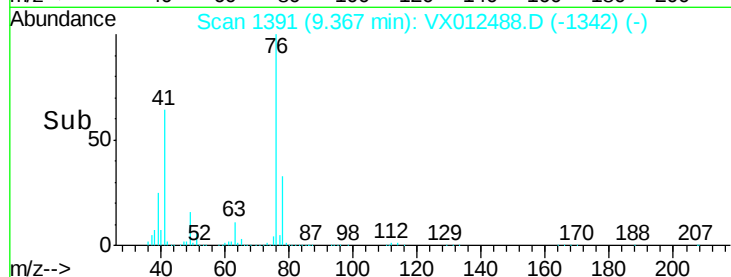
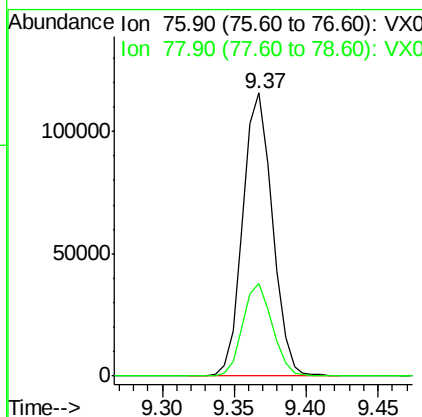
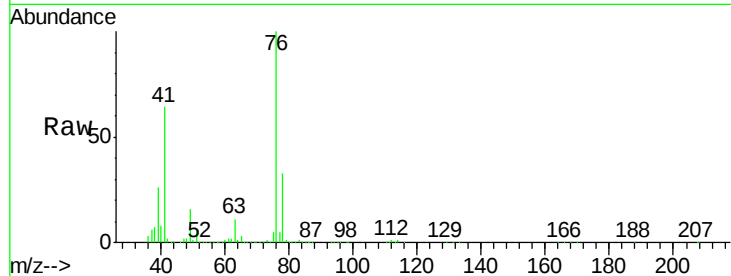
#57
 1,3-Dichloropropane
 Concen: 48.253 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0282MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.2

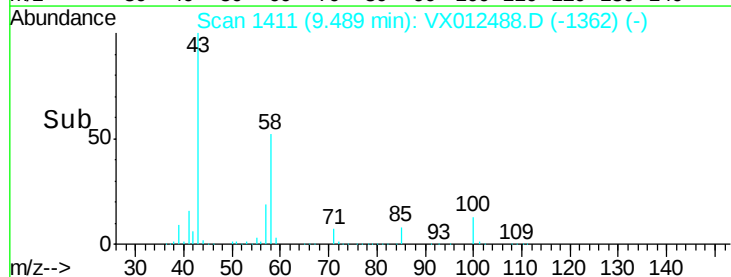
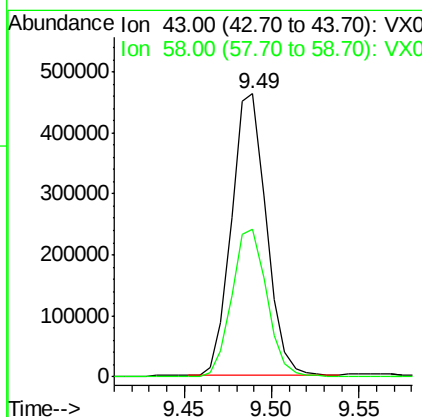
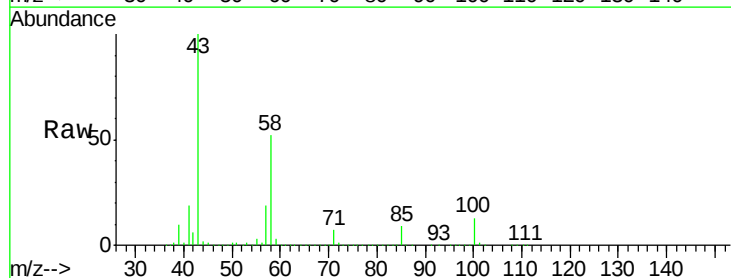
Manual Integrations
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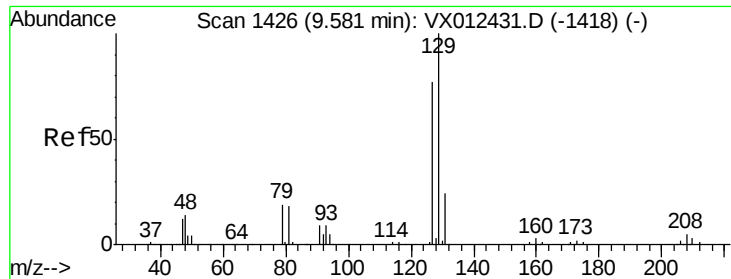
MMDadoda
 9/19/2019 1:06:00 PM



#59
 2-Hexanone
 Concen: 222.768 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.7	25.7	77.1





#60

Dibromochloromethane

Concen: 50.495 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion:129 Resp: 110533

Ion Ratio Lower Upper

129 100

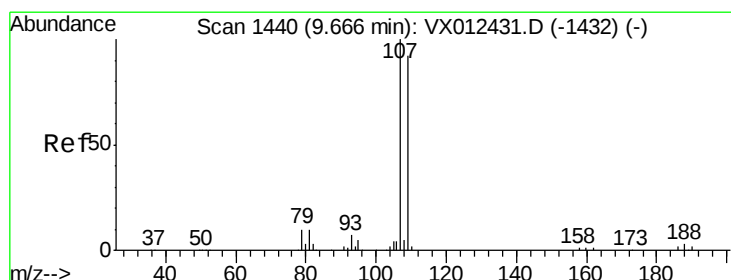
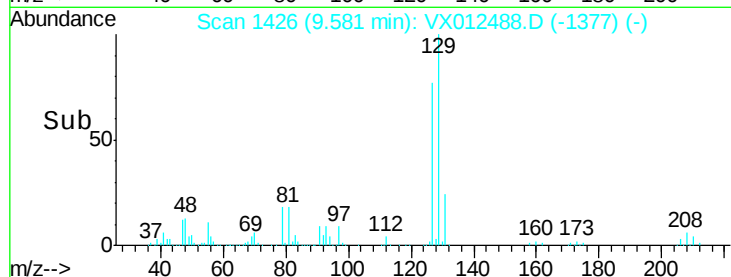
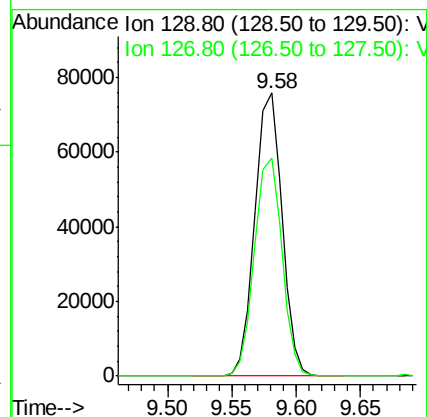
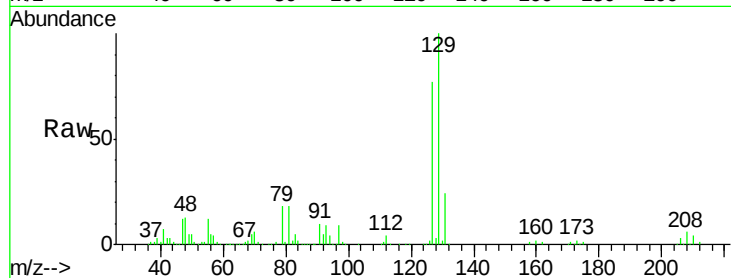
127 78.4 38.9 116.6

Manual Integrations

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9/19/2019 1:06:00 PM



#61

1,2-Dibromoethane

Concen: 50.661 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012488.D

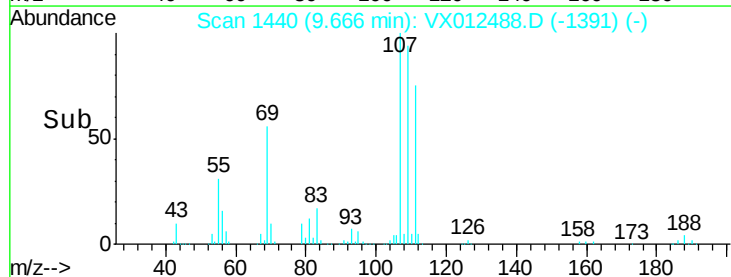
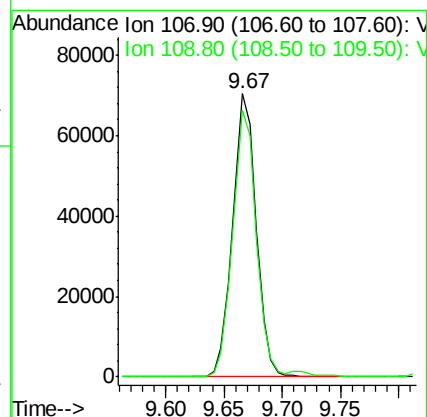
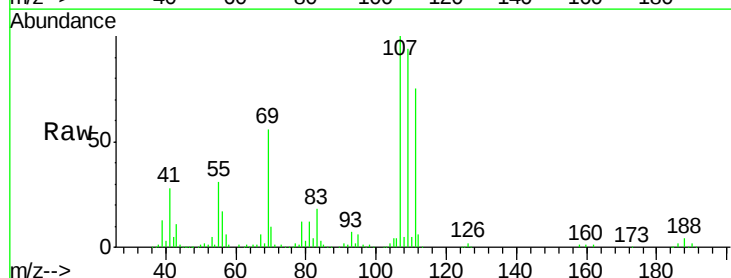
Acq: 18 Sep 2019 20:51

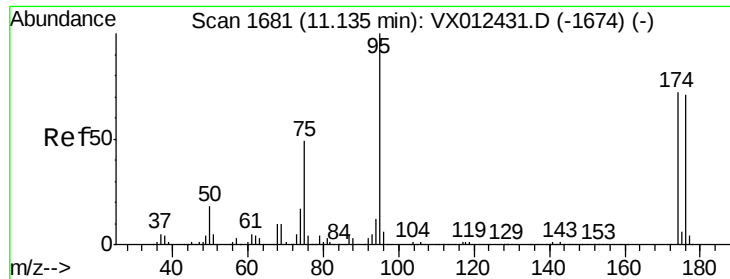
Tgt Ion:107 Resp: 99432

Ion Ratio Lower Upper

107 100

109 94.3 74.7 112.1





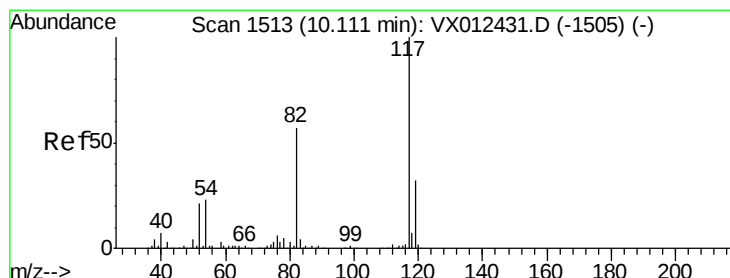
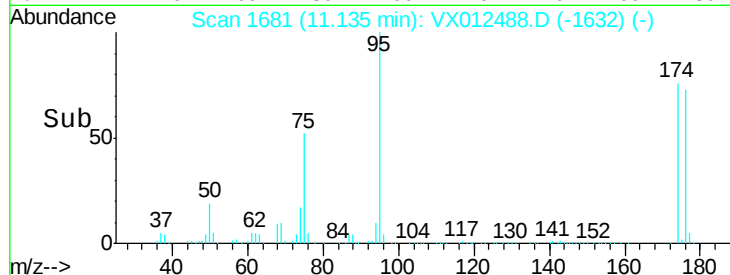
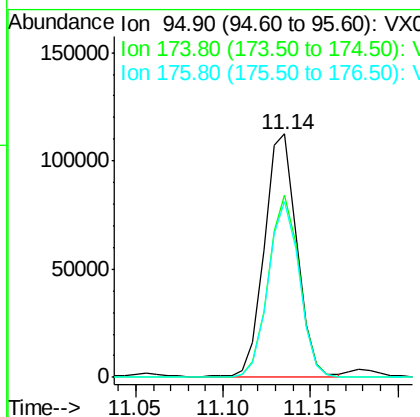
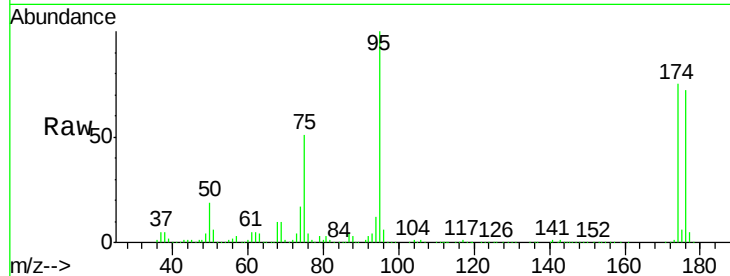
#62
4-Bromofluorobenzene
Concen: 46.498 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	144875		
174	72.2	0.0	140.0	
176	69.8	0.0	135.4	

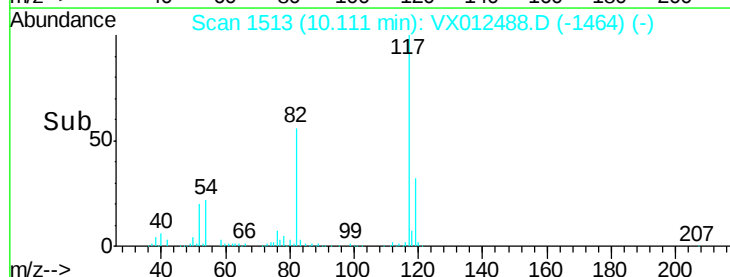
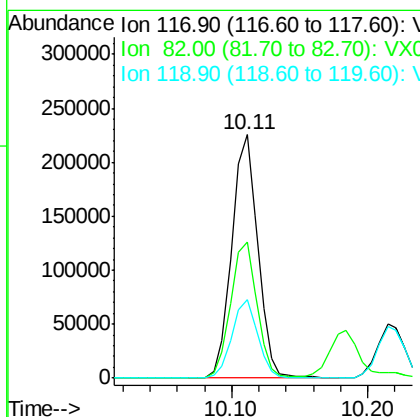
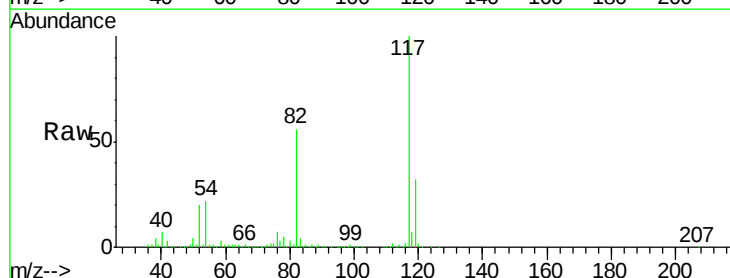
Manual Integrations
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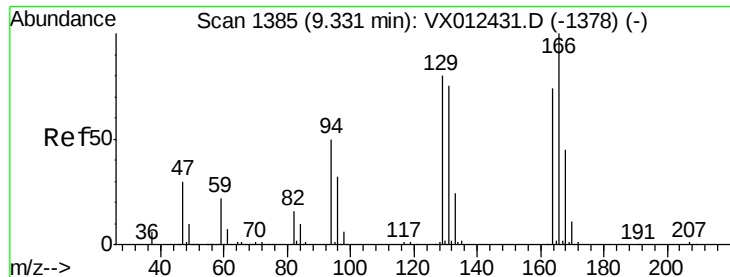
MMDadoda
9/19/2019 1:06:00 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	300705		
82	55.5	45.9	68.9	
119	32.1	25.3	37.9	





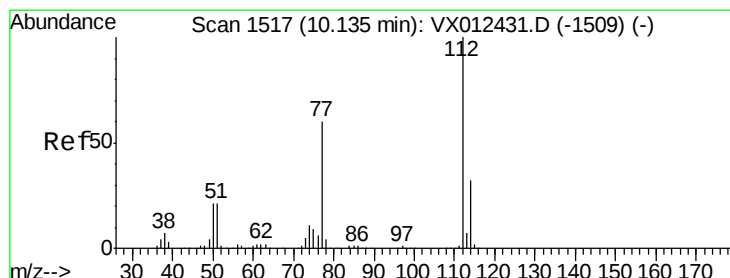
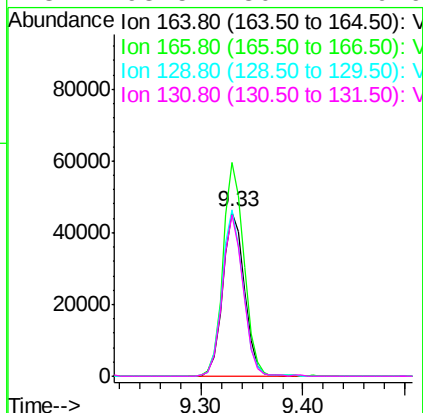
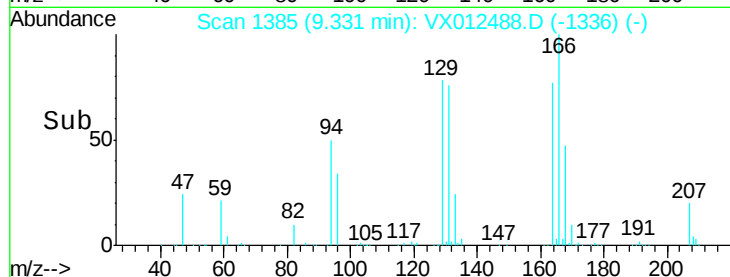
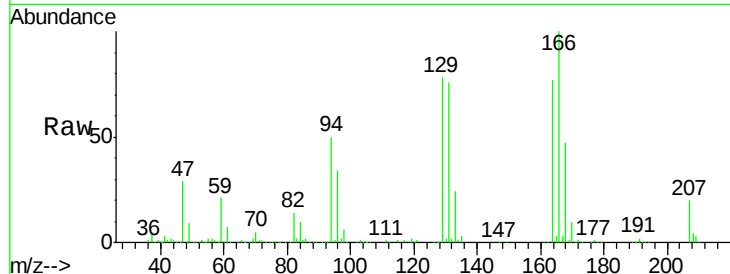
#64
Tetrachloroethene
Concen: 48.778 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.3	107.8	161.6
129	101.9	86.2	129.2
131	98.5	80.4	120.6

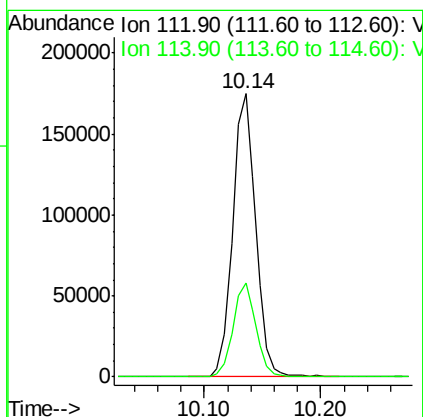
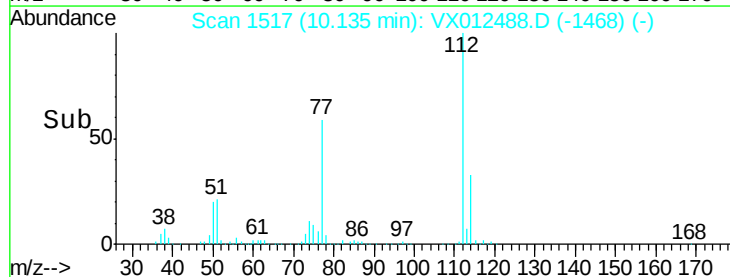
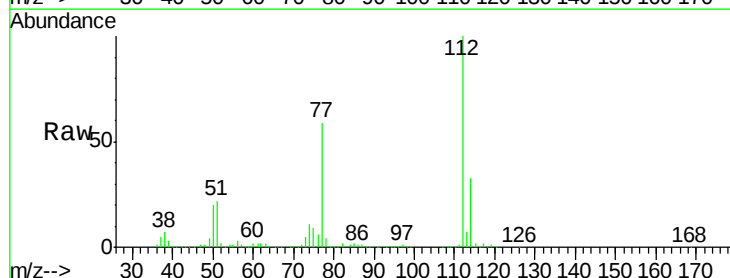
Manual Integrations
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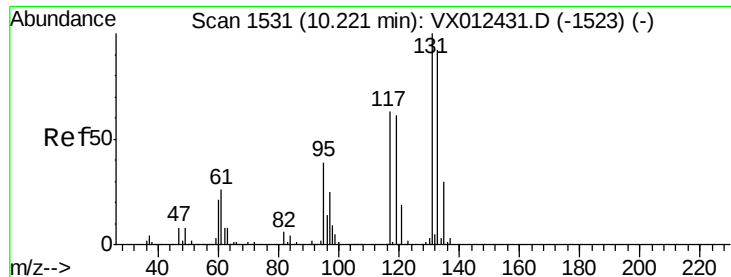
MMDadoda
9/19/2019 1:06:00 PM



#65
Chlorobenzene
Concen: 48.415 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.4	38.0





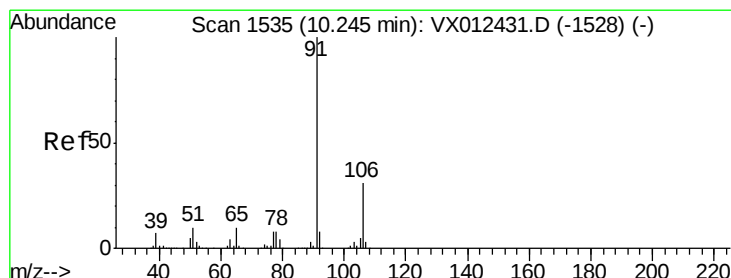
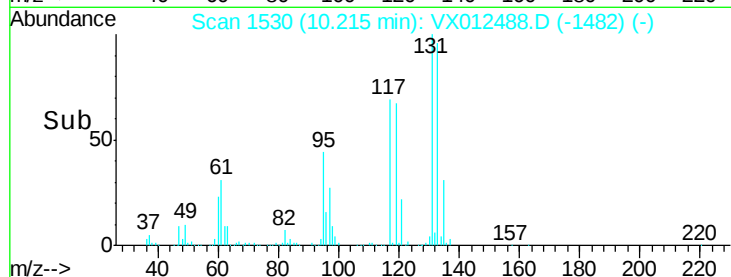
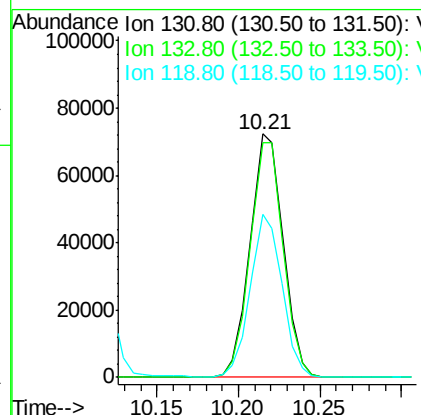
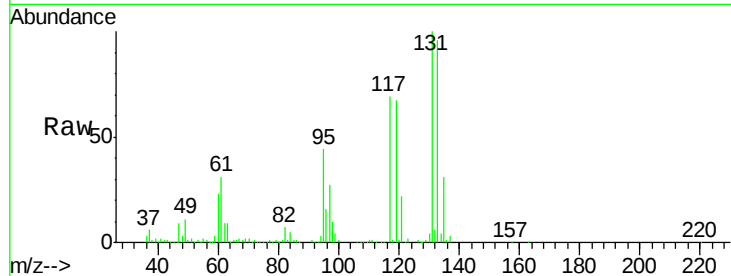
#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.971 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100			
133	96.5	47.6	142.9	
119	64.5	31.3	93.8	

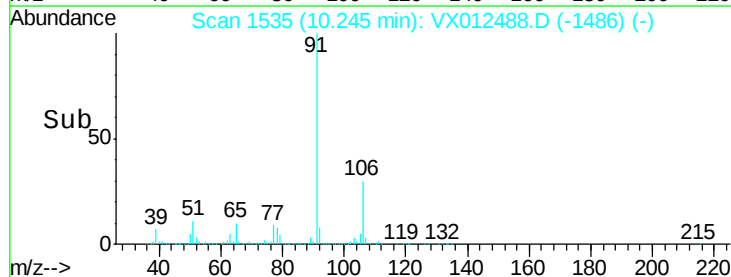
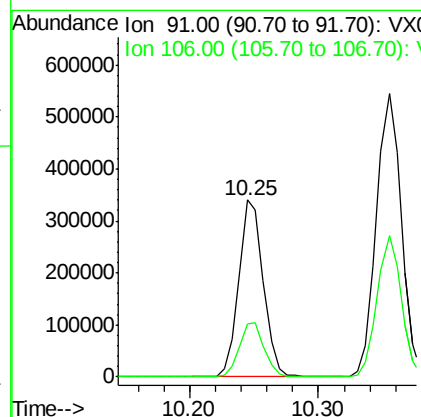
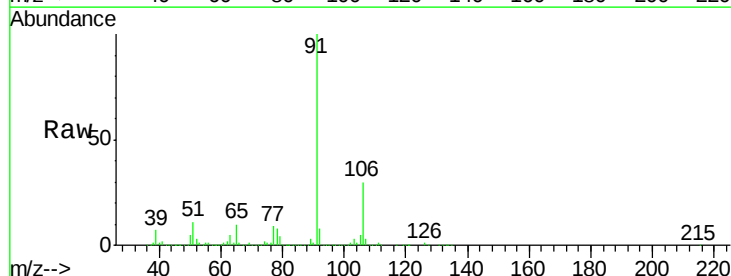
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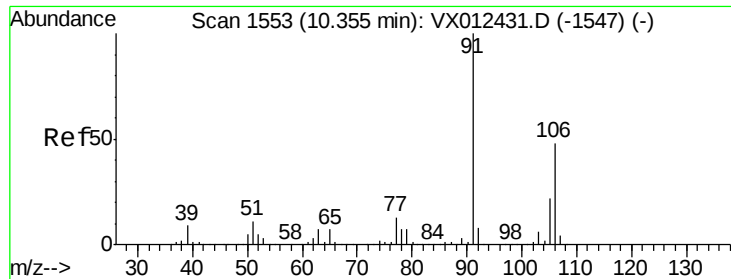
MMDadoda
 9/19/2019 1:06:00 PM



#67
 Ethyl Benzene
 Concen: 52.900 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
106	30.2	24.6	37.0	





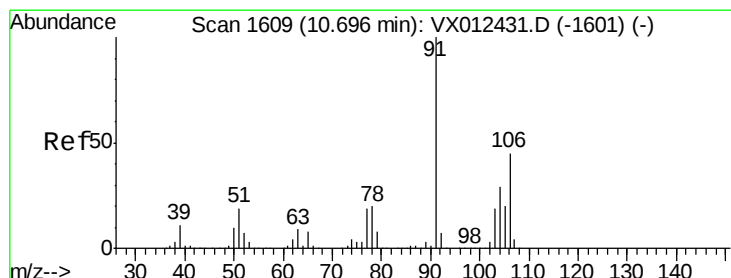
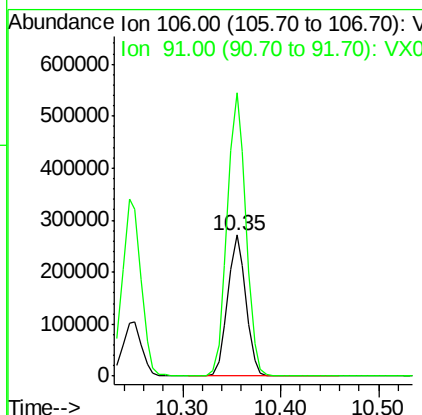
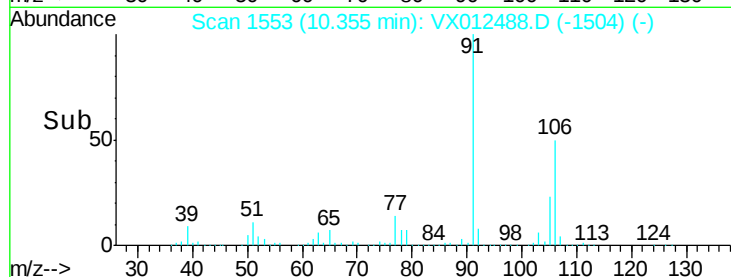
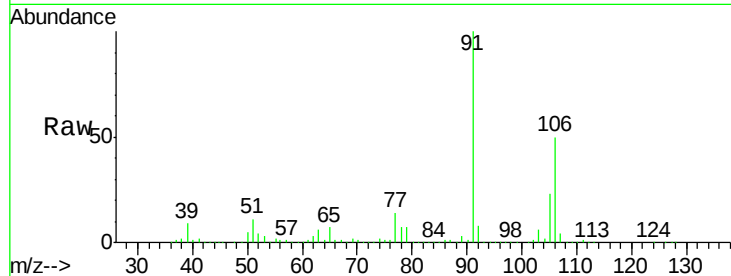
#68
m/p-Xylenes
Concen: 113.338 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion:106 Resp: 351634
Ion Ratio Lower Upper
106 100
91 205.9 166.6 250.0

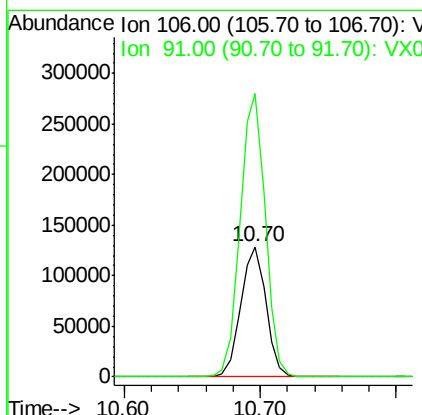
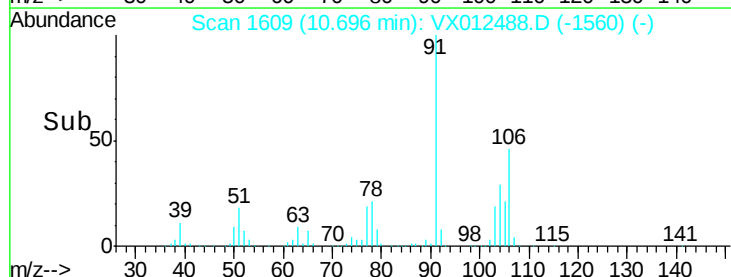
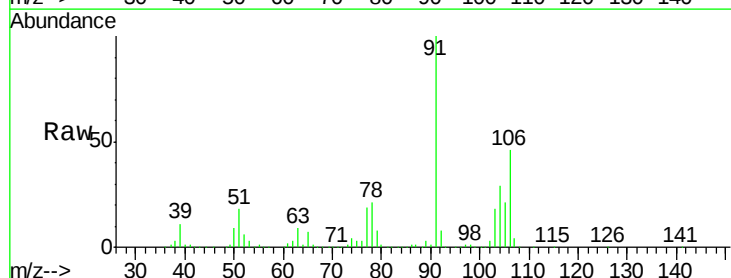
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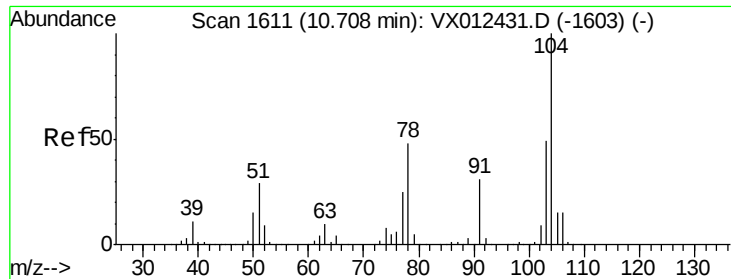
MMDadoda
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#69
o-Xylene
Concen: 51.942 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion:106 Resp: 165730
Ion Ratio Lower Upper
106 100
91 217.1 109.4 328.2





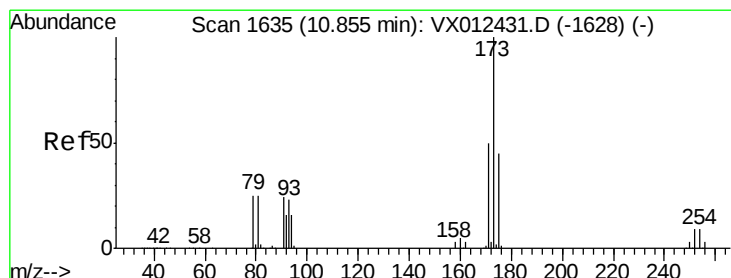
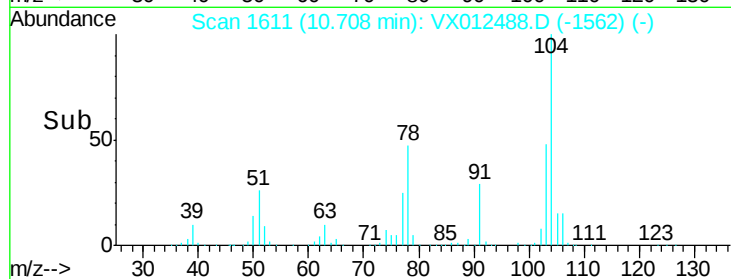
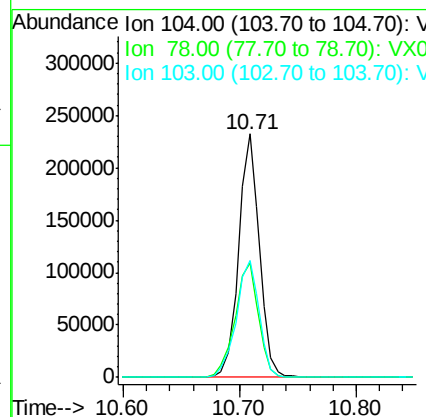
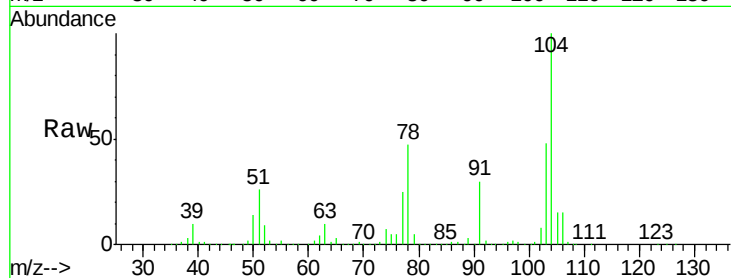
#70
Stvrene
Concen: 50.918 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	287446		
78	53.5	43.4	65.2	
103	53.5	43.3	64.9	

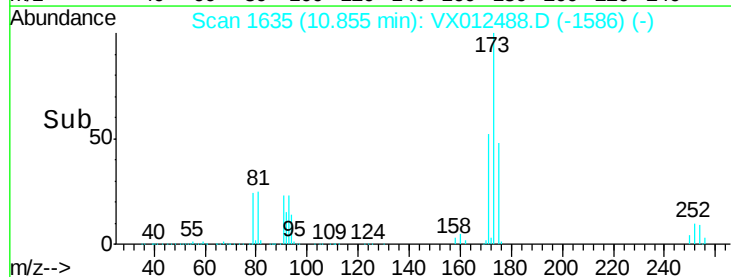
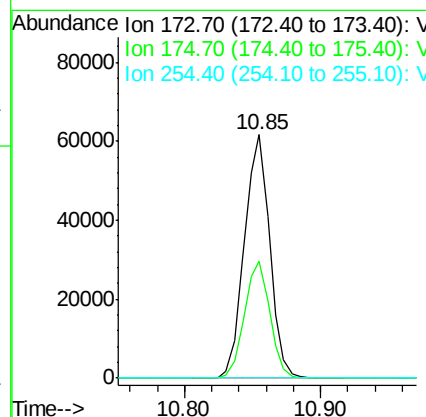
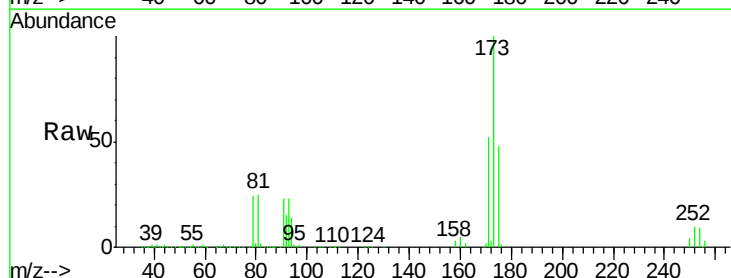
Manual Integrations
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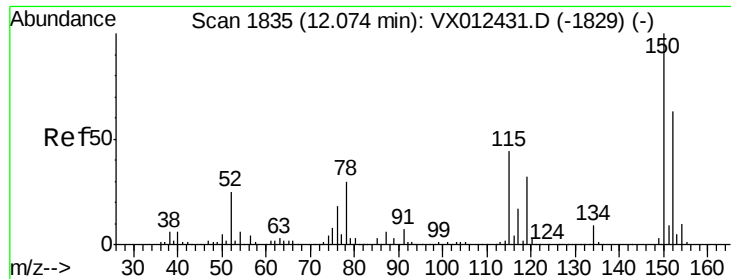
MMDadoda
9/19/2019 1:06:00 PM



#71
Bromoform
Concen: 45.365 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	79955		
175	48.3	23.7	71.1	
254	0.2	0.1	0.1#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

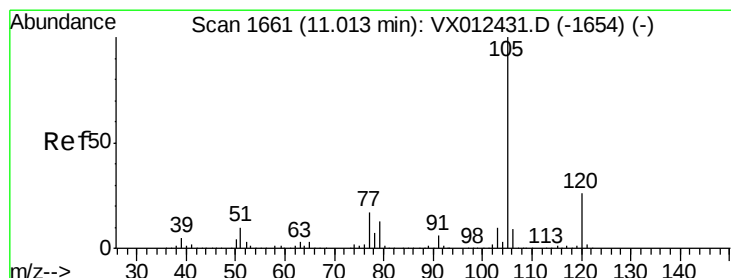
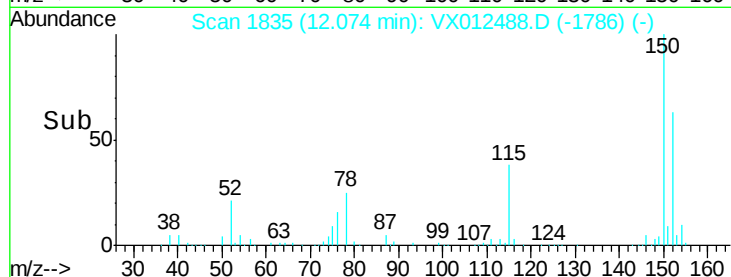
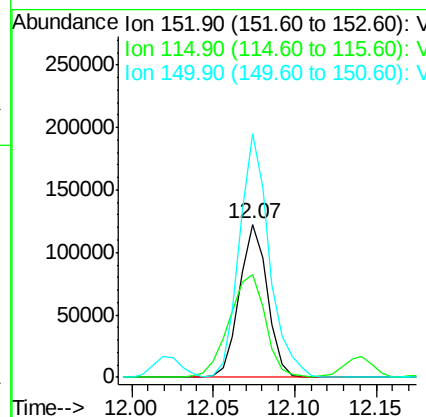
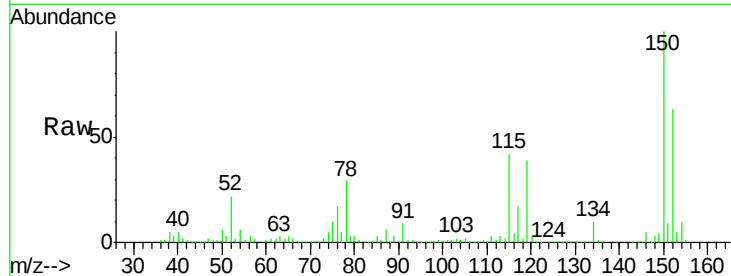
ClientSampleId :

S13-0282MSD

Tot Ion:	152	Resp:	145600
Ion Ratio	Lower	Upper	
152	100		
115	87.7	44.1	132.3
150	171.0	0.0	343.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 123.779 ug/l

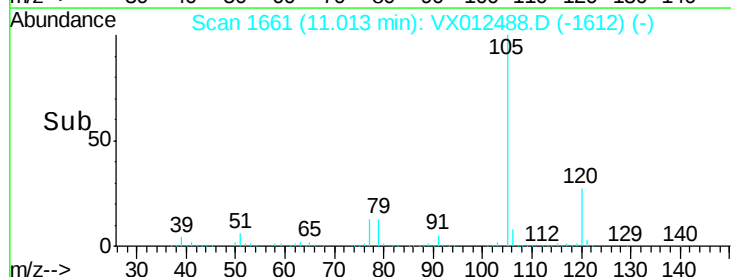
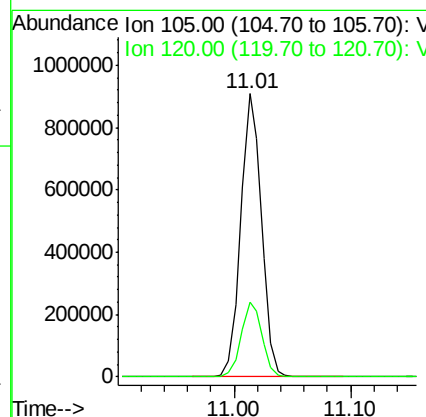
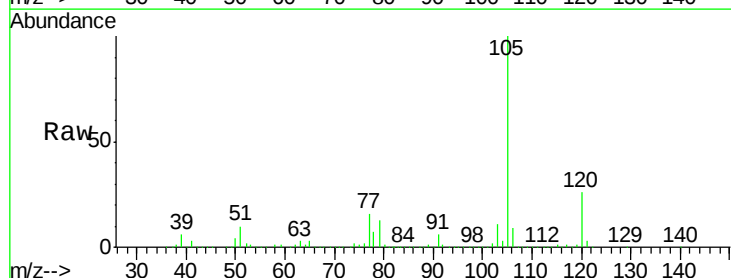
RT: 11.01 min Scan# 1661

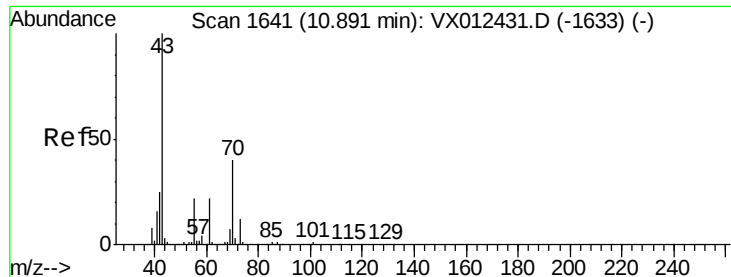
Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Tgt Ion:	105	Resp:	1130791
Ion Ratio	Lower	Upper	
105	100		
120	26.4	12.9	38.7





#74

N-amvl acetate

Concen: 47.998 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

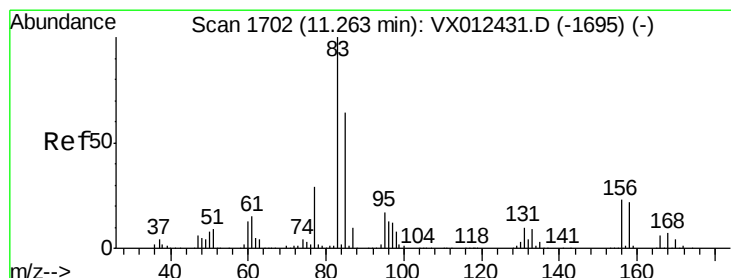
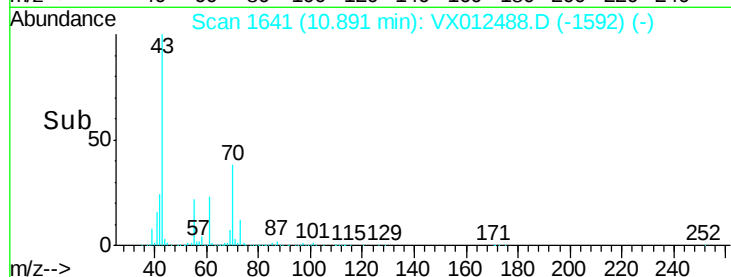
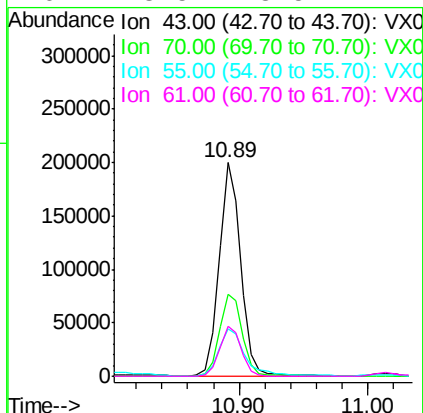
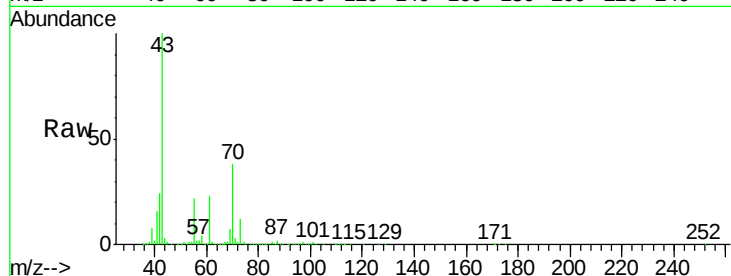
ClientSampleId :

S13-0282MSD

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	40.8	32.4	48.6	
55	25.8	18.2	27.4	
61	23.5	18.5	27.7	

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.777 ug/l

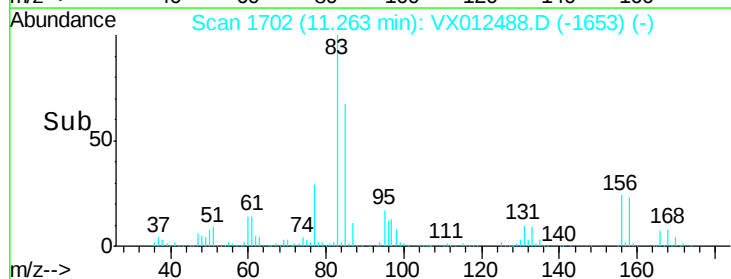
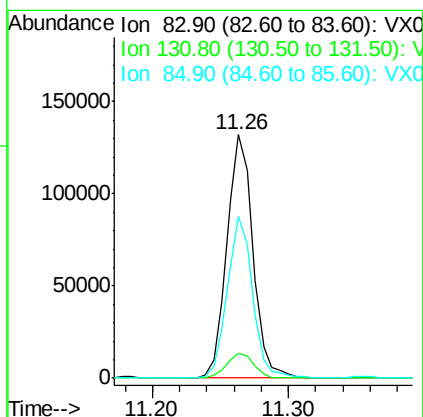
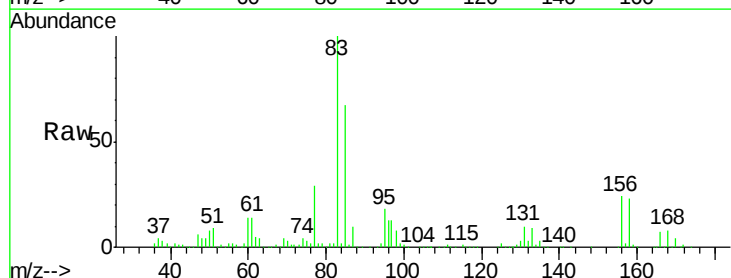
RT: 11.26 min Scan# 1702

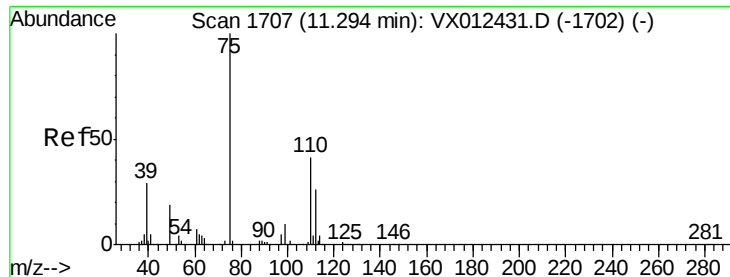
Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.5	5.2	15.6	
85	65.0	32.0	96.0	





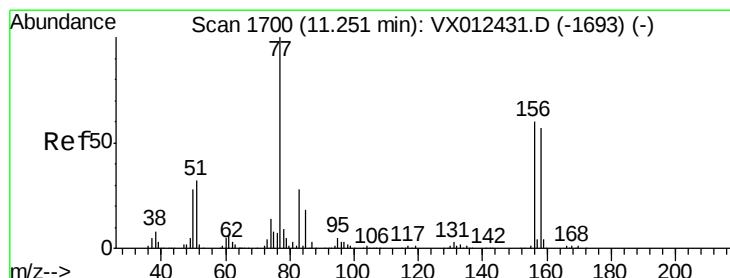
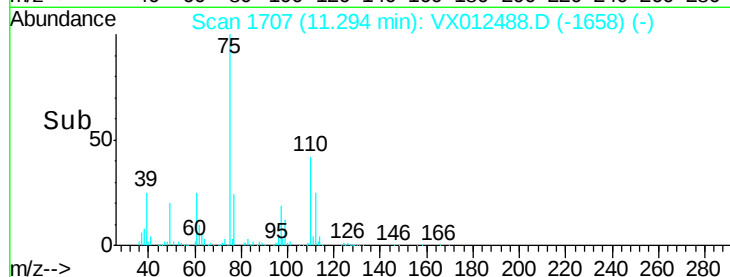
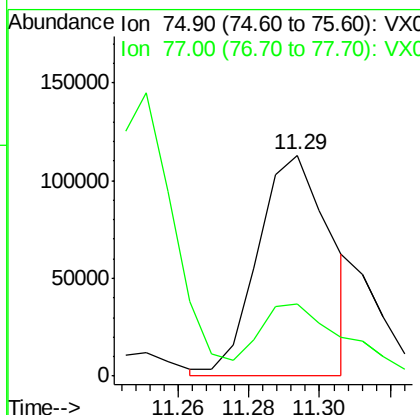
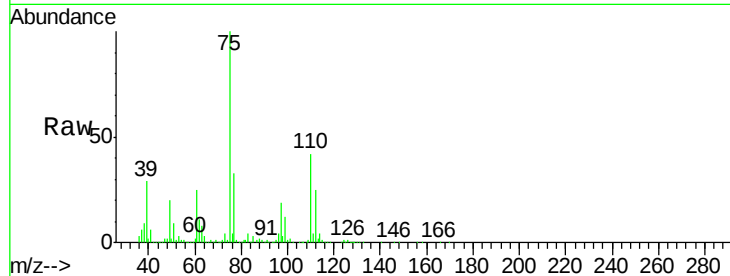
#76
 1,2,3-Trichloropropane
 Concen: 47.885 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion: 75 Resp: 160152
 Ion Ratio Lower Upper
 75 100
 77 38.8 19.7 59.0

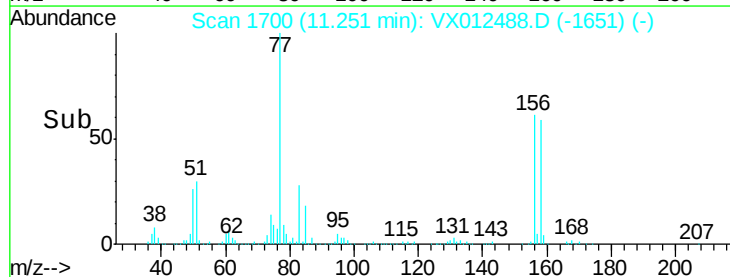
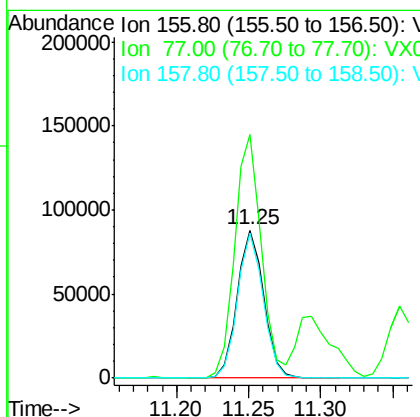
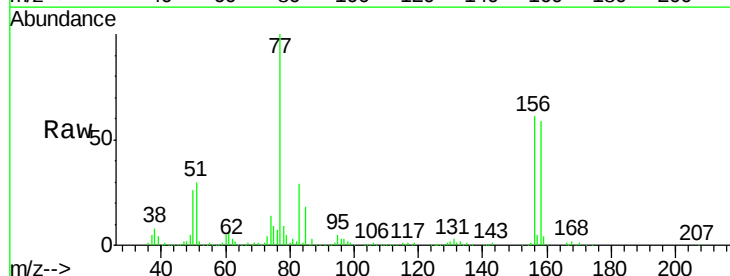
Manual Integrations
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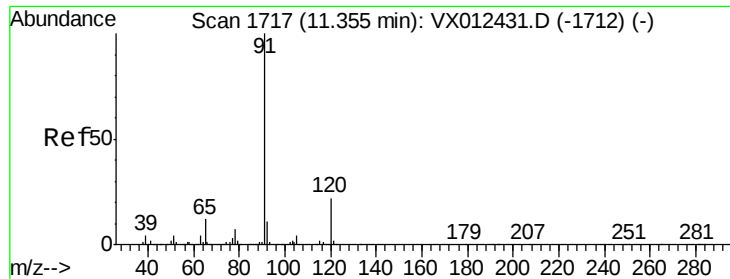
MMDadoda
 9/19/2019 1:06:00 PM



#77
 Bromobenzene
 Concen: 50.499 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion: 156 Resp: 112511
 Ion Ratio Lower Upper
 156 100
 77 165.9 87.3 261.8
 158 95.1 48.5 145.6





#78

n-propylbenzene

Concen: 123.213 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 91 Resp: 1254546

Ion Ratio Lower Upper

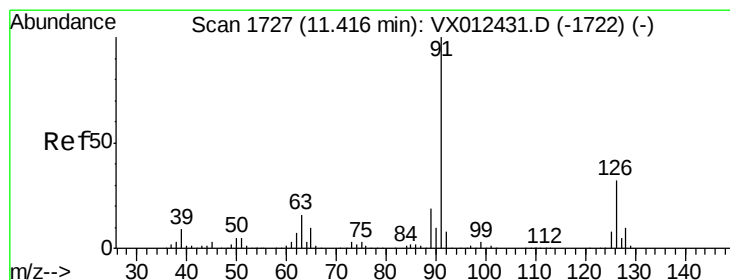
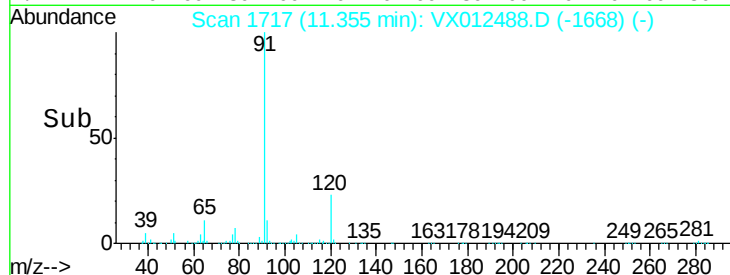
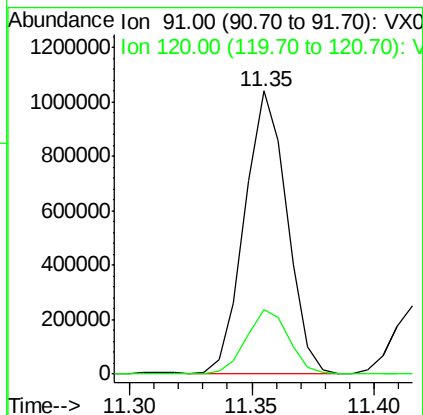
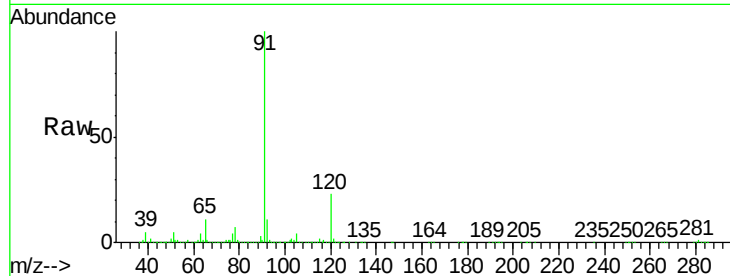
91 100

120 23.1 11.3 33.8

Manual Integrations
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#79

2-Chlorotoluene

Concen: 48.605 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012488.D

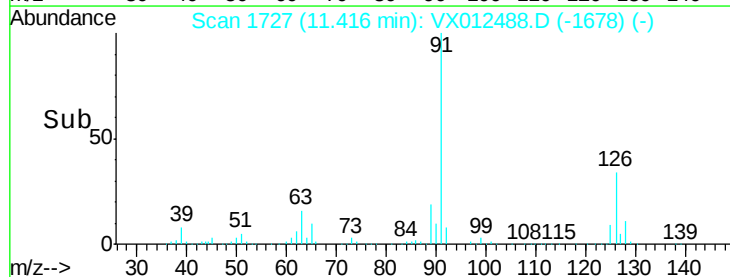
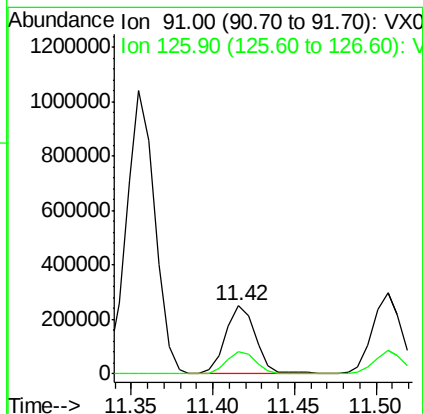
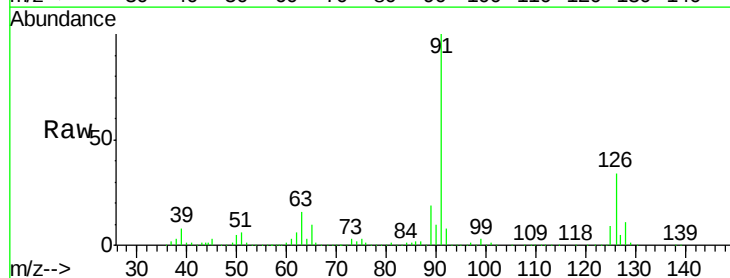
Acq: 18 Sep 2019 20:51

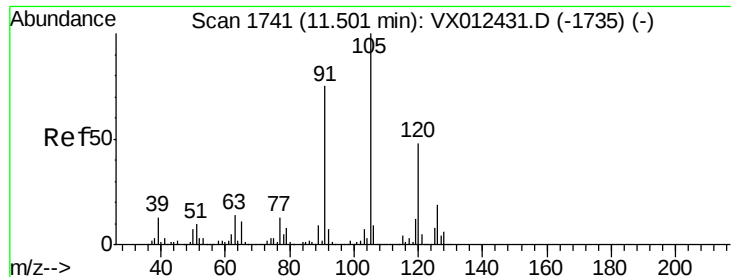
Tgt Ion: 91 Resp: 321955

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.4





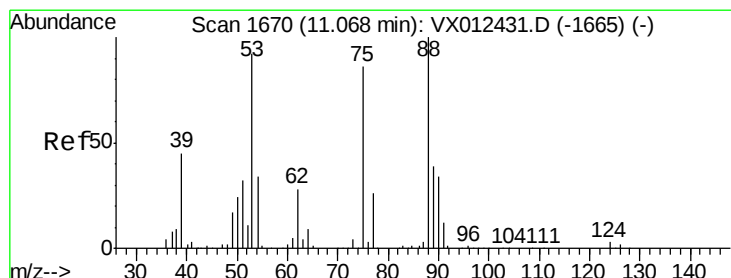
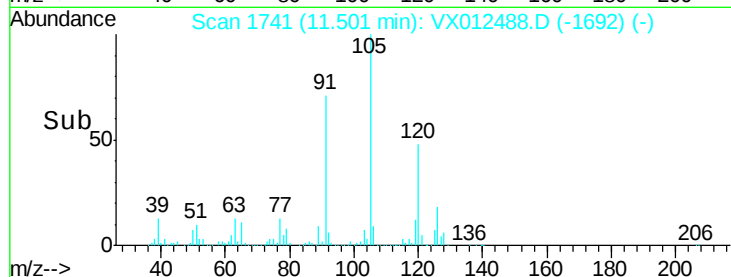
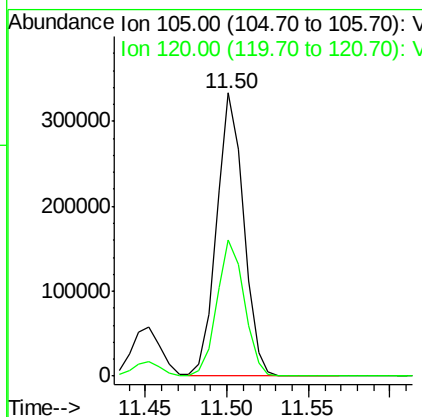
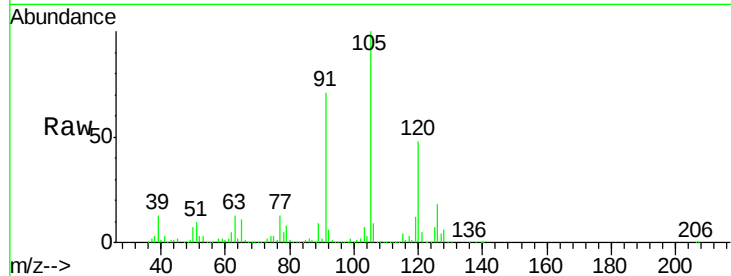
#80
 1,3,5-Trimethylbenzene
 Concen: 49.467 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	385402		
120	48.6	24.3	72.8	

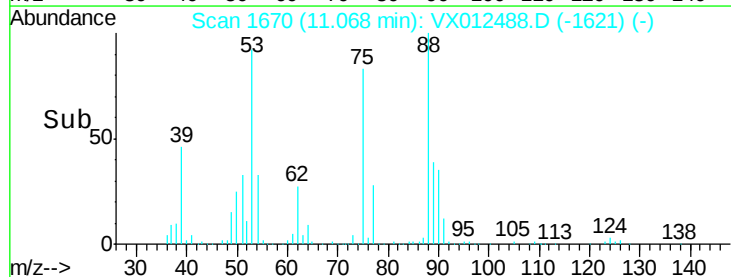
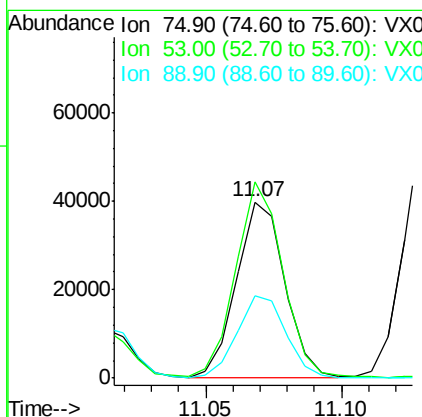
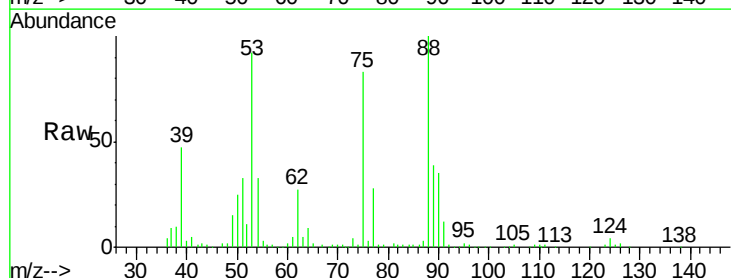
Manual Integrations
 APPROVED

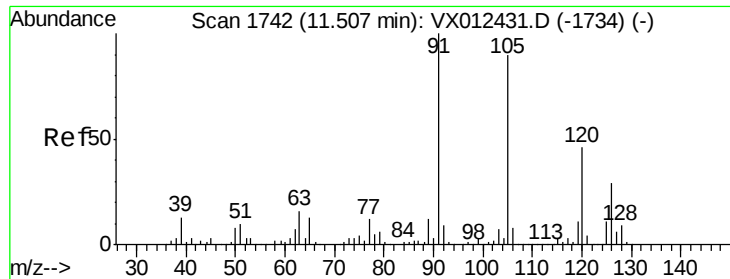
MMDadoda
 9/19/2019 1:06:00 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.784 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48944		
53	108.2	83.6	125.4	
89	47.4	36.3	54.5	





#82

4-Chlorotoluene

Concen: 48.317 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 91 Resp: 367322

Ion Ratio Lower Upper

91 100

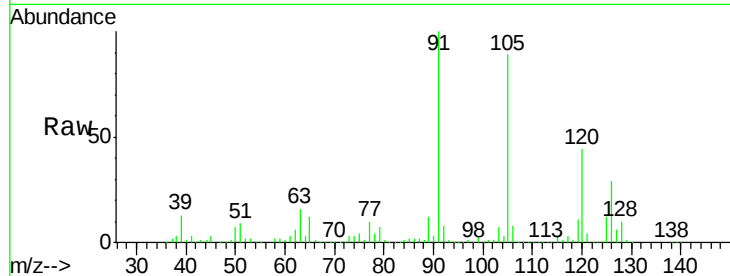
126 28.4 14.4 43.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.51

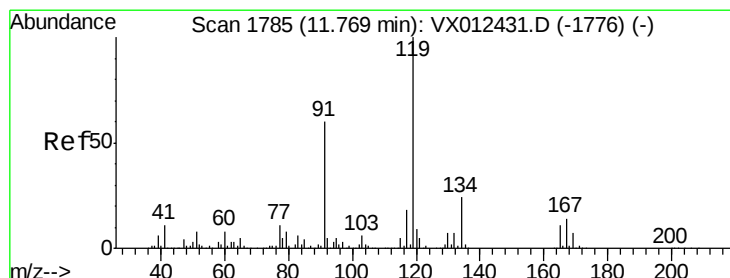
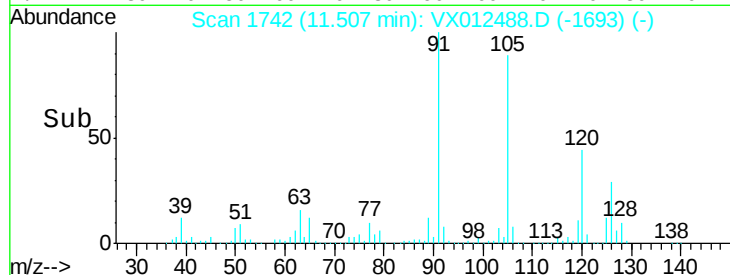
300000

200000

100000

0

Time-->



#83

tert-Butylbenzene

Concen: 50.624 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

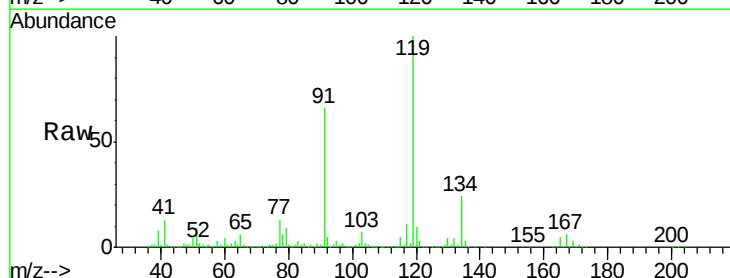
Tgt Ion: 119 Resp: 422635

Ion Ratio Lower Upper

119 100

91 58.9 30.0 90.0

134 23.2 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

11.76

400000

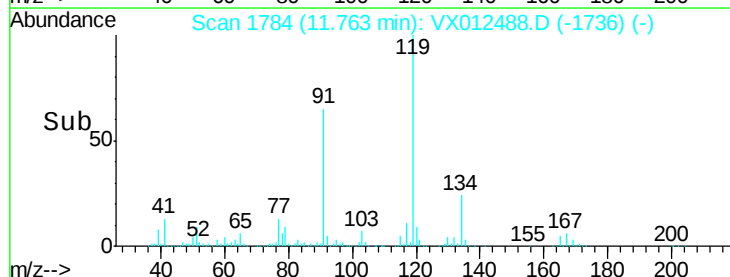
300000

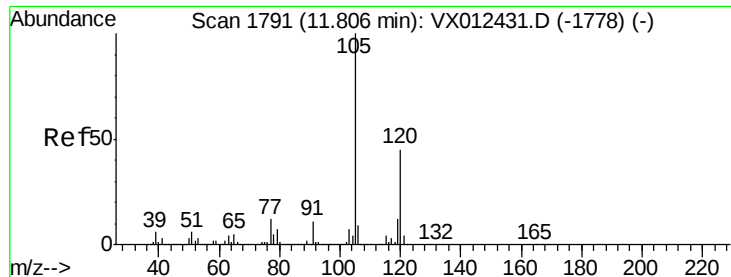
200000

100000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 267.098 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion:105 Resp: 2136710

Ion Ratio Lower Upper

105 100

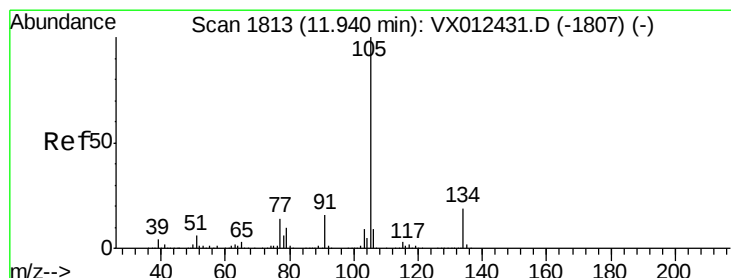
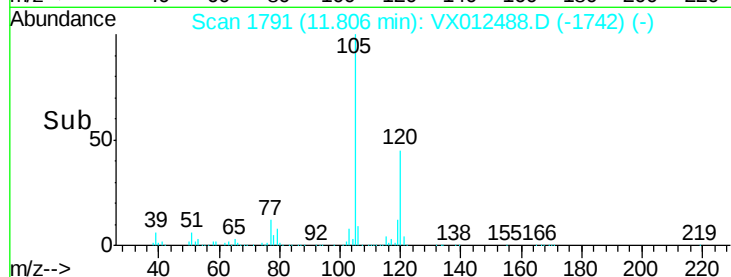
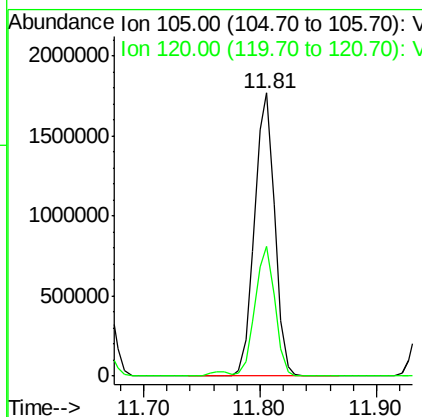
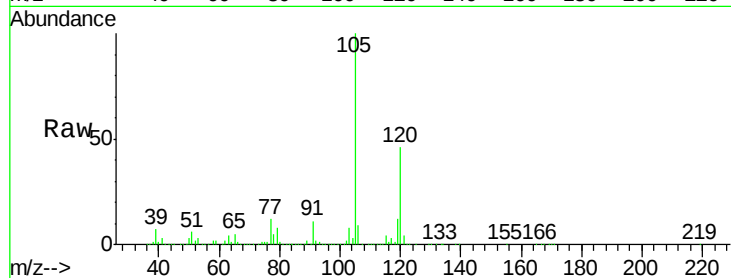
120 45.5 22.2 66.6

Manual Integrations

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#85

sec-Butylbenzene

Concen: 63.415 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012488.D

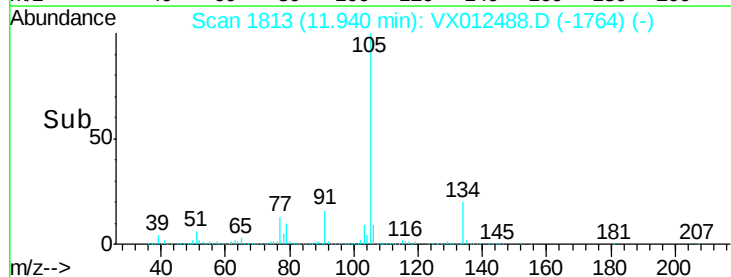
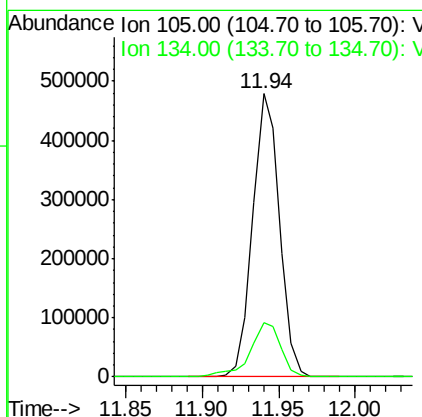
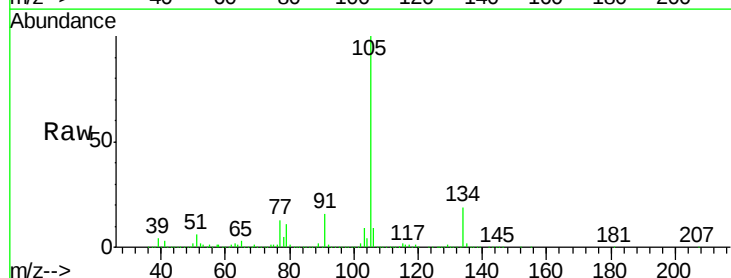
Acq: 18 Sep 2019 20:51

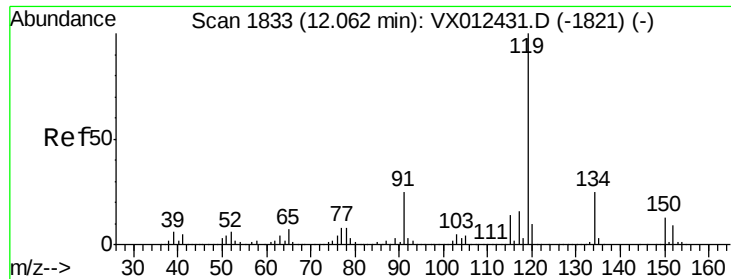
Tgt Ion:105 Resp: 583382

Ion Ratio Lower Upper

105 100

134 21.8 9.8 29.4





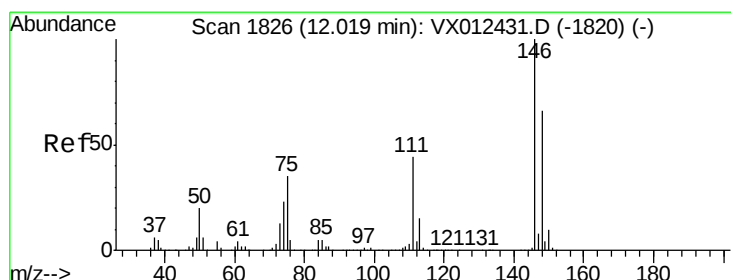
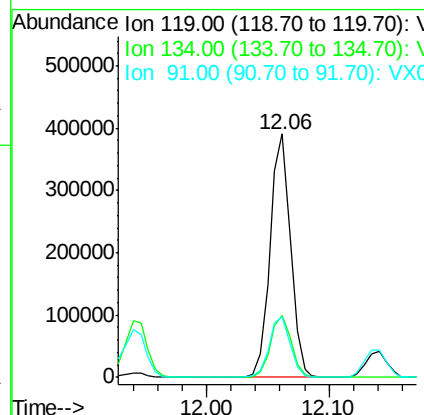
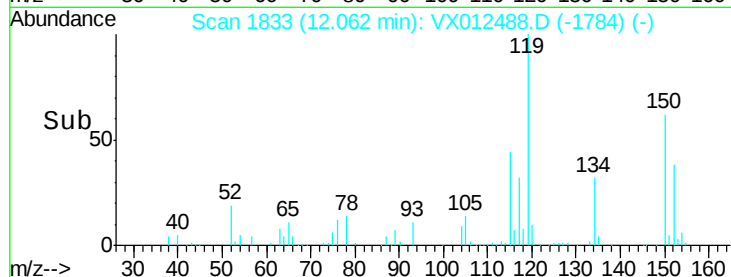
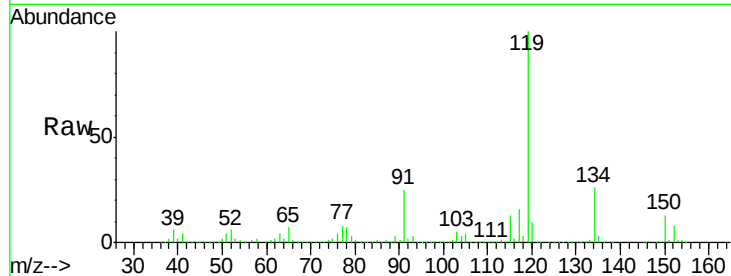
#86
p-Isopropyltoluene
Concen: 53.904 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampled :
S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	455350		
134	25.9	12.7	38.1	
91	25.3	12.8	38.4	

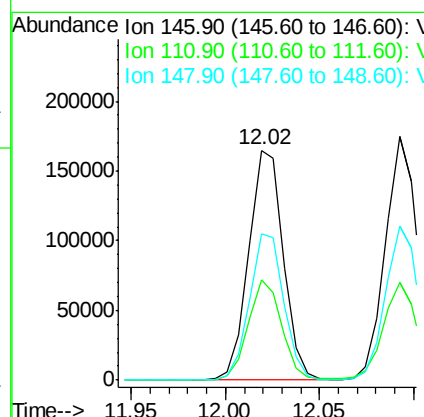
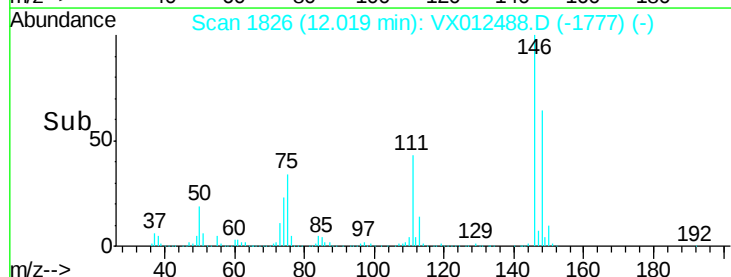
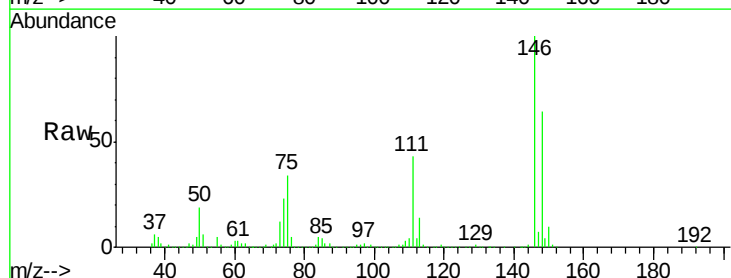
Manual Integrations
APPROVED

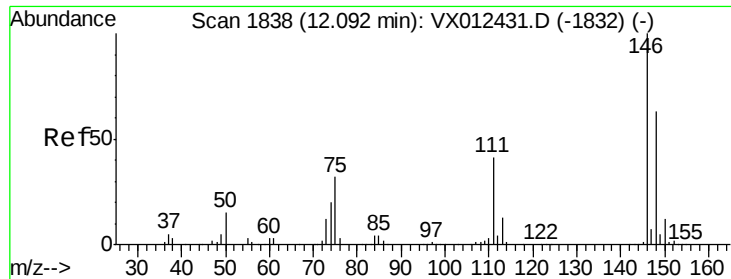
MMDadoda
9/19/2019 1:06:00 PM



#87
1,3-Dichlorobenzene
Concen: 49.947 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	209330		
111	41.7	21.3	64.0	
148	63.2	32.4	97.2	





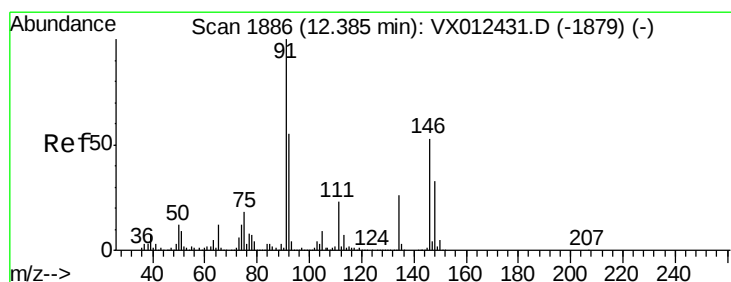
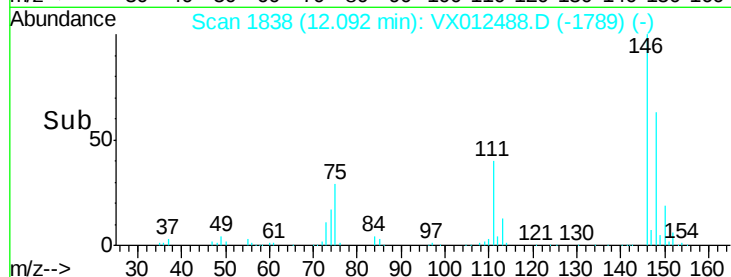
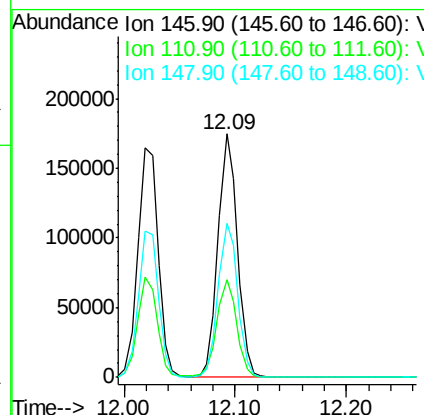
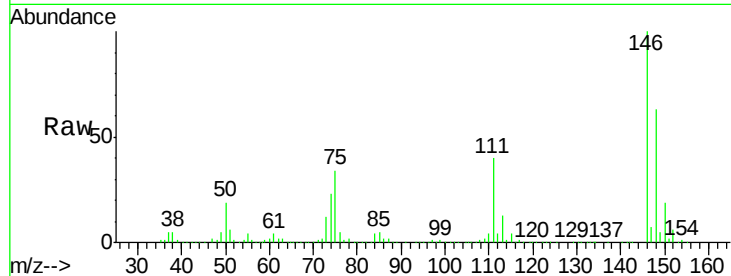
#88
 1,4-Dichlorobenzene
 Concen: 49.153 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	211608		
111	41.1	21.1	63.3	
148	63.9	32.1	96.5	

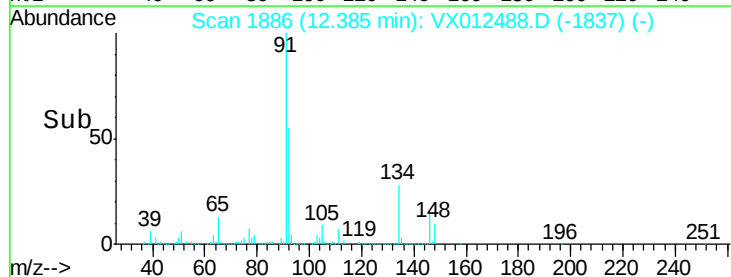
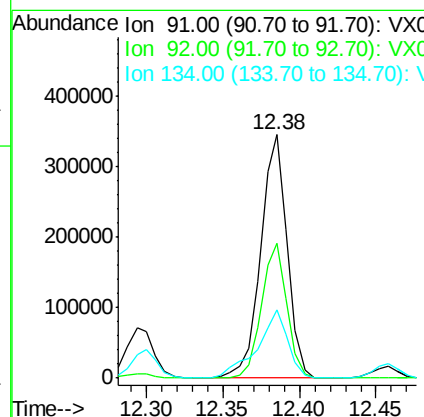
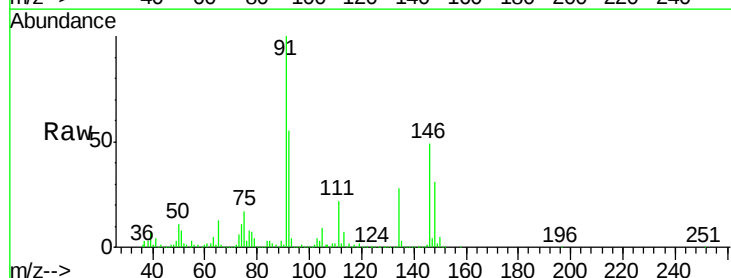
Manual Integrations
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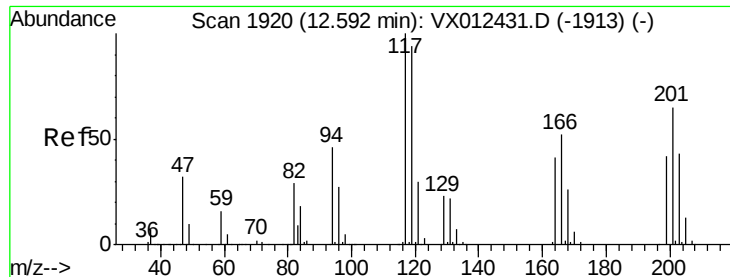
MMDadoda
 9/19/2019 1:06:00 PM



#89
 n-Butylbenzene
 Concen: 55.175 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	415864		
92	53.2	27.7	83.0	
134	32.8	12.9	38.6	





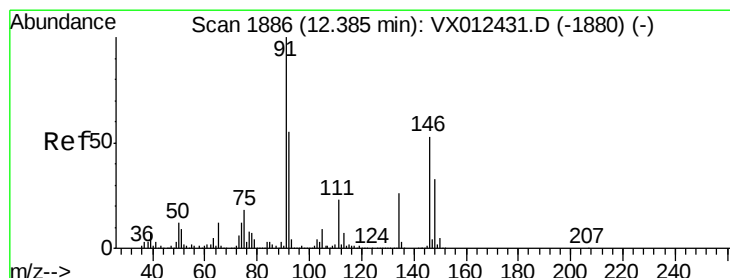
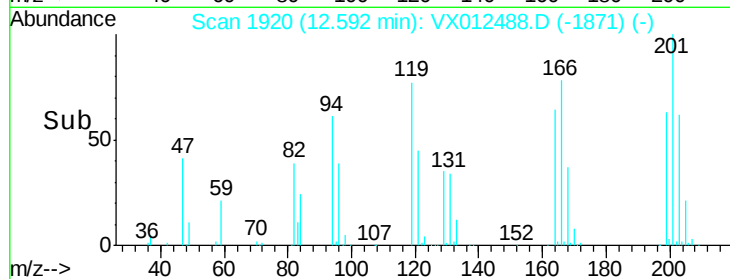
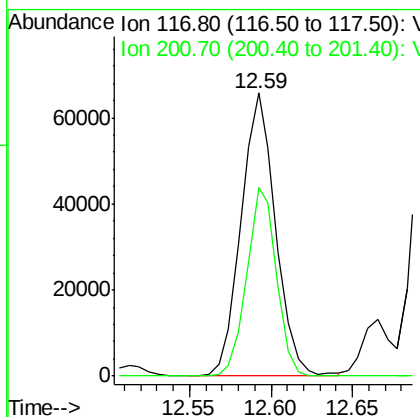
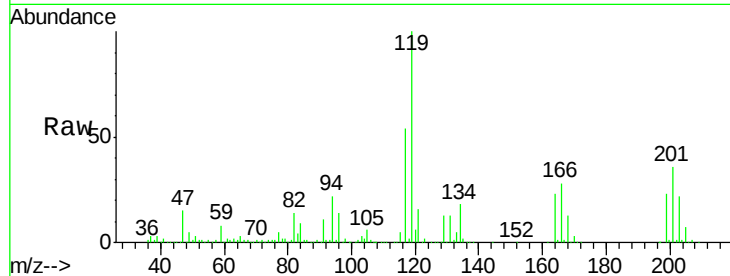
#90
Hexachloroethane
Concen: 62.187 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	96323		
201	57.5	33.3	99.8	

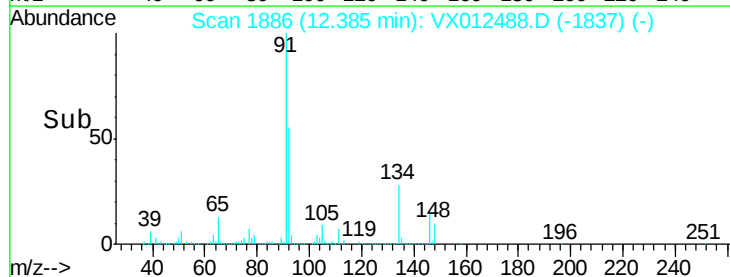
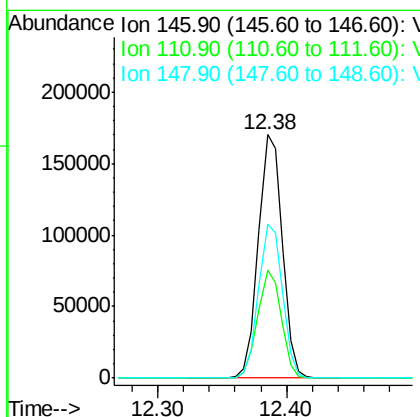
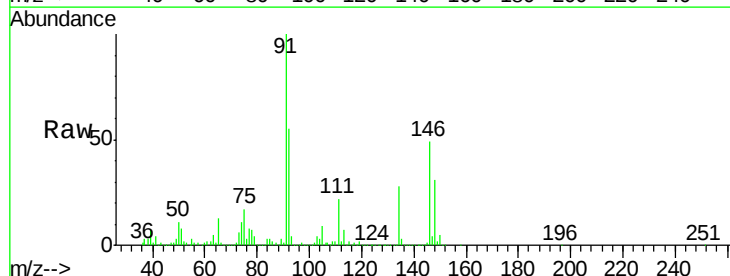
Manual Integrations
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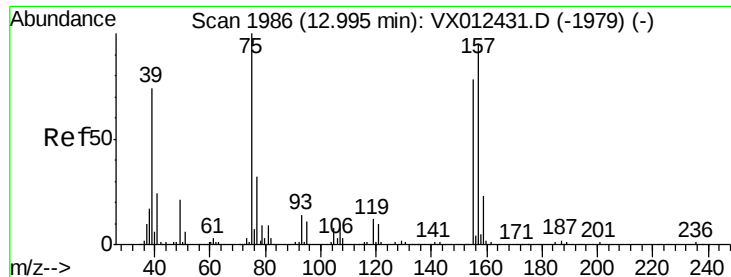
MMDadoda
9/19/2019 1:06:00 PM



#91
1,2-Dichlorobenzene
Concen: 49.639 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	217439		
111	43.5	22.1	66.1	
148	63.4	31.3	93.9	





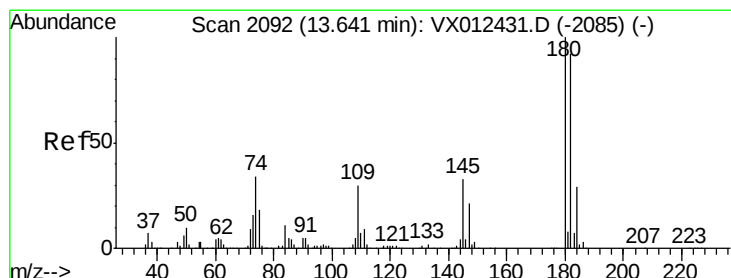
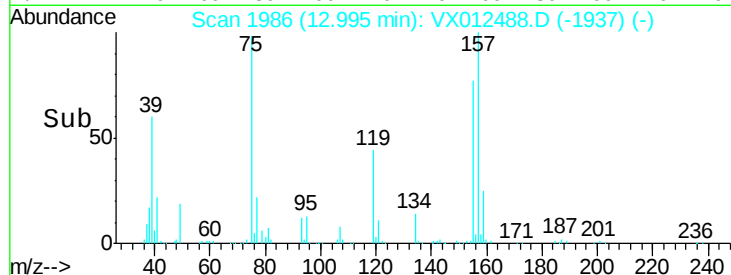
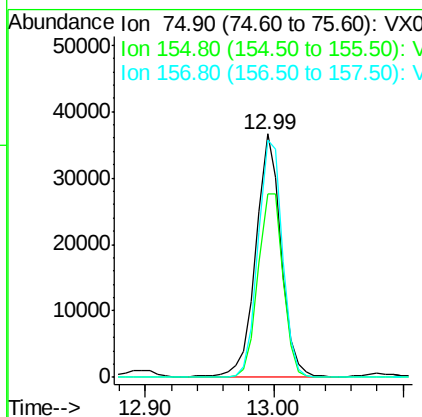
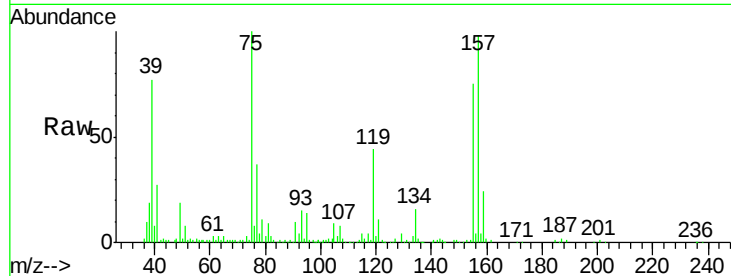
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.275 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	74.2	38.6	115.8
157	93.0	50.6	151.9

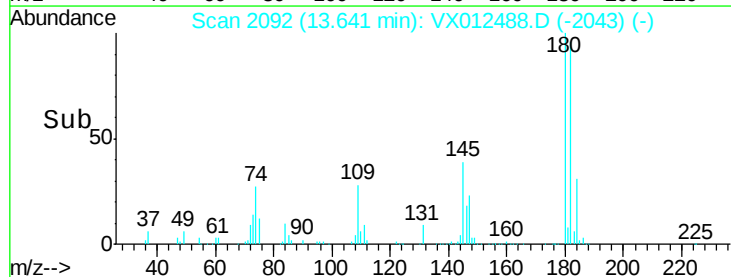
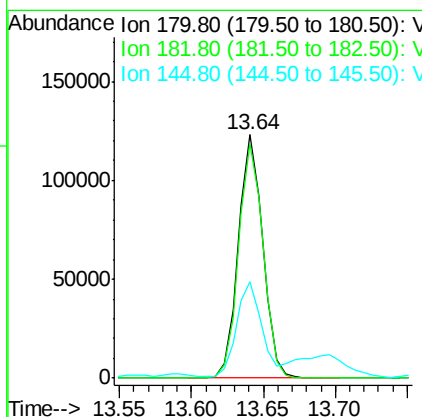
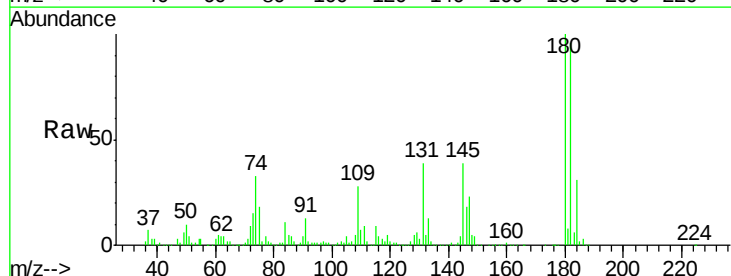
Manual Integrations
 APPROVED

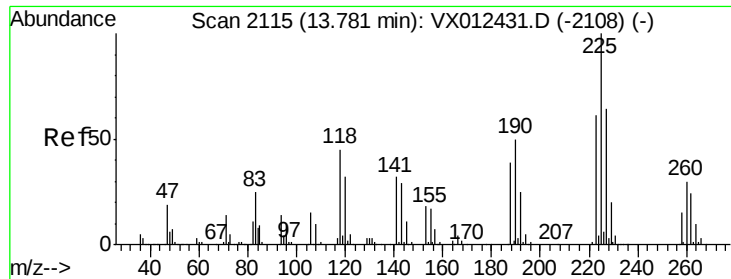
MMDadoda
 9/19/2019 1:06:00 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.493 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.0	141.0
145	42.6	16.8	50.4





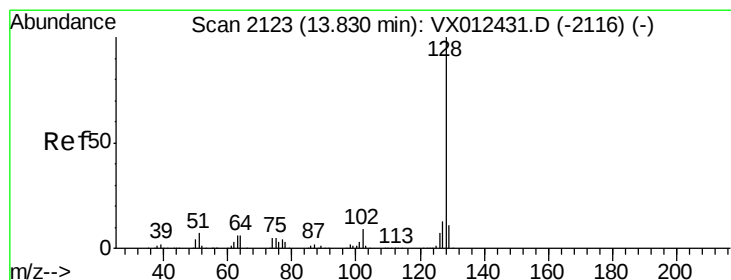
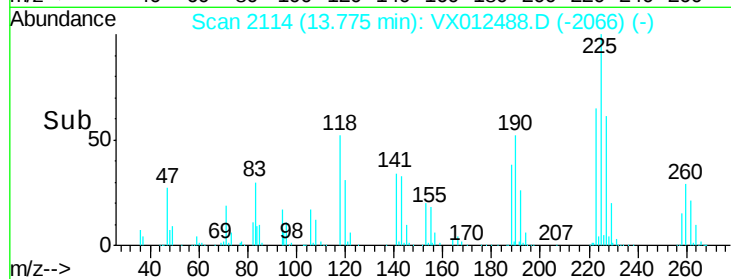
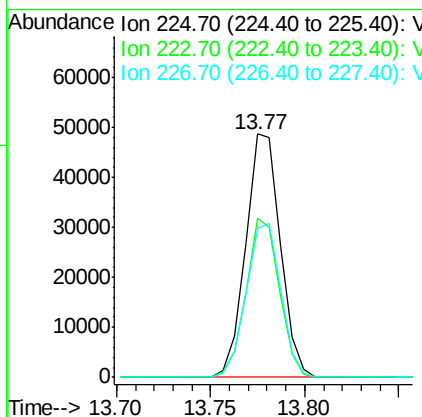
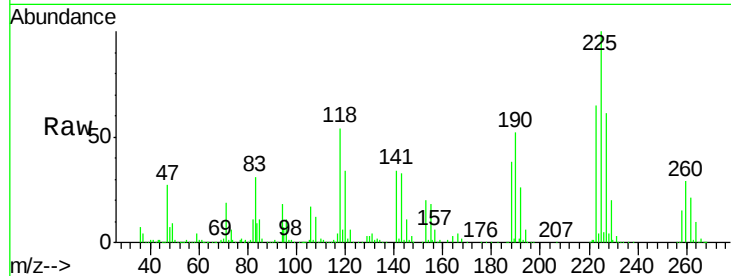
#94
Hexachlorobutadiene
Concen: 46.558 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. -0.01 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Resp Lower	Upper
225	100		
223	63.3	32.0	96.2
227	63.2	31.9	95.5

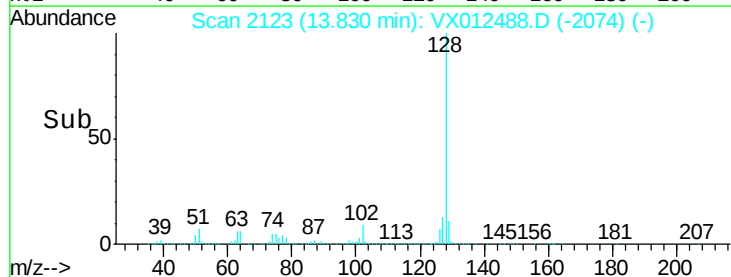
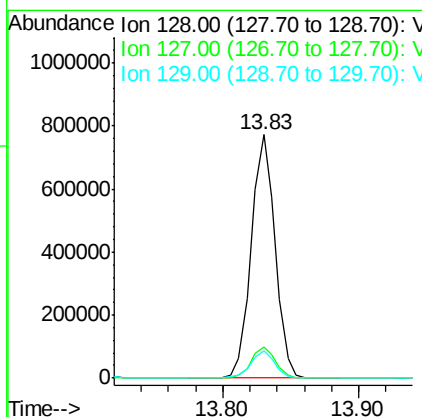
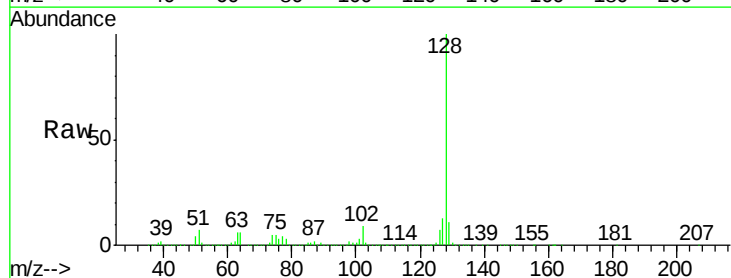
Manual Integrations
APPROVED

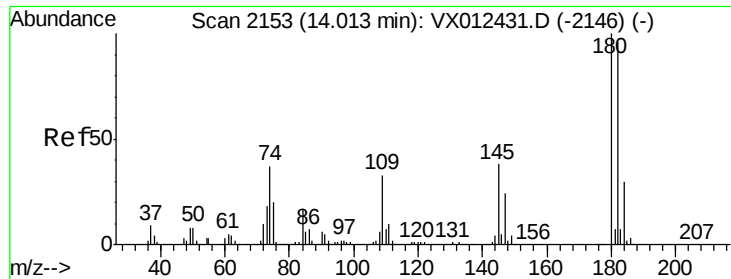
MMDadoda
9/19/2019 1:06:00 PM



#95
Naphthalene
Concen: 95.011 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.5	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 52.380 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.9	47.1	141.3
145	41.3	18.0	54.0

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:06:00 PM

