

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
 Data File : VL042321.D
 Acq On : 11 Apr 2025 15:36
 Operator : SY/MD
 Sample : Q1665-18
 Misc : 400mL/MSVOA_L
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-3-3242025

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 3

Min Area: 3 % of largest Peak

Start Thrs: 0.001

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 0

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Signal : TIC: VL042321.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.431	410	415	420	rBV	4517017	5153864	100.00%	18.717%
2	1.466	423	426	428	rVV	312649	159503	3.09%	0.579%
3	1.486	428	432	438	rVB2	749422	405028	7.86%	1.471%
4	1.557	450	454	461	rBV	697970	378399	7.34%	1.374%
5	1.622	470	474	478	rVB	152301	85941	1.67%	0.312%
6	1.722	500	505	518	rBV	4849867	3440613	66.76%	12.495%
7	1.832	535	539	549	rBV	5743431	4524378	87.79%	16.431%
8	1.887	551	556	568	rVB	2999529	2140699	41.54%	7.774%
9	2.557	757	763	774	rBV	1249370	1168551	22.67%	4.244%
10	2.787	826	834	840	rBV	665833	681609	13.23%	2.475%
11	2.829	840	847	862	rVB4	386924	723248	14.03%	2.627%
12	3.658	1092	1103	1108	rBV3	52362	79481	1.54%	0.289%
13	3.690	1108	1113	1129	rVB2	137575	209630	4.07%	0.761%
14	3.959	1183	1196	1210	rBV	802244	1219447	23.66%	4.429%
15	5.765	1741	1754	1769	rBV3	24314	64903	1.26%	0.236%
16	6.933	2102	2115	2128	rBV2	40994	90852	1.76%	0.330%
17	7.694	2337	2350	2359	rBV4	42230	76460	1.48%	0.278%
18	8.267	2516	2527	2536	rBV3	66192	104592	2.03%	0.380%
19	8.882	2703	2717	2728	rBV	979887	1401276	27.19%	5.089%
20	9.153	2790	2801	2813	rBV2	122986	188629	3.66%	0.685%
21	9.632	2940	2949	2960	rBV2	44595	68239	1.32%	0.248%
22	9.946	3034	3046	3053	rBV6	71633	130873	2.54%	0.475%
23	10.377	3163	3179	3188	rBV	1287388	1451377	28.16%	5.271%
24	10.807	3305	3312	3321	rBV3	46584	56863	1.10%	0.207%
25	11.426	3490	3503	3513	rBV3	115794	147995	2.87%	0.537%
26	11.536	3527	3537	3549	rVB6	47089	90827	1.76%	0.330%
27	12.044	3684	3694	3703	rBV	2571263	2526939	49.03%	9.177%
28	12.442	3801	3817	3824	rBV8	25442	58837	1.14%	0.214%
29	13.387	4100	4109	4118	rBV2	766919	706774	13.71%	2.567%

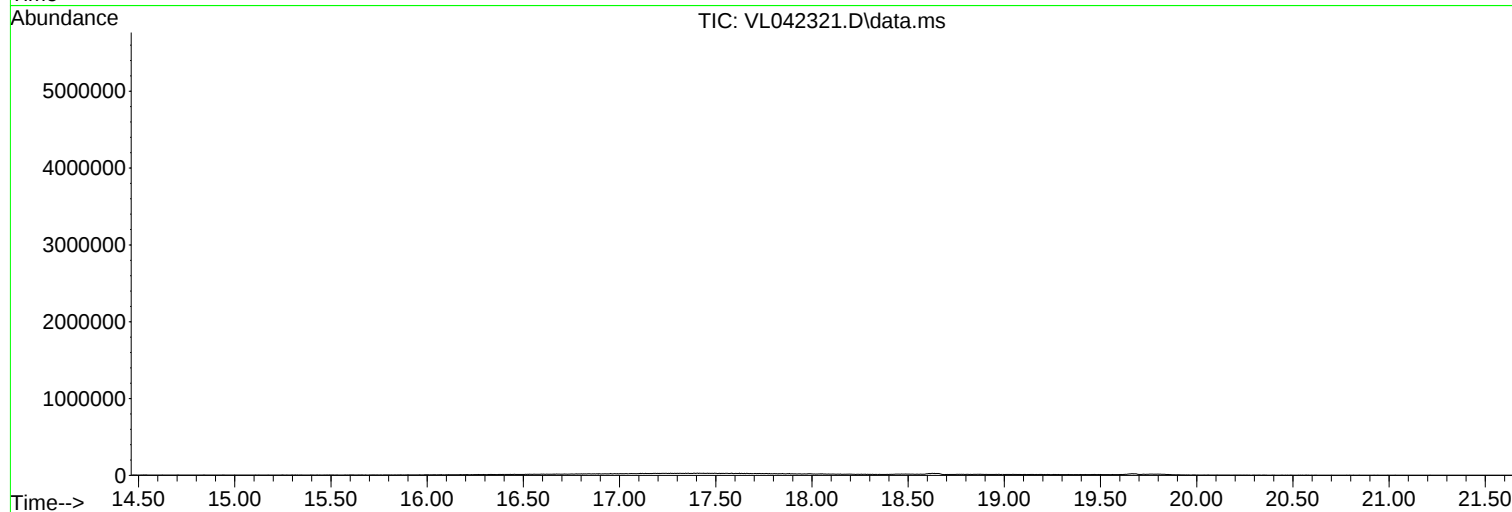
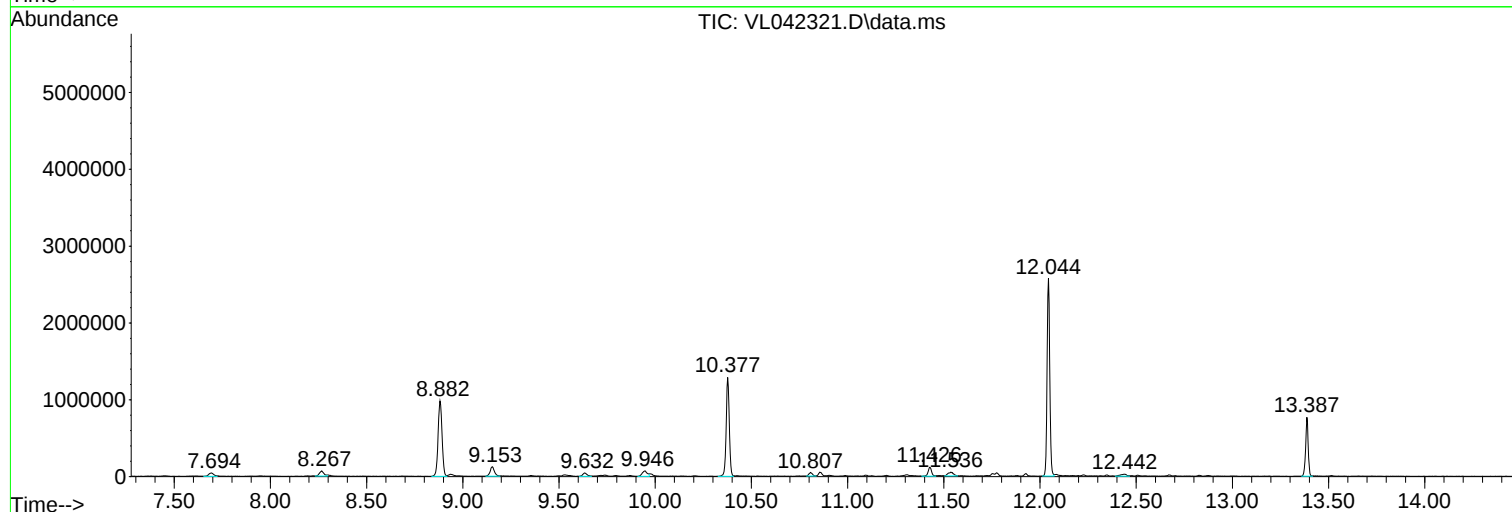
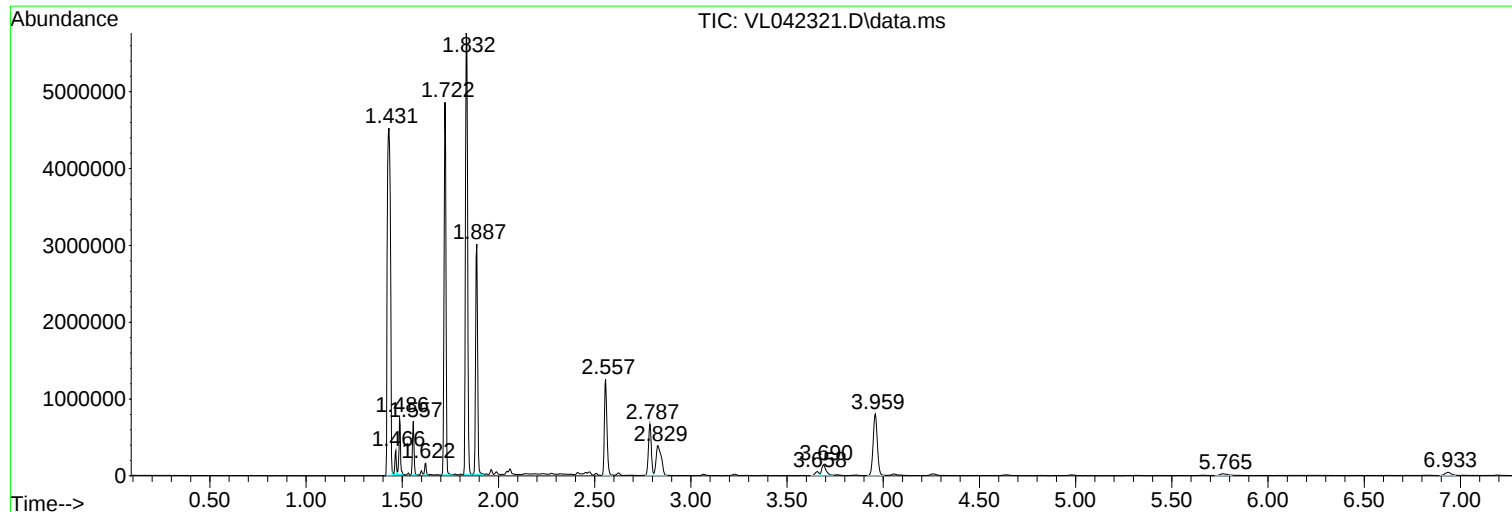
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IA-B10-3-3242025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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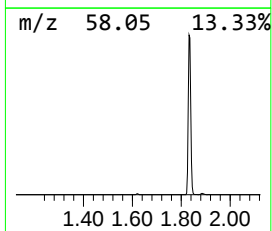
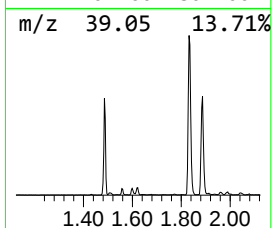
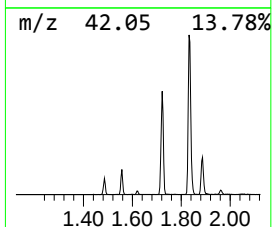
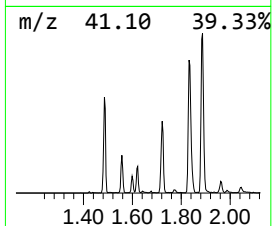
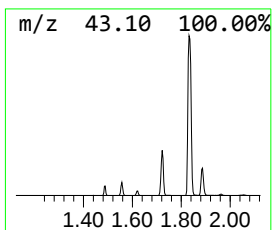
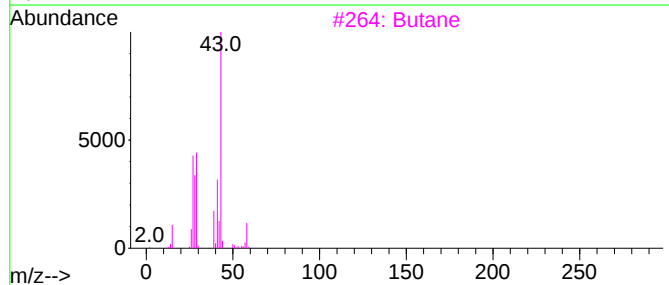
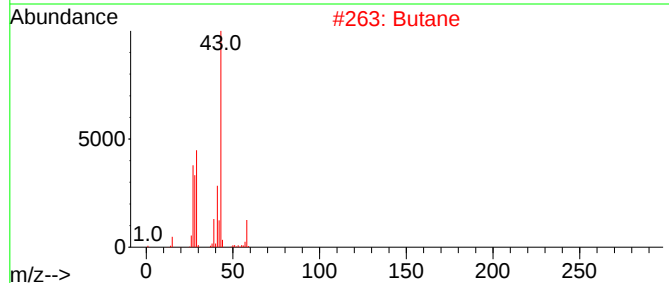
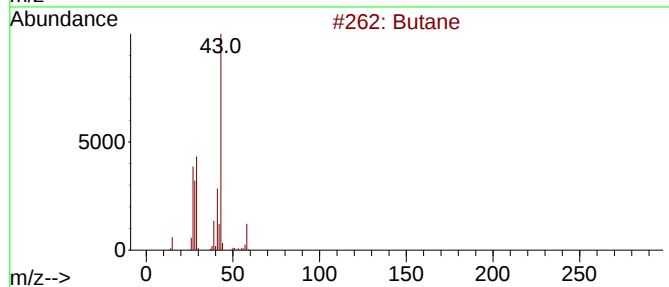
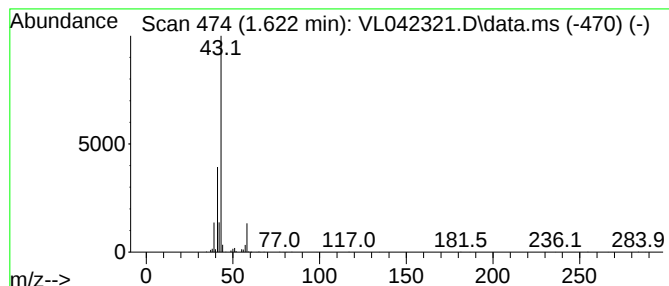
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.622	1.26 ppbv	85941	Bromochloromethane	2.787

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane			58	C4H10	000106-97-8	72
2	Butane			58	C4H10	000106-97-8	72
3	Butane			58	C4H10	000106-97-8	64
4	Butane			58	C4H10	000106-97-8	59
5	Diazene, dimethyl-			58	C2H6N2	000503-28-6	4



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Misc : 400mL/MSVOA_L
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

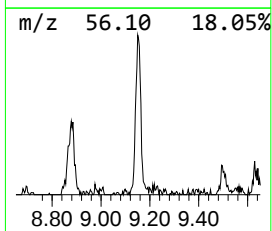
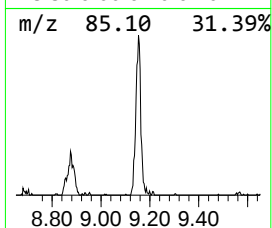
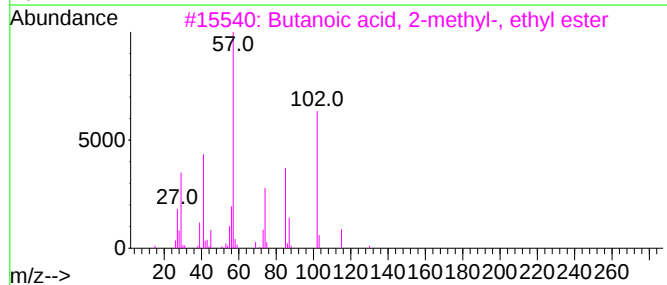
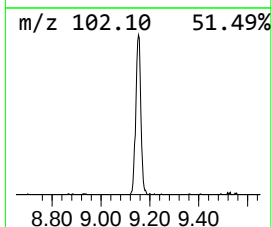
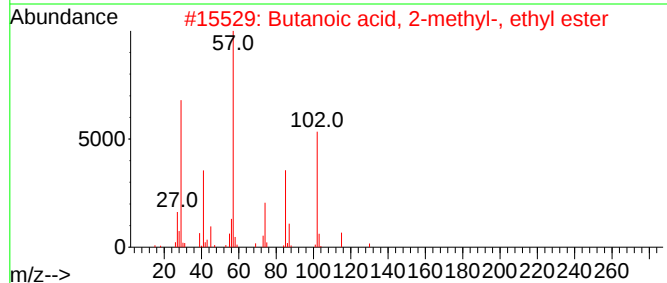
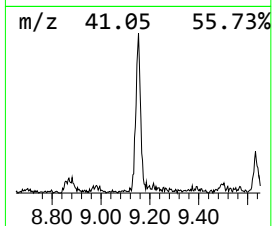
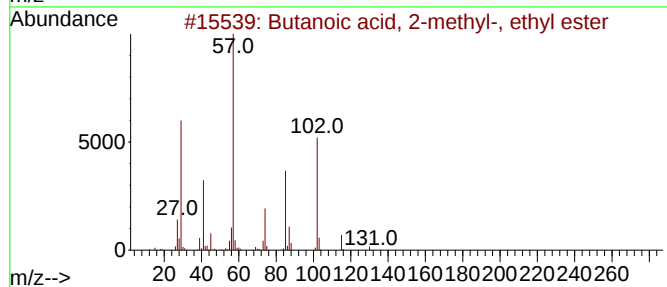
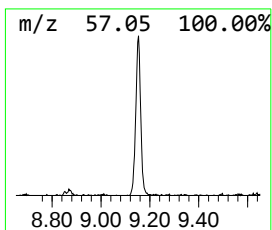
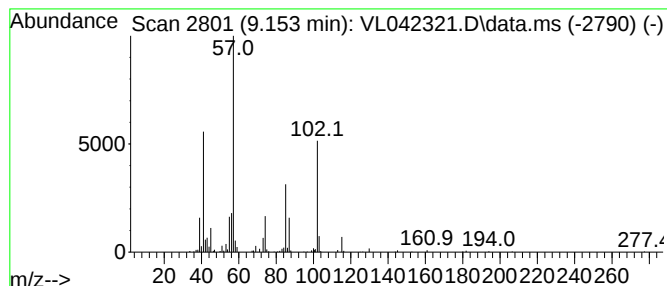
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Butanoic acid, 2-methyl-, e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.153	1.35 ppbv	188629	Chlorobenzene-d5	8.882

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	91
2			Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	91
3			Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	72
4			Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	64
5			Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	49



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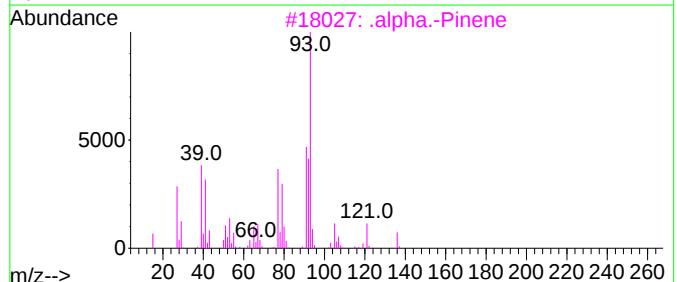
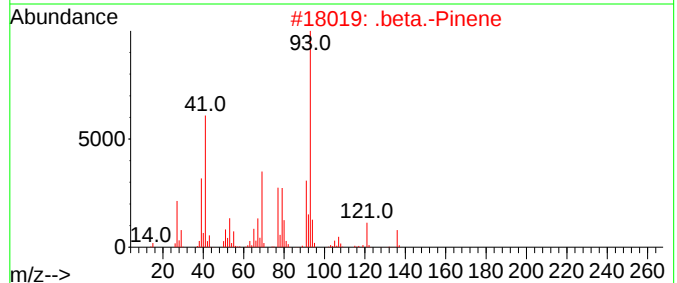
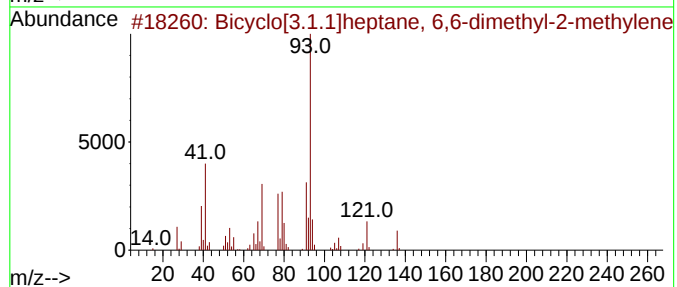
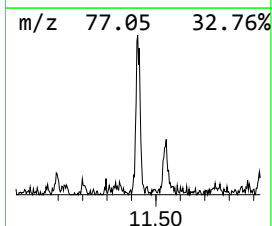
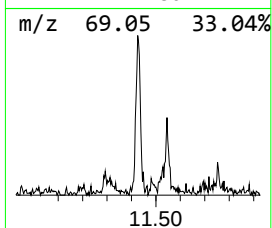
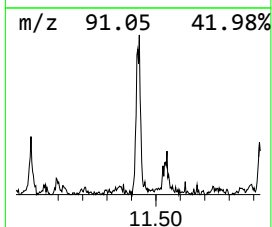
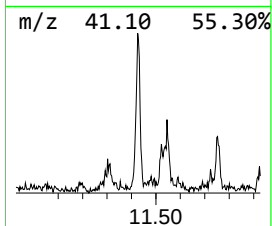
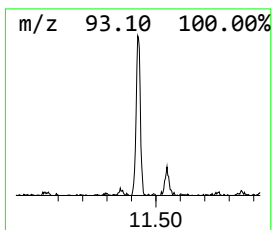
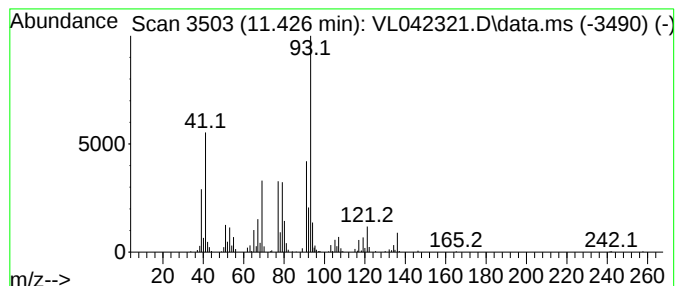
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.426	1.06 ppbv	147995	Chlorobenzene-d5			8.882
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 6,6-dimet...		136	C10H16	018172-67-3	94
2	.beta.-Pinene		136	C10H16	000127-91-3	93
3	.alpha.-Pinene		136	C10H16	000080-56-8	91
4	.beta.-Pinene		136	C10H16	000127-91-3	90
5	(+) -3-Carene		136	C10H16	000498-15-7	87



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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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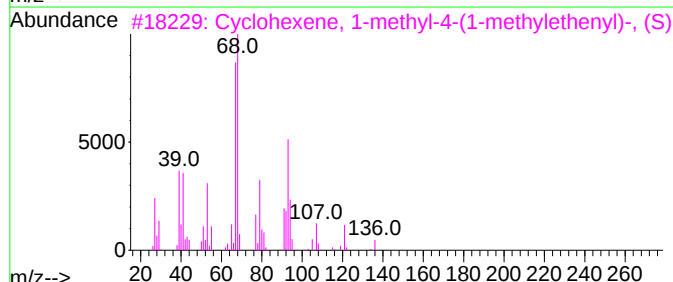
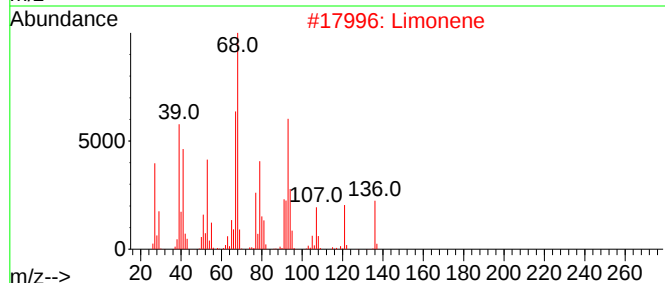
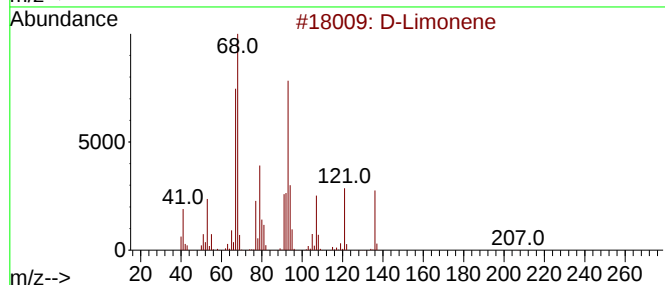
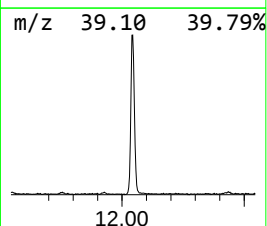
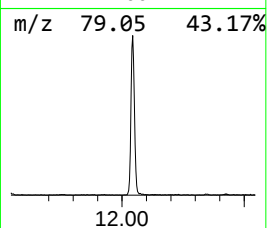
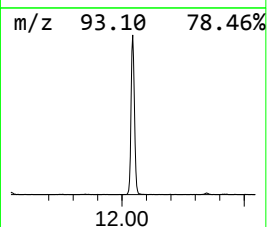
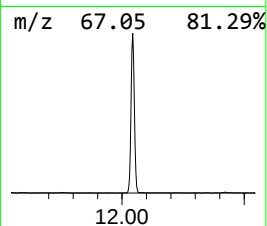
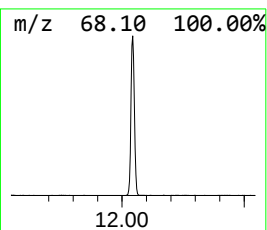
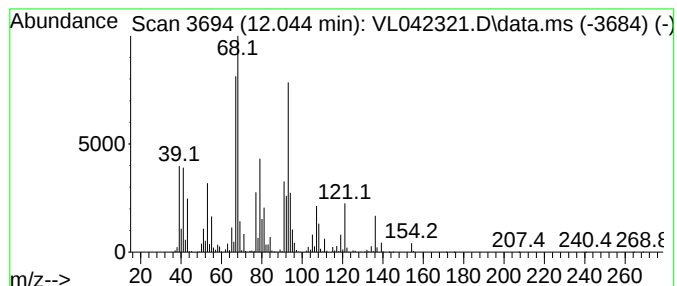
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TIC Library : C:\Database\NIST20.L
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Peak Number 4 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.044	18.03 ppbv	2526940	Chlorobenzene-d5	8.882

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Limonene	136	C10H16	005989-27-5	97
2			Limonene	136	C10H16	000138-86-3	94
3			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	91
4			Limonene	136	C10H16	000138-86-3	89
5			Limonene	136	C10H16	000138-86-3	81



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TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane	1.622	1.3	ppbv	85941	1	2.787	681609	10.0
Butanoic acid, ...	9.153	1.4	ppbv	188629	3	8.882	1401280	10.0
Bicyclo[3.1.1]h...	11.426	1.1	ppbv	147995	3	8.882	1401280	10.0
D-Limonene	12.044	18.0	ppbv	2526940	3	8.882	1401280	10.0